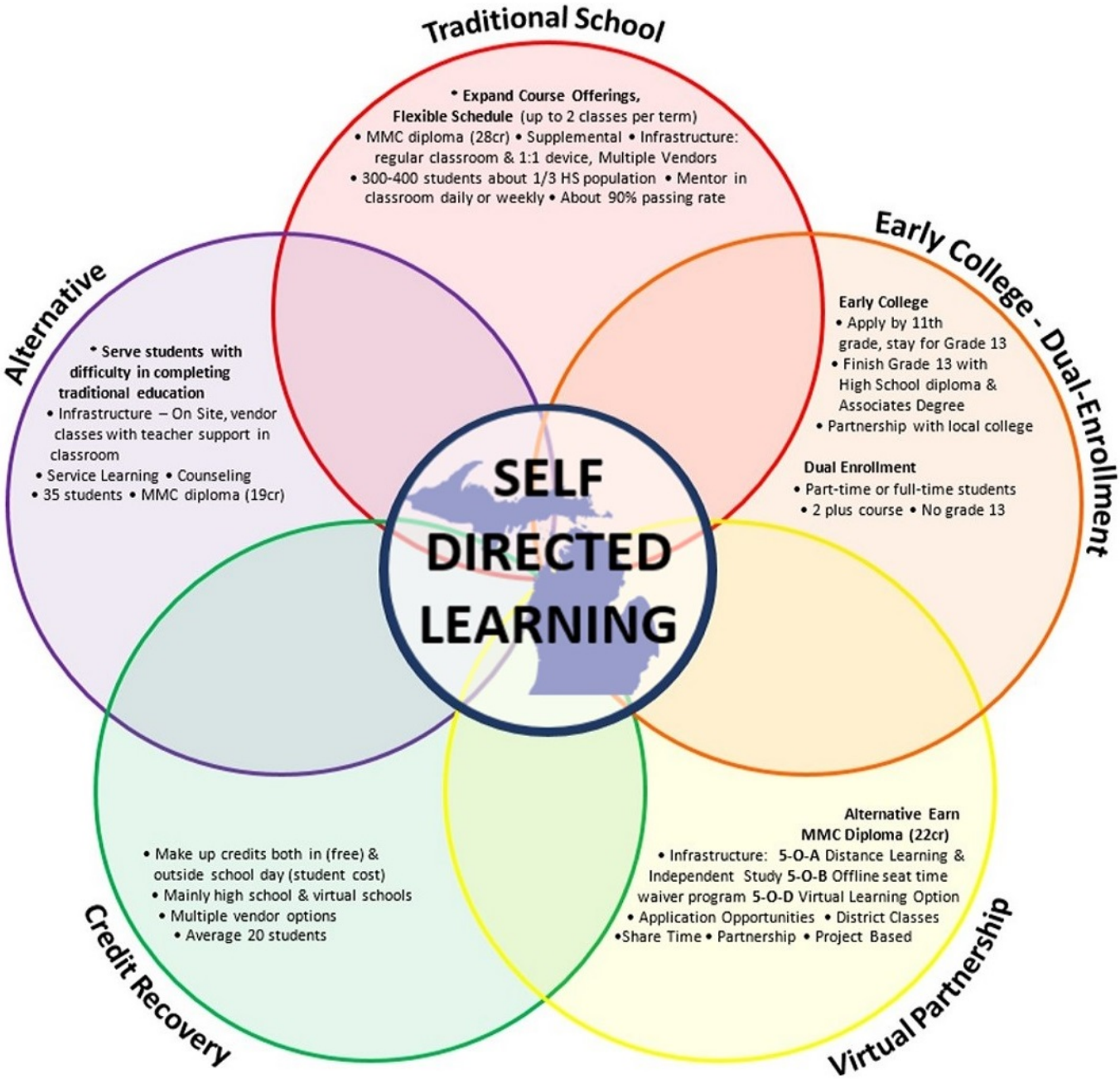
2020-2021
Gull Lake Virtual Partnership
Course Catalog

Updated: June 10, 2020

Innovative Programs

Full Spectrum Overview



LEARNING AT GULL LAKE HAS NEVER BEEN SO EXCITING!

Light your mind on fire

We introduce this catalog with excitement and pride… Although we have always offered everything to all Gull Lake students, we hope that this catalog helps to make all courses more convenient and easier to understand.

The Innovative Programs have flourished at Gull Lake and continue to grow. Each year we try to add more new and exciting opportunities to help students ignite and personalize learning. All courses in this catalog are taught by highly qualified certified teaching staff which lead each class according to need and requirements.

GLVP is a Partnership, including community, business leaders, parents, educators, children and families. We encourage and help facilitate cooperative partnerships.

All courses in this catalog have been approved by the Gull Lake Community Schools Board of Education, and are open to students in elementary, middle and high school based on enrollment criteria (full time, part time, traditional GLCS public students and shared time students). Student course selections are based on the rules for essential/non-essential course enrollment. It is important that students, staff, and parents understand the definitions of essential and non-essential in the legend below.

Students may not be enrolled in any other public school program.

We are inspired by the Michigan Department of Education's leadership in their Top 10 in 10. With an eye on Self Directed Learning and Competency Based Assessment, we strive to offer meaningful and personalized learning opportunities for students to grow and thrive as they continue to discover their own unique talents. Our courses offer students the chance to strengthen their skills and abilities as they move along their educational pathways.

LEGEND - ICONS

Flex App	Flex App - Allows a variety of methods for attending the weekly application opportunities, it allows virtual students to meet and interact with teachers, peers, and community experts to apply their learning. GLVP course applications represent a collaborative effort between certified teachers and community experts. **These courses use various platforms to deliver application content including but not limited to, live sessions, recorded session, and video conferencing.**
Application	Virtual students may choose application opportunities, and interact with teachers, peers, and community experts to apply their learning. GLVP course applications represent a collaborative effort between certified teachers and community experts. These courses have application options. As always, a detailed transportation plan is provided for applications upon request.
100% Virtual	Fully online courses without application opportunities.
Project Based Learning	The course is designed around student led project(s). A two-way communication with a mentor will still be required to discuss project progress. These classes do not have moodle or a virtual curriculum, but may include virtual resources and communications.
Independent Study	Independent study is for students in grades 9-12. Independent study is a type of learning experience that is academic in nature that allows the pupil an opportunity for self-directed learning.
Gold Star Reviews	These courses consistently result in high satisfaction reviews by staff and students.

LEGEND - Platform

GLVP	**Moodle:**	Moodle offers an online learning environment where teachers can create original content for a variety of classes. GLVP classes in Moodle have been written by our own staff, specifically for our students. GLVP uses the Fordson theme, designed specifically to ease navigation for K-12 students.
AL	**ALEKS:**	**A**ssessment and **LE**arning in **K**nowledge **S**paces is a Web-based assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics he/she is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage and ALEKS avoids multiple-choice questions.
OW	**Odysseyware:**	Odysseyware courses are built on a single platform, providing a consistent experience across all courses and enabling a wealth of cross-curricular customization options for educators. All content is fully HTML5 and Java-free, leading to improved ease of use as there are no plug-ins or add-ons required. Content can be accessed across browsers and devices such as tablets, Chromebooks, and smartphones. Students have a variety of embedded instructional supports at their fingertips in every lesson, including literacy, fluency, and audio scaffolds. Available in grades 3-12.
MV	**Michigan Virtual:**	Michigan Virtual offers a variety of courses at the middle school and high school levels. They emphasize quality and comprehension in their courses. Michigan Virtual courses can be selected in trimester format for the traditional building students, in addition to the semester format offerings. MV utilizes a student learning portal that works with the Blackboard online learning management system.
LI	**Lincoln:**	Lincoln Empowered course provides students with proven, standards-based instruction that encourages excitement and creativity. Gull Lake offers Lincoln courses in grades K-5. Many of these courses will come with a course supply kit to assist the parent learning coach with extensions of learning at home, to support the online coursework.
EP	**Exact Path:**	Exact Path offers a customizable learning path for Language Arts and Math for students in grades K8. Students take a diagnostic assessment to determine their level across a variety of standards. Then, Exact Path creates a custom path of skills the student's needs.
TW	**Time4Writing:**	Time4Writing is an online program that can supplement a school’s writing curriculum needs in writing mechanics, paragraph writing, essay writing, and more.
MF	**MusicFirst:**	MusicFirst Classroom is a comprehensive learning management system (LMS) for 6-12 music education. It combines learning management software with engaging content and powerful integrated software to help educators monitor student progress, make lesson plans, and create assignments.
PL	**Plato:**	Plato (Edmentum) provides students with different learning styles the flexible, virtual options needed to engage them and enable them to stay on the path to graduation. Plato courses are not available for self-selection; students may only access if referred and approved by teachers and counselors.

Course Description Explanation

Essential: Essential courses are open to full-time students only. These courses meet the State's requirement for grade level progression in core content areas.

Non-Essential: Non-essential courses (often called electives) are open to all students (full time, part time, home school, traditional GLCS public students, nonpublic/shared time students). Non-essential courses do not meet the State's requirements for grade level progression in core content areas. All dual enrollment coursework and AP coursework is considered non-essential.

Project Based: Project Based Learning will be reintroduced as another tool in the growing number of delivery models. Projects are chosen by learners with ongoing dialogue, guidance, and collaboration with the teacher. All projects will share certain characteristics and features including a driving question that requires critical thinking, problem solving skills, and overall 'active' learning initiated by students. There will not be a moodle class, but may include virtual resources and communications.
There will be weekly two-way communication with your mentor about the progress of the project.

Full Time Students: Have 6-course spots per semester. As full-time public school students, these students are expected to meet the requirements of full-time public school students which includes participating in state required assessments. Full-time students are expected to be working towards grade level progression. Full-time students are expected to have two essential courses at all times in their schedules. Full time could also be a dual-enrolled college student with 10 credits and their concurrent.

Shared Time Students: Have a maximum of 4-course spots, (capped at .75) per semester, and may choose from non-essential courses.

Course/Schedule Changes: Students and parents are encouraged to make thoughtful decisions about the student's schedule. Schedules are final two weeks into each semester. This allows students the first two weeks of the semester to make any course changes needed.

Withdrawals: Any course withdrawals after Count Day each semester will result in a Withdraw (no credit) being noted on the Gull Lake transcript. Unless the student is withdrawing from Gull Lake Community Schools altogether, no course withdrawals will be allowed beyond the fourteenth week of the course unless there are documented extenuating circumstances approved by staff.

Grading: All courses from GLVP will result in credit/no credit (pass/fail) on their Gull Lake transcript. All other vendor courses will result in a letter grade unless otherwise noted in the course syllabus.

Dual Enrollment: Dual enrollment provides students in grades 9-12 the opportunity to take college courses as part of their schedule, with tuition support from Gull Lake. Local partners include Kalamazoo Valley Community College, Kellogg Community College, and Western Michigan University. Other postsecondary institutions may be available if approved by Gull Lake. It is important to have students work through their Gull Lake college advisors to ensure they are completing the steps appropriately and in a timely manner to be eligible for dual enrollment opportunities. Part-time students have a limit of three college courses per semester. Part-time students may not take more classes in the second semester than they had in the first semester. Full-time students (including Early College students) may take a maximum of five college courses per semester, depending on the student's educational development plan and approval of Gull Lake advisors. For a complete list of dual enrollment rules, see the dual enrollment contract. All students participating in dual enrollment and/or early college must continue to have a concurrent Gull Lake course every semester. Full time could also be a dual-enrolled college student with 10 credits and their concurrent.

AP: All courses designated as AP (Advanced Placement) are College Board approved. This means colleges may grant placement and course credit to students who obtain qualifying scores on the AP examination(s).

NCAA: All courses designated as NCAA have been reviewed and approved by the National Collegiate Athletic Association Eligibility Center.

MMC: All courses designated as MMC (Michigan Merit Curriculum) meet content expectations required by the State of Michigan for public high school graduation requirements. **Required courses for diploma-seeking students.

GLVP is a Partnership, including community, business leaders, parents, educators, children, and families. We encourage and help facilitate cooperative partnerships.

Application opportunities are optional learning experiences that allow virtual students to meet and interact with teachers, peers, and community experts to apply their learning. GLVP course applications represent a collaborative effort between certified teachers and community experts. A transportation plan is provided for applications. Contact your advisor to create your detailed plan.

Courses in the GLVP Course Catalog noted with the icons to the right have a corresponding optional application to  accompany the virtual course or Independent Study.

Community partners available for application opportunities correspond with course/content areas. Upon enrollment or consideration of enrollment in the course, a counselor will assist you in the selection of application time.

<table>
<tr><td>Applied Technology/Exploring our World</td><td colspan="2">Business/Career Readiness</td></tr>
<tr><td>Exit 85 Ventures
Fun Learning Company

Other individual district approved certified teachers and community experts</td><td colspan="2">Individual district approved certified teachers and community experts</td></tr>
<tr><td>Fine & Performing Arts</td><td colspan="2">Physical Education & Health</td></tr>
<tr><td>Battle Creek Youth Orchestra
Burghart Music Studio
Community Music School-Battle Creek
Community Music School-Hastings
Design Street
Dickerson Music Company
EastEnd Studio and Gallery
Firebird Fine Arts Academy
Fire House Guitars
Guitar Center
March Music Studio
Red Clay Pottery
The Repertoire, A Center for Dance
String Talent Education Program
Stephen Williams' Music & Dance Service
Suzuki Academy of Kalamazoo
Tanner Music Studio
West Michigan-HFA

Other individual district approved certified teachers and community experts</td><td>All That Athletics
Anderson Institute
Battle Creek YMCA
Battleground Skatehouse
Bittersweet Ski
Branch Gymnastics
Brooks Building-Archery
Chung’s Black Belt
Climb Kalamazoo
CrossFit AZO
Dan Bulley Soccer School
EastFork Farms
Everett Henes Taekwondo
Hillsdale Gymnastics Center
Marshall Recreation Department
Model Farm Stables
Sabumnim Martial Arts</td><td>Nottawa Paint Horse
Pine Meadow Farms
Premier Equestrian Center
Richland Lanes
Sherman Lake YMCA
Tri-Blade Fencing Academy
US Martial Arts
West Hills Athletic Club

Other individual district approved certified teachers and community experts</td></tr>
<tr><td>Foreign Languages</td><td colspan="2">Elective Sciences</td></tr>
<tr><td>Other individual district approved certified teachers and community experts</td><td colspan="2">Other individual district approved certified teachers and community experts</td></tr>
<tr><td colspan="3">Humanities</td></tr>
<tr><td colspan="3">Other individual district approved certified teachers and community experts</td></tr>
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Contents

Elementary

Essential Virtual Course Descriptions

English Language Arts 1A - LI | 

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. In this course, students begin to understand that spoken and written language can be broken into phonemes. They use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students read prose, poetry, and informational texts for comprehension. They learn to interpret the ways in which stories and poems appeal to the senses and to identify the main topic and key ideas within texts. Students increase their vocabulary by learning to use morphemic and contextual analysis to determine the meaning of unknown words. Students learn to spell new words using various spelling rules. In English Language Arts 1, students hone their writing skills by practicing grammar rules for noun usage, personal possessive and indefinite pronouns, verb tenses, capitalization, commas, and end punctuation. In doing so, they learn to produce and expand sentences and to write opinion pieces, informational pieces, and narratives. This year, students begin learning how to research information and how to use their research to answer questions. They identify and use various parts of a book, such as headings and the table of contents. They also use digital tools to publish their writing. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 1A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 1st grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts 1B - LI | 

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. In this course, students begin to understand that spoken and written language can be broken into phonemes. They use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students read prose, poetry, and informational texts for comprehension. They learn to interpret the ways in which stories and poems appeal to the senses and to identify the main topic and key ideas within texts. Students increase their vocabulary by learning to use morphemic and contextual analysis to determine the meaning of unknown words. Students learn to spell new words using various spelling rules. In English Language Arts 1, students hone their writing skills by practicing grammar rules for noun usage, personal possessive and indefinite pronouns, verb tenses, capitalization, commas, and end punctuation. In doing so, they learn to produce and expand sentences and to write opinion pieces, informational pieces, and narratives. This year, students begin learning how to research information and how to use their research to answer questions. They identify and use various parts of a book, such as headings and the table of contents. They also use digital tools to publish their writing. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 1B - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 1st grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts 2A - LI | 

Reading, writing, spelling, speaking, and listening are the central concepts covered in Lincoln Empowered English Language Arts 2. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and temporal words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's purpose, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folk tales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, argumentative, and informative essays, as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a report. Students use a dictionary to reinforce phonetic punctuation and spelling and to identify words with multiple meanings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 2A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts 2B - LI | 

Reading, writing, spelling, speaking, and listening are the central concepts covered in Lincoln Empowered English Language Arts 2. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and temporal words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's purpose, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folk tales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, argumentative, and informative essays, as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a report. Students use a dictionary to reinforce phonetic punctuation and spelling and to identify words with multiple meanings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 2B - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts 3 A - OW | 

Language Arts 300 focuses on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. Students are introduced to basic reading skills, as well as close reading strategies to use in short stories, a short play, poetry, and fables. Students learn to read digital text. Special attention has been paid to teaching students advanced word decoding skills. Students' understanding of sentence structure will lead to hands-on experience with complete sentences and writing complete paragraphs. Students will use graphic organizers to follow the writing process to write for a variety of genres. Students will be given the opportunity to use their verbal communication skills in a variety of projects, in addition to learning strategies for research and gathering information.

Elementary | Essential | First Semester | Platform: Odysseyware

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English Language Arts 3 A - LI | 

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students read more complex texts and write to express themselves with greater sophistication. They practice reading at a natural pace while using intonation and expression appropriately. While reading, they interpret texts in more complex ways, by identifying cause and effect, determining tone and mood, and distinguishing shades of meaning in figurative language. This course introduce students to new genres, including opinion pieces, biographies, and blogs, while they continue to work with narratives, fiction, and informational texts. An emphasis is placed on grammar, punctuation, and spelling as students explore the functions of nouns, pronouns, verbs, adjectives, and adverbs; categorize nouns; explain the differences between various verb tenses; write simple, complex, and compound sentences; and use capitalization, commas, and quotation marks correctly. They learn the spelling of words with various prefixes and suffixes; regular and irregular nouns, verbs, and adjectives; and contractions, compound words, homophones, and words with various vowel sounds. Students develop their speaking and listening skills by planning, writing, and delivering an oral presentation and by creating visual aids to accompany the presentation. English Language Arts 3 also introduces students to new forms of writing, such as scripts, autobiographies, and outlines. They practice drafting and revising their writing through the development of journal entries, short stories, opinion pieces, and narratives. Students expand their research skills by learning to take notes while researching and to organize their notes into categories. They also gather information using both print and electronic sources. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 3 A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 3rd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts 3 B - OW | 

Language Arts 300 focuses on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. Students are introduced to basic reading skills, as well as close reading strategies to use in short stories, a short play, poetry, and fables. Students learn to read digital text. Special attention has been paid to teaching students advanced word decoding skills. Students' understanding of sentence structure will lead to hands-on experience with complete sentences and writing complete paragraphs. Students will use graphic organizers to follow the writing process to write for a variety of genres. Students will be given the opportunity to use their verbal communication skills in a variety of projects, in addition to learning strategies for research and gathering information.

Elementary | Essential | Second Semester | Platform: Odysseyware

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English Language Arts 3 B - LI | 

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students read more complex texts and write to express themselves with greater sophistication. They practice reading at a natural pace while using intonation and expression appropriately. While reading, they interpret texts in more complex ways, by identifying cause and effect, determining tone and mood, and distinguishing shades of meaning in figurative language. This course introduce students to new genres, including opinion pieces, biographies, and blogs, while they continue to work with narratives, fiction, and informational texts. An emphasis is placed on grammar, punctuation, and spelling as students explore the functions of nouns, pronouns, verbs, adjectives, and adverbs; categorize nouns; explain the differences between various verb tenses; write simple, complex, and compound sentences; and use capitalization, commas, and quotation marks correctly. They learn the spelling of words with various prefixes and suffixes; regular and irregular nouns, verbs, and adjectives; and contractions, compound words, homophones, and words with various vowel sounds. Students develop their speaking and listening skills by planning, writing, and delivering an oral presentation and by creating visual aids to accompany the presentation. English Language Arts 3 also introduces students to new forms of writing, such as scripts, autobiographies, and outlines. They practice drafting and revising their writing through the development of journal entries, short stories, opinion pieces, and narratives. Students expand their research skills by learning to take notes while researching and to organize their notes into categories. They also gather information using both print and electronic sources. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 3 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 3rd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts 4 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 4th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts 4 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 4th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts 4A - OW |
Language Arts 400 focuses on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. Students will continue to build fluency and independent reading skills by further developing comprehension strategies via a wide variety of genres including fiction, nonfiction, and poetry. Students will write for a variety of genres, include fictional stories, poetry, and informational text, using a more complex paragraph structure and integrated application of their speaking skills.

Elementary | Essential | First Semester | Platform: Odysseyware

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English Language Arts 4A - LI |
Students in English Language Arts 4 focus on expanding their reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying their writing skills. They use narrative, descriptive, opinion, persuasive, and informative pieces to learn to state ideas, facts, and opinions clearly while correctly using introduction, body, and conclusion paragraphs. Students create a plan for writing, revise and edit their work, and improve their writing using feedback from an adult. Through their writing, they continue to master the conventions of English grammar, including quotations, relative pronouns, progressive verb tenses, modal auxiliaries, prepositional phrases, antecedents, coordinating conjunctions, compound sentences, capitalization, and punctuation, while avoiding sentence fragments and run-on sentences. They learn to spell words with a wide variety of prefixes and suffixes in addition to homophones, possessives, compound words, and words with silent letters. While reading, students identify, describe, and analyze story elements and compare and contrast these elements in stories, myths, and literature from various cultures. Students further develop their research skills by conducting short research projects, taking notes during research, and creating bibliographies. They develop more concrete speaking skills by creating and delivering presentations on various topics. In addition, students create audio recordings and visual aids to supplement their presentations. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 4B - OW |
Language Arts 400 focuses on the sequential development and integration of communication skills in four major areas: reading, writing, speaking, and listening. Students will continue to build fluency and independent reading skills by further developing comprehension strategies via a wide variety of genres including fiction, nonfiction, and poetry. Students will write for a variety of genres, include fictional stories, poetry, and informational text, using a more complex paragraph structure and integrated application of their speaking skills.

Elementary | Essential | Second Semester | Platform: Odysseyware

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English Language Arts 4B - LI |
Students in English Language Arts 4 focus on expanding their reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying their writing skills. They use narrative, descriptive, opinion, persuasive, and informative pieces to learn to state ideas, facts, and opinions clearly while correctly using introduction, body, and conclusion paragraphs. Students create a plan for writing, revise and edit their work, and improve their writing using feedback from an adult. Through their writing, they continue to master the conventions of English grammar, including quotations, relative pronouns, progressive verb tenses, modal auxiliaries, prepositional phrases, antecedents, coordinating conjunctions, compound sentences, capitalization, and punctuation, while avoiding sentence fragments and run-on sentences. They learn to spell words with a wide variety of prefixes and suffixes in addition to homophones, possessives, compound words, and words with silent letters. While reading, students identify, describe, and analyze story elements and compare and contrast these elements in stories, myths, and literature from various cultures. Students further develop their research skills by conducting short research projects, taking notes during research, and creating bibliographies. They develop more concrete speaking skills by creating and delivering presentations on various topics. In addition, students create audio recordings and visual aids to supplement their presentations. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 5 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 5th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts 5 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 5th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts 5A - OW |
Language Arts 500 continues to build on the sequential development and integration of language arts skills in four major areas: reading, writing, speaking, and listening. Special attention is placed on reading non-fiction texts. Students identify text features and explain how graphic elements lead to comprehension and continue to build grammar skills in support of clear communication. Speaking skills are built upon in this course through memorization and recitation of the powerful Gettysburg Address. Students also learn what good communication is and how to practice this in all areas of their lives.

Elementary | Essential | First Semester | Platform: Odysseyware

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English Language Arts 5A - LI |
In English Language Arts 5, students solidify their foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts this year, including fiction, nonfiction, and informational texts. They identify the author's purpose in multiple forms of writing, such as descriptive, expository, technical, persuasive, and narrative passages. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. They also identify, interpret, and compare similes, metaphors, and idioms used in writing and learn to draw a plot diagram and to identify common themes in literature. This year, students write a five-paragraph essay and an effective thesis statement. They follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. Students also write a persuasive letter, a speech, and a script. This course teaches and reinforces spelling rules, such as i before e, while also focusing on the spelling of words ending in a silent e, commonly misspelled words, and words with multiple syllables. Students sharpen their research skills by learning to use notecards for research, gathering information about the same topic from multiple sources, and understanding plagiarism and the importance of writing in their own words. They also practice citing sources by creating a bibliography. Students enhance their presentation skills by reporting on a text or topic, telling a story, retelling an experience, or presenting an opinion in an organized way while using facts and details to support the main idea. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 5B - OW |

Language Arts 500 continues to build on the sequential development and integration of language arts skills in four major areas: reading, writing, speaking, and listening. Special attention is placed on reading non-fiction texts. Students identify text features and explain how graphic elements lead to comprehension and continue to build grammar skills in support of clear communication. Speaking skills are built upon in this course through memorization and recitation of the powerful Gettysburg Address. Students also learn what good communication is and how to practice this in all areas of their lives.

Elementary | Essential | Second Semester | Platform: Odysseyware

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English Language Arts 5B - LI |

In English Language Arts 5, students solidify their foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts this year, including fiction, nonfiction, and informational texts. They identify the author's purpose in multiple forms of writing, such as descriptive, expository, technical, persuasive, and narrative passages. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. They also identify, interpret, and compare similes, metaphors, and idioms used in writing and learn to draw a plot diagram and to identify common themes in literature. This year, students write a five-paragraph essay and an effective thesis statement. They follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. Students also write a persuasive letter, a speech, and a script. This course teaches and reinforces spelling rules, such as i before e, while also focusing on the spelling of words ending in a silent e, commonly misspelled words, and words with multiple syllables. Students sharpen their research skills by learning to use notecards for research, gathering information about the same topic from multiple sources, and understanding plagiarism and the importance of writing in their own words. They also practice citing sources by creating a bibliography. Students enhance their presentation skills by reporting on a text or topic, telling a story, retelling an experience, or presenting an opinion in an organized way while using facts and details to support the main idea. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts K A - LI |

English Language Arts K encompasses reading, writing, speaking, spelling, and listening skills for students who are emerging learners. This course places a heavy emphasis on the alphabet, as students learn letter names and both uppercase and lowercase letters. Students also learn letter sounds and how to articulate and blend those sounds. English Language Arts K focuses on building reading skills through the use of high-frequency sight words, common prepositions, nouns, verbs, and adjectives. Through grade-level appropriate readings, students explore story elements and the ways in which pictures relate to text. They also learn to summarize a text and to compare and contrast characters, events, and ideas within texts. This course teaches foundational grammar and writing skills, including proper capitalization, spacing between words, and sentence punctuation. Students learn to print words and write complete sentences. Finally, interactive activities throughout the academic year help students develop their speaking and listening skills as well. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts K A - EP |

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for K students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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English Language Arts K B - EP |

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for K students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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English Language Arts K B - LI |

English Language Arts K encompasses reading, writing, speaking, spelling, and listening skills for students who are emerging learners. This course places a heavy emphasis on the alphabet, as students learn letter names and both uppercase and lowercase letters. Students also learn letter sounds and how to articulate and blend those sounds. English Language Arts K focuses on building reading skills through the use of high-frequency sight words, common prepositions, nouns, verbs, and adjectives. Through grade-level appropriate readings, students explore story elements and the ways in which pictures relate to text. They also learn to summarize a text and to compare and contrast characters, events, and ideas within texts. This course teaches foundational grammar and writing skills, including proper capitalization, spacing between words, and sentence punctuation. Students learn to print words and write complete sentences. Finally, interactive activities throughout the academic year help students develop their speaking and listening skills as well. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 1 A - LI |

In Mathematics 1, students begin to learn mathematics in a more formal way. They focus on rote counting to 120 and practice reading and writing these numbers. In addition to strengthening their addition and subtraction skills, they compare two-digit numbers based on place values and by using the comparison symbols for greater than, less than, or equal to. Students measure lengths and use measurements to compare the lengths of multiple objects. They strengthen their geometric skills by drawing two-dimensional and three-dimensional shapes and explore fractions by dividing those shapes into halves and quarters. Students also organize, represent, and interpret data in pictures, tables, and charts, and they tell and write times in hours and half hours. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Math 1 A - EP |

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 1st grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math 1 B - LI |

In Mathematics 1, students begin to learn mathematics in a more formal way. They focus on rote counting to 120 and practice reading and writing these numbers. In addition to strengthening their addition and subtraction skills, they compare two-digit numbers based on place values and by using the comparison symbols for greater than, less than, or equal to. Students measure lengths and use measurements to compare the lengths of multiple objects. They strengthen their geometric skills by drawing two-dimensional and three-dimensional shapes and explore fractions by dividing those shapes into halves and quarters. Students also organize, represent, and interpret data in pictures, tables, and charts, and they tell and write times in hours and half hours. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 1 B - EP |

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 1st grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Math 2 A - LI |
In Mathematics 2, students begin to develop the skills to solve problems mentally and to explain how they solved a problem aloud or through writing. They count to 1,000 and identify even and odd numbers. Students discover multiple strategies for adding and subtracting numbers and determine which strategies work best for various problem types. They work with number lines and use them to represent whole numbers and their sums and differences. In this course, students expand their knowledge of place value to include thousands and use this concept to compare numbers. They use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Mathematics 2 introduces digital and analog time and presents students with word problems involving money. In addition to learning monetary values, students also learn to use the dollar and cent symbols appropriately. Students also deepen their understanding of geometric shapes while exploring fractions by dividing shapes into halves, thirds, and fourths. They are introduced to new ways of representing data, including line plots, picture graphs, and bar graphs. This course uses mathematics' manipulatives to help students visualize problems in addition to a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Math 2 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math 2 B - LI |
In Mathematics 2, students begin to develop the skills to solve problems mentally and to explain how they solved a problem aloud or through writing. They count to 1,000 and identify even and odd numbers. Students discover multiple strategies for adding and subtracting numbers and determine which strategies work best for various problem types. They work with number lines and use them to represent whole numbers and their sums and differences. In this course, students expand their knowledge of place value to include thousands and use this concept to compare numbers. They use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Mathematics 2 introduces digital and analog time and presents students with word problems involving money. In addition to learning monetary values, students also learn to use the dollar and cent symbols appropriately. Students also deepen their understanding of geometric shapes while exploring fractions by dividing shapes into halves, thirds, and fourths. They are introduced to new ways of representing data, including line plots, picture graphs, and bar graphs. This course uses mathematics' manipulatives to help students visualize problems in addition to a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 2 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Math 3 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 3rd grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math 3 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 3rd grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Math 3A - OW |
Math 300 is a full-year elementary math course focusing on number skills and numerical literacy. In it, students will gain solid experience with number theory and operations, learning how to apply these in measurement situations. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical concepts.

Elementary | Essential | First Semester | Platform: Odysseyware

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Math 3A - LI |
Students in Mathematics 3 focus on multiplication and division, as this course aims to build strong foundational skills in these areas. Students explore the relationship between multiplication and division and practice using the order of operations to solve problems, including one- and two-step word problems. In addition to using place value to perform multidigit arithmetic, students round numbers to the nearest ten or hundred. They refine their mathematics skills in relation to money by making change using a combination of bills and coins. Mathematics 3 presents area and perimeter to students as they explore linear and area measurements. They also work with fractions as numbers in this course, representing them on number lines, generating equivalent fractions, and comparing fractions with the same numerator and denominator. Finally, students explore the ways in which various types of data can be displayed.

Elementary | Essential | First Semester | Platform: Lincoln

Math 3B - OW |
Math 300 is a full-year elementary math course focusing on number skills and numerical literacy. In it, students will gain solid experience with number theory and operations, learning how to apply these in measurement situations. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to statistical concepts.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Math 3B - LI |
Students in Mathematics 3 focus on multiplication and division, as this course aims to build strong foundational skills in these areas. Students explore the relationship between multiplication and division and practice using the order of operations to solve problems, including one- and two-step word problems. In addition to using place value to perform multidigit arithmetic, students round numbers to the nearest ten or hundred. They refine their mathematics skills in relation to money by making change using a combination of bills and coins. Mathematics 3 presents area and perimeter to students as they explore linear and area measurements. They also work with fractions as numbers in this course, representing them on number lines, generating equivalent fractions, and comparing fractions with the same numerator and denominator. Finally, students explore the ways in which various types of data can be displayed.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 4 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 4th grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math 4 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 4th grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Math 4A - OW |
Math 400 is a full-year elementary math course focusing on number skills and mathematical literacy. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, teaches measurement skills, and introduces students to statistical concepts.

Elementary | Essential | First Semester | Platform: Odysseyware

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Math 4A - LI |
In Mathematics 4, students refine their skills in the areas of place value, measurement, geometry, fractions, and decimals. They use the order of operations to solve problems with whole numbers up to 1 million, and they explore factors and multiples ranging from 1 to 100. Students use equations, arrays, and area models to explain multiplication calculations. They compare multidigit whole numbers, fractions, and decimals using the symbols for greater than, less than, and equal to. Students practice converting measurements, such as feet to inches, and they use their understanding of size to determine whether measurements are reasonable answers to problems. Mathematics 4 introduces students to the protractor, which they use to measure angles in whole number degrees. Students learn to identify right triangles, and they sketch angles, lines, segments, and rays. Students look closely at fractions and decimals in this course by writing equivalent fractions, ordering fractions from least to greatest, comparing fractions with different numerators and denominators, and writing fractions as decimals and vice versa.

Elementary | Essential | First Semester | Platform: Lincoln

Math 4B - OW |
Math 400 is a full-year elementary math course focusing on number skills and mathematical literacy. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates geometric concepts and skills throughout the units, teaches measurement skills, and introduces students to statistical concepts.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Math 4B - LI |
In Mathematics 4, students refine their skills in the areas of place value, measurement, geometry, fractions, and decimals. They use the order of operations to solve problems with whole numbers up to 1 million, and they explore factors and multiples ranging from 1 to 100. Students use equations, arrays, and area models to explain multiplication calculations. They compare multidigit whole numbers, fractions, and decimals using the symbols for greater than, less than, and equal to. Students practice converting measurements, such as feet to inches, and they use their understanding of size to determine whether measurements are reasonable answers to problems. Mathematics 4 introduces students to the protractor, which they use to measure angles in whole number degrees. Students learn to identify right triangles, and they sketch angles, lines, segments, and rays. Students look closely at fractions and decimals in this course by writing equivalent fractions, ordering fractions from least to greatest, comparing fractions with different numerators and denominators, and writing fractions as decimals and vice versa.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 5 A - OW |
Math 500 is a full-year elementary math course focusing on number skills, mathematical literacy, and geometric concepts. Students will gain solid experience with number theory and operations, including whole numbers, decimals, and fractions. In addition, students will develop their understanding of measurement and two- and three- dimensional figures. This course also integrates mathematical practices throughout the units, as well as introducing students to algebraic, statistical, and probability concepts.

Elementary | Essential | First Semester | Platform: Odysseyware

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Math 5 A - LI |
Mathematics 5 focuses on developing students math skills and problem-solving strategies. Problems and activities are designed to get students reasoning abstractly and quantitatively, constructing arguments, and modeling with mathematics. Students add, subtract, and multiply fractions, divide fractions by whole numbers, and divide whole numbers by fractions. They perform multiple operations with decimals in addition to comparing, ordering, and rounding them. They use exponents to denote powers of 10. Students are introduced to volume and how to calculate it and classify two-dimensional shapes into categories. They also graph data on a plot line and the coordinate plane, using graphs to solve real-word and mathematical problems.

Elementary | Essential | First Semester | Platform: Lincoln

Math 5 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 5th grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math 5 B - OW |
Math 500 is a full-year elementary math course focusing on number skills, mathematical literacy, and geometric concepts. Students will gain solid experience with number theory and operations, including whole numbers, decimals, and fractions. In addition, students will develop their understanding of measurement and two- and three- dimensional figures. This course also integrates mathematical practices throughout the units, as well as introducing students to algebraic, statistical, and probability concepts.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Math 5 B - LI |
Mathematics 5 focuses on developing students math skills and problem-solving strategies. Problems and activities are designed to get students reasoning abstractly and quantitatively, constructing arguments, and modeling with mathematics. Students add, subtract, and multiply fractions, divide fractions by whole numbers, and divide whole numbers by fractions. They perform multiple operations with decimals in addition to comparing, ordering, and rounding them. They use exponents to denote powers of 10. Students are introduced to volume and how to calculate it and classify two-dimensional shapes into categories. They also graph data on a plot line and the coordinate plane, using graphs to solve real-word and mathematical problems.

Elementary | Essential | Second Semester | Platform: Lincoln

Math 5 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 5th grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Math K A - LI |
In Mathematics K, students explore the world of mathematics all around them. Students begin to develop foundational mathematics skills such as number identification and recognition and rote counting to 100 by memory. They learn the difference between more than and less than and explore the ways in which numbers are broken down into various components. Students compare measurements, such as longer and shorter and heavier and lighter. They begin to develop problem-solving skills as they engage with simple addition and subtraction equations and word problems. Finally, students are introduced to basic geometry and learn the names and basic attributes of shapes. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Math K A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for K students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

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Math K B - LI | 

In Mathematics K, students explore the world of mathematics all around them. Students begin to develop foundational mathematics skills such as number identification and recognition and rote counting to 100 by memory. They learn the difference between more than and less than and explore the ways in which numbers are broken down into various components. Students compare measurements, such as longer and shorter and heavier and lighter. They begin to develop problem-solving skills as they engage with simple addition and subtraction equations and word problems. Finally, students are introduced to basic geometry and learn the names and basic attributes of shapes. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Math K B - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for K students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | Second Semester | Platform: Exact Path

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Science 1 A - LI | 

This class extends students' exploration of the natural world. Along the way, they practice making predictions and observations, experimenting, and using scientific tools and problem-solving skills. Students investigate ecosystems and habitats, identifying the five basic needs of all living things, the importance of natural resources, and the interactions of human beings and the environment. They examine the agricultural system and its products and by-products. This course also introduces the water cycle and the Earth as a body in space. Students observe matter and describe its properties and states, and they discover the properties of light and sound. Study of force and motion enable them to define the terms and explain the effect of different amounts of force and also how moving objects stop. Finally, students develop their ability to distinguish fact from opinion and recognize the relation of cause and effect. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Science 1 B - LI | 

This one semester class extends students' exploration of the natural world. Along the way, they practice making predictions and observations, experimenting, and using scientific tools and problem-solving skills. Students investigate ecosystems and habitats, identifying the five basic needs of all living things, the importance of natural resources, and the interactions of human beings and the environment. They examine the agricultural system and its products and by-products. This course also introduces the water cycle and the Earth as a body in space. Students observe matter and describe its properties and states, and they discover the properties of light and sound. Study of force and motion enable them to define the terms and explain the effect of different amounts of force and also how moving objects stop. Finally, students develop their ability to distinguish fact from opinion and recognize the relation of cause and effect. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Science 2 A - LI |

This class encourages students to make sense of the world around them by observing and experimenting. Through focused readings and hands-on activities, students explore matter, energy, and physical and chemical changes. They study interdependence in ecosystems, such as the role of bees in pollination and the use and conservation of natural resources. They look beyond food production to the broader purposes of agriculture and recognize the importance of local farms to human society. Students examine the water cycles including evaporation and condensation and the life cycles of such living things as frogs, butterflies, and plants. They research topics and formulate questions, make predictions, and then use scientific tools to observe and measure their experiments. By distinguishing fact from opinion and recognizing patterns and cause and effect, students develop the ability to make inferences and communicate their findings. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Science 2 B - LI |

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Elementary | Essential | Second Semester | Platform: Lincoln

Science 3 A - OW |

Science 3 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 3 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

Elementary | Essential | First Semester | Platform: Odysseyware

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Science 3 A - LI |

Science 3 guides students on an exploration of the natural world, its animals, its plants, and its terrain. They learn how clouds form, what causes the cycles of seasons and of day and night on Earth, and that light and sound are actually energy. Students examine the Earth's eight major biomes and identify how adaptations help plants and animals to survive varying conditions. They become junior meteorologists, able to explain weather and climate and to use weather instruments and knowledge of patterns to observe and predict the weather. Students recognize the information fossils can provide about the Earth's past and use geologic time scales to identify the eras when fossilized organisms lived. They explain how chemical reactions can change the properties of matter, and they investigate energy, magnetism, and electricity. Finally, students research topics and formulate questions, make predictions and observations, experiment and measure using scientific tools, and draw inferences and identify patterns based on their scientific inquiries. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Science 3 B - OW |

Science 3 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course provides a broad survey of the major areas of science. Some of the areas covered in Science 3 include the human body, plants, animals, health and nutrition, matter, sound waves, earth science, and heat energy.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Science 3 B - LI |
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Elementary | Essential | Second Semester | Platform: Lincoln

Science 4 A - OW |
Science 400 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course builds on concepts taught in Science 300, providing a broad survey of the major areas of science. Some of the areas covered in Science 400 include the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, the solar system, and the different spheres of earth.

Elementary | Essential | First Semester | Platform: Odysseyware

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Science 4 A - LI |
Science 4 lays a foundation for future excellence in the STEM fields by introducing technology and engineering concepts, such as simple and complex machines and the steps of the engineering design process. This course encourages students to become innovative problem-solvers equipped with the skills and knowledge necessary to address twenty-first century issues. Students explore the technical and sometimes surprising facts behind the things they see and experience every day. They expand their knowledge and understanding of topics in the areas of physics, chemistry, Earth science, ecology, biology, and space science. Students investigate genetics and the physical characteristics of living things, ecosystems and extinction, agriculture and sustainable resources, and pollution and recycling. They get to know the Earth's landforms and the types of rocks and soil, and extend their learning beyond the Earth to the solar system and the Milky Way. Finally, students encounter important concepts in physics, such as the types and properties of waves, and in chemistry, such as atoms, molecules, and the conservation of mass. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Science 4 B - OW |
Science 400 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course builds on concepts taught in Science 300, providing a broad survey of the major areas of science. Some of the areas covered in Science 400 include the study of plants and animals, ecology, work and simple machines, electricity and magnetism, properties of water and matter, weather, the solar system, and the different spheres of earth.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Science 4 B - LI |
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Elementary | Essential | Second Semester | Platform: Lincoln

Science 5 A - LI | 

Science 5 puts the emphasis on doing science. Students build their knowledge by crafting models, conducting experiments, creating terrariums, and making electromagnets. They learn about plant and animal cells and their functions, photosynthesis, and the roles of producers, consumers, and decomposers in an ecosystem. Students explore the global water cycle, the negative impacts of weather, and the relationship between weather and climate. They deepen their understanding of their home planet by investigating landforms, volcanic activity, the layers of the Earth's atmosphere and geosphere, the tilt of the Earth's axis, the impacts of its revolution around the Sun, and the Sun's role as source of energy for life on Earth. Students are introduced to elements as the basic substances of all matter and the relationship between matter and particles; they also encounter such core concepts of physics as energy transformation, gravitation, and Newton's first and second laws of motion. They design simple and parallel circuits and use the engineering design process to generate solutions to real-world problems. Finally, they conduct research, formulate questions, make predictions and observations, conduct fair tests using the scientific method, record their findings, and draw conclusions for future investigation. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Science 5 A - OW | 

Science 500 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300 and Science 400 courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 500 include the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life.

Elementary | Essential | First Semester | Platform: Odysseyware

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Science 5 B - LI | 

Science 5 puts the emphasis on doing science. Students build their knowledge by crafting models, conducting experiments, creating terrariums, and making electromagnets. They learn about plant and animal cells and their functions, photosynthesis, and the roles of producers, consumers, and decomposers in an ecosystem. Students explore the global water cycle, the negative impacts of weather, and the relationship between weather and climate. They deepen their understanding of their home planet by investigating landforms, volcanic activity, the layers of the Earth's atmosphere and geosphere, the tilt of the Earth's axis, the impacts of its revolution around the Sun, and the Sun's role as source of energy for life on Earth. Students are introduced to elements as the basic substances of all matter and the relationship between matter and particles; they also encounter such core concepts of physics as energy transformation, gravitation, and Newton's first and second laws of motion. They design simple and parallel circuits and use the engineering design process to generate solutions to real-world problems. Finally, they conduct research, formulate questions, make predictions and observations, conduct fair tests using the scientific method, record their findings, and draw conclusions for future investigation. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Science 5 B - OW | 

Science 500 is a basic elementary course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300 and Science 400 courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 500 include the study of cells, plants and animals, ecology, energy, geology, properties of matter, and the natural cycles of life.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Science K A - LI | 

Science K is a course that introduces emerging learners to the knowledge and skills that help them discover and understand the natural world around them. Students learn to formulate questions, to predict, and to experiment. They use basic scientific tools, such as a magnifying glass, a balance scale, and a thermometer, to make observations and draw on those observations to identify causes and effects and communicate their findings. In so doing, students distinguish between factual statements and opinions. They deploy their observational skills to describe animals and plants, their behavior, and their environments, and they explore weather patterns and seasonal changes. Finally, students discover the characteristics of matter, including states of matter, (solid, liquid, gas) and force, including the difference between a push and a pull.

Elementary | Essential | First Semester | Platform: Lincoln

Science KB - LI |
Science K is a one semester course that introduces emerging learners to the knowledge and skills that help them discover and understand the natural world around them. Students learn to formulate questions, to predict, and to experiment. They use basic scientific tools, such as a magnifying glass, a balance scale, and a thermometer, to make observations and draw on those observations to identify causes and effects and communicate their findings. In so doing, students distinguish between factual statements and opinions. They deploy their observational skills to describe animals and plants, their behavior, and their environments, and they explore weather patterns and seasonal changes. Finally, students discover the characteristics of matter, including states of matter, (solid, liquid, gas) and force, including the difference between a push and a pull.

Elementary | Essential | Second Semester | Platform: Lincoln

History and Geography 3 A - OW |
This third grade course is an exploration of the history and geography of the United States. The intent of the course is to give the student an overview of the United States. The student will learn map terminology such as latitude, longitude, and compass rose. These and other geographical terms, along with an overview of the geography of the United States, will help the student discuss and understand the geography of the United States.

Elementary | Essential | First Semester | Platform: Odysseyware

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History and Geography 3 B - OW |
This third grade course is an exploration of the history and geography of the United States. The intent of the course is to give the student an overview of the United States. The student will learn map terminology such as latitude, longitude, and compass rose. These and other geographical terms, along with an overview of the geography of the United States, will help the student discuss and understand the geography of the United States.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Social Studies 1A - LI |
Social Studies 1 leads students beyond their local community to consider their place in their state, the nation, and the world. They explore the function and characteristics of government in the United States, including the role of rules and laws and the rights and responsibilities of citizens. Students also learn how to ask questions and gather information to understand history. The course focuses on developing students knowledge of the interplay between the physical world and human societies, as they learn basic geography skills, such as map reading, and examine the impact of the environment on how and where people live and how regional variations drive trade in both goods and services. Finally, students build their understanding of good citizenship by identifying ways to contribute to the community and avoid conflict and by interacting respectfully with others. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 1B - LI |
Social Studies 1 leads students beyond their local community to consider their place in their state, the nation, and the world. They explore the function and characteristics of government in the United States, including the role of rules and laws and the rights and responsibilities of citizens. Students also learn how to ask questions and gather information to understand history. The course focuses on developing students knowledge of the interplay between the physical world and human societies, as they learn basic geography skills, such as map reading, and examine the impact of the environment on how and where people live and how regional variations drive trade in both goods and services. Finally, students build their understanding of good citizenship by identifying ways to contribute to the community and avoid conflict and by interacting respectfully with others. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 2 B - LI |
Social Studies 2 empowers students to become productive citizens by developing their knowledge and skills in civics, history, geography, and economics. They deepen their understanding of the U.S. government by explaining the role of the three branches of government and of the U.S. Constitution. Students extend their knowledge of U.S. history to recognize the impact of important figures and movements of the past, and they begin to think like historians by identifying reliable sources, crafting compelling questions, distinguishing fact and opinion, and using timelines to structure series of events. The course highlights the role of international relations, including both alliances and international trade, as well as the importance of geography and regional variations in resources and production. Finally, students learn core concepts of economics, including supply and demand, scarcity, and cost and benefits, as well as the functions of banks, and relate these concepts to individuals and communities. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 2A - LI |
Social Studies 2 empowers students to become productive citizens by developing their knowledge and skills in civics, history, geography, and economics. They deepen their understanding of the U.S. government by explaining the role of the three branches of government and of the U.S. Constitution. Students extend their knowledge of U.S. history to recognize the impact of important figures and movements of the past, and they begin to think like historians by identifying reliable sources, crafting compelling questions, distinguishing fact and opinion, and using timelines to structure series of events. The course highlights the role of international relations, including both alliances and international trade, as well as the importance of geography and regional variations in resources and production. Finally, students learn core concepts of economics, including supply and demand, scarcity, and cost and benefits, as well as the functions of banks, and relate these concepts to individuals and communities. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 3 A - LI |
Social Studies 3 focuses on the United States, including its government and its laws. Students are encouraged to think about what it means to be productive, responsible citizens of both the nation and their own local communities. To support their learning about U.S. history and differing cultures and perspectives, students are taught to evaluate the validity of sources, especially websites; to develop and research compelling questions on historical topics; to work with timelines; and to distinguish between fact and opinion. They develop presentation skills that include constructing arguments to support their opinions and using visual aids to add interest to oral reports. Finally, students expand their map-reading skills and learn the fundamentals of financial literacy. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 3 B - LI |
Social Studies 3 focuses on the United States, including its government and its laws. Students are encouraged to think about what it means to be productive, responsible citizens of both the nation and their own local communities. To support their learning about U.S. history and differing cultures and perspectives, students are taught to evaluate the validity of sources, especially websites; to develop and research compelling questions on historical topics; to work with timelines; and to distinguish between fact and opinion. They develop presentation skills that include constructing arguments to support their opinions and using visual aids to add interest to oral reports. Finally, students expand their map-reading skills and learn the fundamentals of financial literacy. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 4 A - OW |
Social Studies 4 (History and Geography 4) focuses on World Geography, describing the surface of the earth and its natural features (biomes). It also teaches about cultural distinctions , placing special emphasis on North American geography and culture. Then, expanding on instruction, it presents a survey of earth and space explorations. These areas of focus target three major content strands: Geography, History, and Social Studies Skills.

Elementary | Essential | First Semester | Platform: Odysseyware

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Social Studies 4 A - LI |
Social Studies 4 introduces students to critical analysis, as they develop more detailed knowledge of U.S. and world history and the influence of individual perspectives on documents and events. Students assess and use a wide variety of primary and secondary sources to research compelling questions and present interpretations and arguments in both written and oral form, supporting their positions with details drawn from those reliable sources. They learn the rights and responsibilities of citizens and how people and groups can work together to accomplish common goals. Students also explore how regional differences in physical environment and culture affect how people live and work. This course fosters a command of the concepts and tools of geography, such as latitude, longitude, maps of various kinds, and scales. Students also gain an understanding of core aspects of economics, including resources, production, consumption, and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First or Second Semester | Platform: Lincoln

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Social Studies 4 B - OW |
Social Studies 4 (History and Geography 4) focuses on World Geography, describing the surface of the earth and its natural features (biomes). It also teaches about cultural distinctions, placing special emphasis on North American geography and culture. Then, expanding on instruction, it presents a survey of earth and space explorations. These areas of focus target three major content strands: Geography, History, and Social Studies Skills.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Social Studies 4 B - LI |
Social Studies 4 introduces students to critical analysis, as they develop more detailed knowledge of U.S. and world history and the influence of individual perspectives on documents and events. Students assess and use a wide variety of primary and secondary sources to research compelling questions and present interpretations and arguments in both written and oral form, supporting their positions with details drawn from those reliable sources. They learn the rights and responsibilities of citizens and how people and groups can work together to accomplish common goals. Students also explore how regional differences in physical environment and culture affect how people live and work. This course fosters a command of the concepts and tools of geography, such as latitude, longitude, maps of various kinds, and scales. Students also gain an understanding of core aspects of economics, including resources, production, consumption, and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 5 A - OW |
Social Studies 5 (History and Geography 5) focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries, and geography of the Americas, with special emphasis on Mexico, Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

Elementary | Essential | First Semester | Platform: Odysseyware

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Social Studies 5 A - LI |
Social Studies 5 puts American history front and center, as students learn about the Native American civilizations of the Americas, the discovery of the New World by European explorers, the founding of the United States, westward expansion, and the coming of the Industrial Revolution. Students leverage research skills to analyze historical events and documents, and they present their findings using arguments based on reliable sources with supporting facts. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students also broaden their understanding of government by recognizing how the system of checks and balances works at both national and state levels, and they identify and interpret important songs and symbols of the United States. Civic responsibility is woven throughout the curriculum, and students recognize the value of public service and the traits of good leaders. Social Studies 5 also explores the themes, tools, and techniques of geography. Students learn how human interaction with the environment has caused change, both beneficial and detrimental, in the past and in the present. Finally, they learn how the U.S. economy functions, including the role of government and multinational organizations in domestic and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 5 B - OW | 

Social Studies 5 (History and Geography 5) focuses on two major areas, American History and Geography. The course covers American History from early exploration through the Reconstruction, with special emphasis given to inventions and technology of the 19th and early 20th centuries, and geography of the Americas, with special emphasis on Mexico, Canada, and U.S. regional geography. These areas of focus target four major content strands: History, Geography, Government and Citizenship, and Social Studies Skills.

Elementary | Essential | Second Semester | Platform: Odysseyware

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Social Studies 5 B - LI | 

Social Studies 5 puts American history front and center, as students learn about the Native American civilizations of the Americas, the discovery of the New World by European explorers, the founding of the United States, westward expansion, and the coming of the Industrial Revolution. Students leverage research skills to analyze historical events and documents, and they present their findings using arguments based on reliable sources with supporting facts. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students also broaden their understanding of government by recognizing how the system of checks and balances works at both national and state levels, and they identify and interpret important songs and symbols of the United States. Civic responsibility is woven throughout the curriculum, and students recognize the value of public service and the traits of good leaders. Social Studies 5 also explores the themes, tools, and techniques of geography. Students learn how human interaction with the environment has caused change, both beneficial and detrimental, in the past and in the present. Finally, they learn how the U.S. economy functions, including the role of government and multinational organizations in domestic and international trade. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies K A - LI | 

Social Studies K introduces emerging learners to the knowledge and skills that help them to become active and valued participants in their community. Students learn the importance of rules and regulations in guiding community behavior and the role of government and other institutions. They explore the concept of good citizenship and values such as respect, democracy, cooperation, and equality in the context of the family and the local community. This course lays the foundation for understanding the past by teaching the importance of a sequence of events, introducing historical figures, and developing students skill in distinguishing fact and opinion. Finally, students learn about the world around them, including how geography influences society, how maps represent places, and how communities rely on trade in goods and services. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies K B - LI | 

Social Studies K introduces emerging learners to the knowledge and skills that help them to become active and valued participants in their community. Students learn the importance of rules and regulations in guiding community behavior and the role of government and other institutions. They explore the concept of good citizenship and values such as respect, democracy, cooperation, and equality in the context of the family and the local community. This course lays the foundation for understanding the past by teaching the importance of a sequence of events, introducing historical figures, and developing students skill in distinguishing fact and opinion. Finally, students learn about the world around them, including how geography influences society, how maps represent places, and how communities rely on trade in goods and services. This course includes a printed Parent and Teacher Guide that will help you support your student's learning.

Elementary | Essential | Second Semester | Platform: Lincoln

Elementary

Non-Essential Virtual Course Descriptions

Building Beyond Legos Elementary - GLVP |
Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including teaming up to make a Rube Goldberg Machine. Skills acquired, logic and problem solving, troubleshooting, following instruction as well as imitating conceptual ideas. At the end of the course students keep their own set of Flexo, a copy of Lego Chain Reactions (with build components), and Lego tape, plus receiver tape to continue designing and creating without limits! This virtual course delivers engaging video demonstrations, assignments, fun activities and quizzes. Grade 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Electronics I Elementary - GLVP |
Students who are self-driven, independent learners, can take this course to follow along with online videos while learning about the basics of electrical components and circuits as well as how hardware and software interact with some simple programming. Students will have fun making lots of cool hands-on projects while following along with the online instructional videos! We will start out looking at the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Students will continue exploring electronics projects and reinforcing the electronics principles and topics already covered with the SmartLab Toys Smart Circuits Games and Gadgets Electronics Lab and the KiwiCo Electronics Pack, which includes: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. We'll conclude by taking a look at hardware and software interactions and delving into some basic programming with our projects using the SparkFun Inventor's Kit! This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Electronics Intro to - Elementary - GLVP |
Students will learn the basics of electrical components and circuits as well as how hardware and software interact with some simple programming. We will have fun making lots of cool hands-on projects – some of which they can take home to keep! We will start out using the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Each week will feature a different electrical component or principle, which we will discuss and/or watch a short video about; then, we'll build a circuit(s) that helps demonstrate how it functions. Then we will check out various projects from litteBits – building creations including games, driving robots, a spinning lamp and even an etch-a-sketch or computer mouse. We'll conclude by reinforcing the electronics principles and topics we've already covered through a few more take-home projects from the KiwiCo Electronics Pack: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Experiencing Arts and Technology Elementary - GLVP |
The course is designed to explore many areas of study in an educational, fun and often hands-on manner. Students will have the option to join a variety of field trip opportunities. This course delivers content/lessons relating to each specific field experience. Students are required to complete content whether or not they attend each field trip. This virtual course delivers engaging assignments, fun activities, and quizzes.

Elementary | Non-Essential | First and/or Second Semester | Platform: Moodle

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Reverse Engineering - Elementary - GLVP |
Students will learn how to safely use tools to take apart items like: computers, appliances, machinery, musical instruments, motorcycles and automobiles. We will look at how to understand more about the way things work by breaking them down into their basic components, and even touch on how to modify and repair common issues in some items. We will include opportunities for local business owners to assist in demonstrating basic skills, using various hand tools, and power tools. We will emphasize safety and proper use of tools to deconstruct items and see how things are built. This virtual course delivers engaging, assignments, fun activities and quizzes. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Robotics I Elementary - GLVP |
Students will learn to build and program robots using a Lego EV3 Robotics Kit. This will include use and programming of various sensors -- color, touch, gyro, and ultrasonic sensors, as well as building several large projects such as a color sorter, a turtle, and a robotic crane. Projects can be done by following along with our online videos. Please keep in mind that these kits are on loan, but if your child sticks with the class for the entire year, they can keep the kit to continue learning. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Robotics II - Elementary - GLVP |
Students will use Lego EV3 extension Robotics Kits to learn how to build and program robots. The goal of this class is to use the motivational effect of robotics to excite students about science and technology. Students learn how to program robot behaviors, by using motors, and rotation, sound, light, touch, gyroscopic, and ultrasonic sensors. Students start by using robot building instructions, programming movement, then move on to working with sensors and more complex robot behaviors. This virtual course has online lessons, resources, quizzes and fun activities. Prerequisite: Robotics I.

Elementary | Non-Essential | Full Year | Platform: Moodle

Robotics Intro to - Elementary - GLVP |
Students will learn the basics of building, problem-solving, and programming through immersive work on challenges using several different robots (Lego BOOST kit, Ozobot Bit, and Dash the robot). Projects can be completed by following along in the software and our instructive lessons. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Robotics Jr. - GLVP |
Students will learn the basics of building and programming with 1-2 week projects using a variety of robots; learn about measuring and angles as you navigate with Pro-Bot Car, create courses and solve challenges with Ozobot using colored markers and special codes, and build and program projects with gears, pulleys, motors, sensors and more using Legos. Note: programming is primarily image-based (requiring little to no reading). This virtual course offers engaging lessons, resources, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Tinkering - GLVP |
This class will cover a variety of engineering topics through a series of hands-on projects, from building a hydraulic claw to making a fiber-optic star night light (examples of previous crates). The first week's video will introduce a new crate and briefly discuss related concepts. Students will follow along, completing their projects with the online videos. There will be discussion questions and related videos/articles for each topic. The second week students will finish the project(s), make modifications/improvements, and work on additional projects. There may be some extra materials required for these additional projects, which will be noted ahead of time (such as scissors, water, cups, etc). Most topics will be a single crate and last for two weeks but we will also incorporate some larger projects using other resources -- examples of past projects have included Nanotechnology and Tinkering Labs Electric Motor Catalyst Kit. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Tinkering Jr. - **GLVP** |

This class will have a series of hands-on projects for kids to create, covering a variety of engineering concepts from building a rocket launcher to learning the science behind magic (examples of previous crates). The first week's video will introduce a new crate and briefly discuss related concepts. Students will follow along, completing their projects with the online videos. There will be discussion questions and related videos/articles for each topic. The second week students will finish the project(s), make modifications/improvements, and work on additional projects. There may be some extra materials required for these additional projects, which will be noted ahead of time (such as scissors, water, cups, etc). Most topics will be a single crate and last for two weeks but we will also incorporate some larger projects using other resources -- examples of past projects have included squishy circuits, mousetrap cars, and a DC motor kit. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades K-2.

Elementary | Non-Essential | Full Year | Platform: Moodle

Wilderness Survival and Adventuring-Elementary - **GLVP** |

Students will learn the foundations of survival basics from identifying and preparing edible plants, to starting a fire, tying knots, basic first-aid, and rappelling. They will also learn to use a map and compass, track animals, and more! We'll learn about how some of these techniques started and developed over time. Opportunities will be provided to hear from experts in the field on how to safely survive outdoors. We will provide a thorough introduction to wilderness survival, while keeping in mind the age of our students. For an example of topic expectations: when learning to make rope and bow strings, students will first learn the basic principles of using synthetic fibers and peeling apart types of organic rope. Then, we'll learn to forage for, harvest, and prepare the correct plants and use the most basic (and quickest) method to produce a short cord. This virtual course delivers engaging assignments, fun activities, and quizzes. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Young Entrepreneurs - **GLVP** |

In this virtual course, we will start with every child's favorite activity, playing with toys! As a class, students will vote on their favorite one and use it as a base to make their own design. During this process, we will build multiple versions to test and perfect and learn about the design process. The second half of the year, we will focus on producing our final products, including learning how to create and pour epoxy molds and how to use a laser cutter and CNC machine. Students will get a brief intro to topics like cost-analysis, production and manufacturing concepts, and creating/producing videos related to their product. This course will also include opportunities to hear from various local businesses, community resources and elected officials. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Cursive Handwriting Elementary - **LI** |

In the Cursive Handwriting course, students will have the opportunity to learn the art of cursive handwriting. This course uses videos and written lessons to demonstrate and explain how each letter is written. Students will practice their cursive writing using engaging activity pages.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln

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Spelling - **OW** |

Students will be placed in the grade level appropriate course. Contents of course include multisyllabic words, short and long vowel sounds, contractions, suffixes, homophones, and more. Spelling is available as an elective for students in grades 3-5.

Elementary | Non-Essential | First or Second Semester | Platform: Odysseyware

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The Sounds and Shapes of Letters and Words - **GLVP** |

This kindergarten class offers a weekly focus on an Upper and Lower Case letter, its sounds, and how to draw/write it. Along with a weekly 4 to 5 minute video of quick-paced tracing, saying, and writing the letter, this class includes a weekly song about how the letter is made. As the weeks progress, blends, digraphs, and even sight words will be added!

Elementary | Non-Essential | Full Year | Platform: Moodle

Time4Writing Elementary - TW |

Time4Writing is an online writing course designed to empower young writers and is supervised by a Gull Lake certified teacher. The elementary courses (grades 2-5) consist of cumulative computer-based lessons, quizzes, and writing assignments and are designed to supplement any core language arts program. Students will build their writing skills in areas such as grammar, sentences, and essays. The curriculum is delivered virtually, and assignments are reviewed by the teacher. A percentage score and feedback are provided to the student by the teacher. The teacher will be available to meet in person. Courses available include: grammar skills, sentences, paragraphs, essays, narrative writing, and informative writing.

Elementary | Non-Essential | First or Second Semester | Platform: Time4Writing

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Art and Culture through American Girls I-Elementary - GLVP |

This course will explore a variety of cultures and crafts from across America. We will use the Beforever American Doll series to learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the Native American lands of Northwest America. Some projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures/tribes. Students will learn about food, attire, and significant events within each time/place (pilgrims and immigrating to America, great depression and WWII, etc). In American Girl I we will study Kaya and her life in the 1760's, Felicity's life in the 1770's, Josefina's life in the 1820's, as well as Kirsten's life in the 1850's. This course has a three-year cycle. Each course can be taken independently depending on the student's interests. American Girl book series will be available for students to read. This virtual course offers engaging activities and assignments. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Art and Culture through American Girls III-Elementary - GLVP |

This course will explore a variety of cultures and crafts from across America. We will use the Beforever American Doll series to learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the Native American lands of Northwest America. Some projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures/tribes. Students will learn about food, attire, and significant events within each time/place (pilgrims and immigrating to America, great depression and WWII, etc). We will study the dolls in chronological order. In American Girl III we will study Nanea and her life in the 40's, Maryellen's life in the 50's, Melody's life in the 60's, as well as Julie's life in the 70's. This course has a three-year cycle. Each course can be taken independently depending on the student's interests. American Girl book series will be available for students to read. This virtual course offers engaging activities and assignments. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Celebrate America - GLVP |

Students will experience adventure on the high seas, stories of great explorers, famous rebellions, a fight for equality and achievements and inventions of famous people. Join our epic journey by examining the lives of famous Americans and the states that they helped develop. Through interactive technology, art, stories, poems, games and media, students will develop first-hand knowledge about our United States and its rich past. As we travel through time we will meet native people, first explorers, and famous Americans. This course delivers engaging virtual content, assignments, quizzes and more. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Crafts and Cooking from Cultures Around the World - GLVP |

Visit the seven continents with engaging craft and cooking activities! As we visit different countries, we will experience art, foods, celebrations and traditions of that culture using books, websites, crafts, and cooking! This class is designed to expand the appreciation of world cultures, while practicing crafts, cooking, map reading. This virtual course delivers engaging lessons, assignments, and fun activities. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Learning Actively in Crafts - GLVP |
In this course, students will explore a variety of topics to create artistic pieces, such as models of the ocean floor using colored sand, shells, and strings, or recreating Masai necklaces of Africa using glue, beads, and paper plates. Crafts will also be related to literary works by famous authors such as Dr. Suess as we create turtles out of popsicle sticks and yarn with Yertle the Turtle! With each topic, students will be invited to explore the topic further through a craft. Students will use common craft materials such as yarn, glue, paper, glitter, paint, cardboard tubes, etc. to observe, predict, experiment, and problem-solve. This virtual course delivers engaging assignments, fun activities, and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Life on the Prairie - GLVP |
Through art, music, literature, cooking, and wood working, we will explore the life of and bring the pages of Laura Ingalls' classic Little House on the Prairie series to life. Each student will complete a tri-folder lap-book, build a covered wagon, as well as create an art quilt to display the lessons they have learned through the storybook. This virtual course delivers engaging assignments, activities and quizzes. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Applied Art Elementary - GLVP |
Simple, fun learning units will introduce elementary students to basic art terms and how to use them in projects. We begin with line, and progress to shape, color, value, texture, form, space, balance, contrast, emphasis, movement, pattern, rhythm and unity. Students will develop an understanding of the ways in which these terms can be used and applied to all types of art. Each unit will include: 1. Explanation of the art term 2. How is it used in art? 3. Examples/suggested project 4. Learning reflection. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Around the World with Art - GLVP |
Elementary students will roam the globe as they learn about other cultures and the art created by people of different cultures. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Art Appreciation Elementary - GLVP |
Elementary students will learn about famous artists through informative mini-units that introduce artists in their historical context. A mix of artists and art styles will be introduced and students will be able to recognize important works of art and the names of the artists who created them. Each unit will include: 1. Introduction to a famous artist. 2. How to recognize the artist's style and what makes them special 3. Suggested project 4. Learning reflection. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Let's Make Art Elementary - GLVP |
This elementary level class will explore the wide variety of art materials and tools used to produce artwork. Students will understand how to use these tools in the creation of art. Each unit will include: 1. Explanation of a specific material/tool to make art. 2. General information about the art materials/tools used in the process. 3. Examples/suggested project 4. Learning reflection. This virtual course delivers engaging assignments, activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Let's Paint-Elementary - GLVP |
Elementary students will learn age-appropriate painting techniques and how to use the various art materials needed to be a successful painter. The work of famous painters will be introduced to illustrate different painting styles and techniques. This virtual course delivers engaging assignments, fun activities, and quizzes. This virtual course delivers engaging assignments, fun activities, and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Math, Nature and Art I - GLVP |
This course will take learning about math and nature to a deep level through the careful and focused observation and attention of art making. Students will be using a wide variety of art making materials to make art inspired by the math and nature topics explored. We will be making art both from direct observation, as well as from our imaginations. We will take full advantage of outdoor learning through exploration. Both shy and outgoing students will enjoy this sometimes messy, never too serious, fun class. Topics and projects may be explored over several weeks and may include writing as well. Art materials used throughout the year will likely include clay, pencil, chalk and oil pastel, paint and ink. This virtual course delivers engaging lessons, assignments, and fun activities. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Visual Arts - LI |
Art and Visual Culture, students analyze and interpret artwork created by others, examine the concepts of aesthetics and art criticism, and explore the practical application of art in a variety of careers. Art and Visual Culture highlights drawing as a form of communication and introduces students to the elements of art and principles of design through hands-on activities. Students sharpen their observation skills using a variety of art media and become adept at using basic techniques and processes to depict the world around them. Furthermore, students express their thoughts and feelings through art practice and experimentation. This course prepares students to pursue art as an area of study.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln

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Art and Methods of Dance-Elementary - GLVP |
The art of dance involves many things: positioning, maintaining a healthy body, muscle memory, posture, etc. Students will watch videos so they can practice through demonstration. No matter which form of dance they choose, students will benefit from this course because it is stemmed from the foundations of dance. Objectives: 1. Explain the proper positions in dance. 2. Describe connections between the arts and everyday life. 3. Apply skills and knowledge to perform in the arts. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Dancing from A-Z Elementary - GLVP |
Terms, terms, and more terms! Dance is filled with unique terms. In this virtual course, students will learn a multitude of dance terms across dance genres. Learning terms includes watching the moves be performed. This virtual course delivers fun, engaging lessons, assignments, and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

The Art of Dance-Elementary - GLVP |
In this course, students will learn about a variety of dances from around the world. Students will also learn about the region of the dance. An introduction to the culture for each region will be included. This virtual course delivers engaging assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Applied Music Elementary - GLVP |
This course is designed for the elementary student to personalize their introduction to music by focusing on a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that expands their theoretical and practical music knowledge. Virtual assignments include listening reflections, general music knowledge for their instrument or voice, and activities enhancing musical abilities such as musical staff review, rhythm exercises, etc. Virtual assignments will also include introduction to the instruments of the band, orchestra, voice types, and more.

Elementary | Non-Essential | Full Year | Platform: Moodle

Children's Choir - Elementary - GLVP |
Students will learn to sing together as a choir, male and female voices. They will learn how to use the vocal instrument and about voice types. Objectives are to begin to read notes on the musical staff as a class, and to be able to sight sing simple melodies, rhythms, and two-part harmonies by the end of the school year. They will gain experience communicating with a conductor. Students will get age appropriate exposure to choral music, both classical and contemporary. The virtual lessons will include further development of skills as independent musicians and an overview of music history. It is encouraged that all students participate in both winter and spring recitals as a choir. This virtual course delivers engaging lessons, assignments, and fun activities. Grades 2nd-5th.

Elementary | Non-Essential | Full Year | Platform: Moodle

Ensemble Musician Elementary - GLVP |
This course is designed for the elementary student who has an interest in group ensembles. The focus is on learning how to be an effective member of an ensemble or group, developing an understanding of ensemble playing, and learning about different types of ensembles and instrument combinations. This course delivers fun, engaging content, ensemble listening reflections, and other activities. Assignments will also include an introduction to the instruments of the band, orchestra, voice types, and more.

Elementary | Non-Essential | Full Year | Platform: Moodle

Music - LI |
Music 1, students are introduced to music fundamentals such as solfege, rhythms, dynamics, meter, instrument families, and dance forms. Each topic is presented through the use of music and movement activities that include reading, singing, dancing, and writing. Students improvise original rhythmic compositions. They sing using various forms of musical expression and dance. They learn and practice proper stage and performance etiquette techniques, and they explore the ways in which music and dance work together to create specific dance forms. Students also learn about American composers whose music has influenced the American society.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln

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Music Explorations Elementary - GLVP |
This course is designed for the elementary student looking to explore their personalized study of music by focusing more in depth on a specific instrument or voice. Applied Music is a prerequisite for this course, although they may be taken simultaneously. The student, in concert with their teacher, will craft a personalized learning plan that builds their theoretical and practical musical knowledge. Students will complete virtual assignments including listening reflections, expanded musical knowledge activities for their second instrument or voice, basic music theory, a final portfolio project, and more. Each student is expected to dedicate practice time to developing their musical skills under the supervision of their teacher and regular practice at home.

Elementary | Non-Essential | Full Year | Platform: Moodle

Broadway at Richland-Elementary - GLVP |
Writing, Acting, and more. In this course students will create stories and perform them. Aspects of a theatre performance will be discussed and introduced. Students will become familiar with researching, writing, interviewing, collaborating, and public speaking. They will explore drama and creative writing as well as musical and theatrical performances. Ultimately they will produce a performance. This virtual course delivers engaging lessons, assignments, and fun activities. Grades 4-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Fencing- Elementary - GLVP |
Introduction to Fencing. This course will cover the use of the three swords still used in modern Olympic fencing, the history and evolution of fencing throughout the ages, as well as that of the equipment used. In addition to learning how to fence, students will also learn the rules of decorum that are to be recognized during a duel or bout, both historically and in modern competition. This virtual course delivers engaging assignments, fun activities, and quizzes. Grades 2-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Muscles and Movement Basics - GLVP |
This virtual course will introduce elementary school students to the role that health and wellness play in how our bodies work. The content will build a foundation of knowledge in anatomy, physiology and health enhancing principles. Students will benefit from added understanding of the virtual curriculum through the use of student-directed, real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Personal Wellness Basics - GLVP |
This elementary course introduces current trends in health, nutrition, physical activity and wellness in a child's life. Students will familiarize themselves with health and fitness concepts and the choices they have to live a healthy lifestyle. Some topics include basic nutrition, anatomy, fitness and stress management. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Physical Education- Elem. - LI |
Physical Education Elementary offers students a complete physical education experience where students are encouraged to live healthy lifestyles through good food choices and daily activity. The course begins by introducing students to the requirements for completion, which include 36 hours of organized, supervised physical activity. Students document all activity within their PE Logs. From there, students learn about a number of different elements of a healthy lifestyle, including safety, working with others, responsibility, stretching, healthy versus unhealthy foods, and warming-up and cooling-down. Regardless of the activity students are asked to do on a given day, they are expected to get up and move for a certain amount of time within each lesson. This expectation encourages students to be active every day by creating a routine. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. The kit is designed to work in conjunction with the course content and contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln

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Sports and Fitness Basics - GLVP |
This virtual course will introduce students to the effects of exercise on the body as well as lay the groundwork for knowledge in recreational sports. The content will build a foundation on the benefits of being physically active, as well as the basic information, rules and history as it pertains to various sports. Students will benefit from added understanding of the virtual curriculum through use of the student directed, real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

Eat Your Stems Elementary - GLVP |
This class will introduce a variety of topics to students: gardening, cooking, science, and food innovation. Students will have opportunities for a variety of field trips (optional) such as KVCC-Food Innovation Center, local greenhouse, local farm to table restaurant, and local working farm. Students will begin to understand the importance of knowing where food comes from; how to grow/harvest/cook vegetables and herbs; and how local farmers fare in today's world. This virtual course delivers engaging assignments, experiments, and quizzes. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Michigan Woods, Water, and Wildlife-Elem - GLVP |
Elementary students will be introduced to a variety of organisms and the habitats, life cycles, and biology they exhibit in Michigan. Students will explore the concepts of conservation and maintenance of diverse natural resources. This virtual course delivers engaging lessons, assignments, and fun activities. Grades 2-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Ocean in Motion - GLVP |
Put on your diving suits and jump into this underwater, deep-sea adventure! Students will become explorers of the ocean, learn what it was like to be a pioneer on the ocean front and what it takes to protect our earth's largest natural resource. This class will be an interactive study of the oceans, ocean weather patterns, zones, mysterious features and abundant living creatures. Through the use of interactive technology, literature, poetry, art, projects and experiments students will be transported into the ocean world. Students will have a top down experience beginning with the shoreline, its animals and their various habitats, the intertidal zone, tide pools, sea shells and seaweed. From there we will continue on to the surface waters, continental shelf, the sunlit zone, continental slope, the three types of coral reefs, the twilight and midnight zones and the bioluminescent creatures that live there. Finally we will end up in the abyss at the bottom of the ocean where we will encounter marine snow, blind crabs, vent bacteria and tube worms. Included in this journey students will hear about famous explorers of the ocean such as William Beebe the inventor of the first submersible and Jacques Cousteau who contributed to the exploration of the oceanic frontier. This virtual course delivers lessons, assignments, research and quizzes. Grades 1-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Survey in Nature II-Elementary - GLVP |
This course is designed for students to learn about scientific inquiry in a fun and engaging way. Students will apply information learned to hands-on activities each week and will complete weekly online assignments to prepare them for the culminating science fair. A variety of topics from nature will be explored at a basic, introductory level. Examples include matter, energy, rocketry, and magnetism. Grades 3-5.

Elementary | Non-Essential | Full Year | Platform: Moodle

Wild and Woolly - GLVP |
This course is designed for elementary students to increase their knowledge of native habitats and how to become a good steward. The main focus of this class will be to read the land with the eyes of a budding naturalist and the respect of a preservationist. Lots of visual and auditory modes will be incorporated using on-line resources. Lessons will be applied to outdoor learning experience opportunities. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: Moodle

American Sign Language Beginner-Elementary - GLVP |
Students taking the ASL I class will attain ASL proficiency. Areas covered will be the alphabet, numbers, finger-spelling, personal pronouns, introductions, use of space, ASL sentence types, non manuals, classifiers, directional verbs, adjectives, 2-person dialogues, technology, and ASL culture. Great emphasis will be placed on signing. Students will get individualized attention for sign production and receptive skills (reading the instructor's signs). Students are expected to have access to a webcam via computer or smartphone. This virtual course delivers engaging, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: Moodle

Elementary

Project Based
Course Descriptions

Exploring the Fifty States - PB |

This class will explore all the oddities and variety of the states that make up our great nation. Each week students will explore one or two states and delve into many aspects of the history, culture, people, and land. We will create a lap book/notebook to document their travels, and work on learning all the states and capitals by heart.

Elementary | Non-Essential | Full Year

Fables, Myths, and Fairy Tales - PB |

We will explore classic Fairy Tales such as Henny Penny, Jack and the Beanstalk, and Goldilocks and the Three Bears using art and creativity to explore these stories. We will read them aloud. The students do not need to be able to read independently to attend. We will be using Evan Moore's Literature Pockets-Fairytales and Folktales as a starting point. The goal for this class is to have exposure to classic literature and enjoy it together! Students will have a collection of lap books and dioramas to illustrate each story by the end of class. Students will also create their own mini books to go along with each story.

Elementary | Non-Essential | Full Year

Creative Learning through Music and Play - PB |

Playful Learning (with Ms. Esman) and Make, Learn, Play Music (With Mrs. Minard) combine to create an exciting class of practical skills such as letter and number introductions, seasons, anatomy, scissor skills, rhythm and melody in music, instrument recognition, and note values. This class will be infused with music and great story time selections, educational tools and musical instruments to help young students enjoy what they are learning!

Elementary | Non-Essential | Full Year

Middle School

Essential Virtual
Course Descriptions

English Language Arts 6 A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 6th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 6 B - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 6th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 6A - MV | 

This is the first course in a two-course sequence. Where am I going? What will I find when I travel into the world ahead? Discovering the answers to these and many other questions will be the focus of the course. Through inquiry, self-discovery, and reflection students cultivate their reading, writing, speaking, listening and viewing skills as they experience the world of literature. Using the theme of "A Time for Exploration," students will follow the steps of the writing process to communicate effectively and actively engage in the steps of the reading process. This will be accomplished via a journey through visual, oral and written texts (fiction, biography, nonfiction, mythology, poetry and folk tales). Prerequisites: 5th Grade English

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 6A - OW |  **|** 

In Language Arts 600, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts to build reading, writing and thinking skills. Students will also develop their writing skills as they focus on the six traits while producing narrative, argumentative, and explanatory compositions, as well as creative pieces including poetry. The course concludes with students completing a full research report.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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English Language Arts 6B - MV | 

This is the second course in a two-course sequence. Where am I going? What will I find when I travel into the world ahead? Discovering the answers to these and many other questions will be the focus of the course. Through inquiry, self-discovery and reflection students cultivate their reading, writing, speaking, listening and viewing skills as they experience the world of literature. Using the theme of "A Time for Exploration," students will follow the steps of the writing process to communicate effectively and actively engage in the steps of the reading process. This will be accomplished via a journey through visual, oral and written texts (fiction, biography, nonfiction, mythology, poetry and folk tales). Prerequisites: Language Arts A - 6th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 6B - OW |  **|** 

In Language Arts 600, students will delve into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts to build reading, writing and thinking skills. Students will also develop their writing skills as they focus on the six traits while producing narrative, argumentative, and explanatory compositions, as well as creative pieces including poetry. The course concludes with students completing a full research report.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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English Language Arts 7 A - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 7th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 7 B - EP |
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 7th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 7A - MV |
This is the first course in a two-course sequence. In this course, students enhance their reading, writing, speaking, listening and viewing skills through exploration and investigation of fiction, nonfiction, short stories, cultural studies, self-discovery, and character education. Through a varied list of learning experiences, students will have the opportunity to explore a wide range of literary, informational, and technical texts. Using the theme of "A Time for Discovery," students will learn and use the writing process to communicate ideas and respond critically to visual, oral and written texts. Prerequisites: 6th Grade English

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 7A - OW | ☆ |
Students will engage in a thematic study of literature that explores accounts of earth, space, and survival, delving into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts. Students will demonstrate their understanding of various works by analyzing how common themes like exploration, innovation, and courage are able to transcend diverse time periods and genres. They will also develop their writing skills as they focus on the six traits of writing while producing argumentative, narrative, and expository compositions. With a strong emphasis on close reading instruction, research activities, and speaking and listening tasks, this course will help students expand their understanding of literature while building twenty-first century skills. To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills, including high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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English Language Arts 7B - MV |
This is the second course in a two-course sequence. In this course, students enhance their reading, writing, speaking, listening and viewing skills through exploration and investigation of fiction, nonfiction, short stories, cultural studies, self-discovery, and character education. Through a varied list of learning experiences, students will have the opportunity to explore a wide range of literary, informational, and technical texts. Using the theme of "A Time for Discovery," students will learn and use the writing process to communicate ideas and respond critically to visual, oral and written texts. Prerequisites: Language Arts A - 7th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 7B - OW |  **|** 

Students will engage in a thematic study of literature that explores accounts of earth, space, and survival, delving into texts that span the genres of narrative fiction, poetry, literary nonfiction, and informational texts. Students will demonstrate their understanding of various works by analyzing how common themes like exploration, innovation, and courage are able to transcend diverse time periods and genres. They will also develop their writing skills as they focus on the six traits of writing while producing argumentative, narrative, and expository compositions. With a strong emphasis on close reading instruction, research activities, and speaking and listening tasks, this course will help students expand their understanding of literature while building twenty-first century skills. To become critical consumers of text, students will be exposed to increasingly more complex texts to which they apply those skills, including high-quality contemporary works, the classics of American literature, and the timeless dramas of Shakespeare.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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English Language Arts 8 A - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 8th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 8 B - EP | 

Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 8th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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English Language Arts 8A - MV | 

This is the first course in a two-course sequence. Who am I? How do I fit into the world? How do I make sense of these changing times? This course will answer those questions and many more! In this course, students will develop their reading, writing, speaking, listening and viewing skills as they explore and enjoy a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). In addition, the course focuses on effective communication strategies that students need in order to succeed in this changing and challenging society. Students will explore the theme of "The American Quest: Past, Present and Future" while developing reading, writing, speaking, listening and viewing skills through a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). Prerequisites: 7th Grade English

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 8A - OW |  **|** 

Language Arts 800 is a survey of literature that explores the work of various writers of different time periods through a historical lens, studying a range of classic and contemporary literature to convey themes of American history, natural history, world civilization, and air and space. Students will also develop writing skills while producing informative, argumentative, and narrative compositions. Supported by a balance of fictional and informational texts, students will learn and practice close reading, modeled reading, writing, speaking, and listening strategies. To become critical consumers of text, students will be exposed to increasingly more complex texts to apply those skills, including high-quality contemporary works, the classics of American literature, and Homer's Iliad.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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English Language Arts 8B - MV |
This is the second course in a two-course sequence. Who am I? How do I fit into the world? How do I make sense of these changing times? This course will answer those questions and many more! In this course, students will develop their reading, writing, speaking, listening and viewing skills as they explore and enjoy a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). In addition, the course focuses on effective communication strategies that students need in order to succeed in this changing and challenging society. Students will explore the theme of "The American Quest: Past, Present and Future" while developing reading, writing, speaking, listening and viewing skills through a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). Prerequisites: Language Arts A - 8th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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English Language Arts 8B - OW | ★ |
Language Arts 800 is a survey of literature that explores the work of various writers of different time periods through a historical lens, studying a range of classic and contemporary literature to convey themes of American history, natural history, world civilization, and air and space. Students will also develop writing skills while producing informative, argumentative, and narrative compositions. Supported by a balance of fictional and informational texts, students will learn and practice close reading, modeled reading, writing, speaking, and listening strategies. To become critical consumers of text, students will be exposed to increasingly more complex texts to apply those skills, including high-quality contemporary works, the classics of American literature, and Homer's Iliad.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 6A - MV |
Math 6 is a course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 6A - OW |
Math 6A is a course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 6A - EP |
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Middle School | Essential | First or Second Semester | Platform: Exact Path

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Mathematics 6B - MV |
Math 6 is a course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 6B - OW | 

Math 6B is a course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 6B - EP | 

Math 6 is a course focusing on number skills and numerical literacy, with an introduction to rational numbers and the skills needed for algebra. In it, students will gain solid experience with number theory and operations, including decimals and fractions. This course also integrates ratio relationships and proportional reasoning throughout the units, as well as introduces students to geometric and statistical concepts. *Teacher recommendation only.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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Mathematics 7A - MV | 

Math 7 is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 7A - OW | 

Math 7A is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Middle School | Essential | First or Second Semester | Platform: Exact Path

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Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 7B - OW |
Math 7B is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 7B - EP |
Math 7 is designed to prepare junior-high students for Pre-algebra. This course focuses on strengthening needed skills in problem solving, number sense, and proportional reasoning. It also introduces students to integers, equations, and geometric concepts. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. *Teacher recommendation only.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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Mathematics 8A - MV |
Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 8A - OW |
Math 8A is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 8A - EP |
Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. *Teacher recommendation only.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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Mathematics 8B - MV |
Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Mathematics 8B - OW | 

Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Mathematics 8B - EP | 

Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the "big picture" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. *Teacher recommendation only.

Middle School | Essential | First or Second Semester | Platform: Exact Path

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Science 6A - MV |  **|** 

This course is the first in a two-course sequence. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world connections and require students to apply STEM skills like analysis, problem solving, science knowledge, and engineering practices. Hands-on and virtual laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist! Prerequisites: 5th Grade Science

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 6A - OW | 

Science 6 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300-500 elementary courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 600 include the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet earth, the solar system, and astronomy. The curriculum seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Science 6B - MV |  **|** 

This course is the second in a two-course sequence. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world connections and require students to apply STEM skills like analysis, problem solving, science knowledge, and engineering practices. Hands-on and virtual laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist! Prerequisites: Middle School Science 6A

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 6B - OW |
Science 6 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 300-500 elementary courses, providing a broad survey of the major areas of science. Some of the areas covered in Science 600 include the study of plant and animal systems, plant and animal behavior, genetics, the structure of matter, light and sound, kinematics, planet earth, the solar system, and astronomy. The curriculum seeks to develop the student's ability to understand and participate in scientific inquiry. The units contain experiments and projects to capitalize on children's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should begin to understand interrelationships between organisms, recognize patterns in ecosystems, and become aware of the cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Science 7A - MV | |
This course is the first in a two-course sequence. Middle School Comprehensive Science 2 is the second in a series of three consecutive middle school science classes. It builds on concepts introduced in the first course of the series, including the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Prerequisites: 6th Grade Science

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 7A - OW |
Science 7 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 700 include the scientific method, overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science. The curriculum seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the student's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Science 7B - MV | |
This course is the second in a two-course sequence. Middle School Comprehensive Science 2 is the second in a series of three consecutive middle school science classes. It builds on concepts introduced in the first course of the series, including the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Prerequisites: Science (Comprehensive) A - 7th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 7B - OW |
Science 7 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on the Science 600 course, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 700 include the scientific method, overview of the four major areas of science, mathematics in science, astronomy, the atmosphere, natural cycles, weather and climate, human anatomy and physiology, and careers in science. The curriculum seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the student's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Science 8A - MV |  **|** 

This is the first course in a two-course sequence. Middle School Comprehensive Science 3 is the third in a series of three consecutive middle school science classes. It builds on concepts introduced in the first and second courses of the series, including the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Students learn about properties of matter, physical and chemical changes, atoms and the periodic table of elements, photosynthesis and cellular respiration, the universe, and the solar system. Hands-on and virtual laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist! Prerequisites: 7th Grade Science

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 8A - OW | 

Science 8 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on Science 600 and Science 700, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. The curriculum seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the student's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Science 8B - MV |  **|** 

This is the second course in a two-course sequence. Middle School Comprehensive Science 3 is the third in a series of three consecutive middle school science classes. It builds on concepts introduced in the first and second courses of the series, including the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Students learn about properties of matter, physical and chemical changes, atoms and the periodic table of elements, photosynthesis and cellular respiration, the universe, and the solar system. Hands-on and virtual laboratory investigations are included throughout the course to provide students opportunities for exploration through scientific inquiry, research, measurement, problem solving, and experimental procedures. By the end of the course, students will be practicing, experimenting, thinking, and talking like a scientist! Prerequisites: Science (Comprehensive) A - 8th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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Science 8B - OW | 

Science 8 is a basic intermediate course intended to expose students to the designs and patterns in the physical universe. This course expands on Science 600 and Science 700, providing a set of basic scientific skills and a broad survey of the major areas of science. Some of the areas covered in Science 800 include the structure and properties of matter, measurement and mathematics of science, geology, oceanography, natural cycles and resources, science today and tomorrow, and astronomy. The curriculum seeks to develop the student's ability to be aware of and participate in scientific inquiry. The units contain experiments and projects to capitalize on the student's natural curiosity. The students will explore, observe and manipulate everyday objects and materials in their environment. Students at this level should show understanding of interrelationships between organisms and the environment, recognize patterns in systems, and expand their knowledge of cellular dimensions of living systems. Collectively, this should help students develop and build on their subject-matter knowledge base.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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American History 8A - MV |
This course is the first in a two-course sequence, and it follows events and trends in U.S. history from the arrival of European explorers through the establishment of a new republic and an expanding nation (beginnings to 1840). You will learn about the earliest Native Americans, Europeans, Africans, Mexicans and others who reshaped life in the Western Hemisphere. You will study who lived in what is known today as the United States; compare the relationship of Native Americans with European explorers and settlers; and examine life in the English Colonies. You will also study the conflict with Great Britain; the establishment of the United States of America, first under the Articles of Confederation, then under the United States Constitution; and look at the challenges that faced an expanding nation. Prerequisites: None

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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American History 8B - MV |
This course is the second in a two-course sequence. American History B continues where American History A leaves off (1840-1890) and leads students to discover industrial growth in the north and agricultural changes in the south along with the new movements in America that included immigrants, women and abolitionists. Students will learn about the expanding west and the rush to find gold. They will investigate how slavery divided the North and the South and eventually contributed to the Civil War along with its casualties and long-term effects on the United States. Students explore the enormous job of Reconstruction and the rebuilding of the nation after the war. Finally, an Epilogue on Modern America will review major events in American History to the present day. Prerequisites: American History A - 8th Grade

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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History and Geography 6A - OW |
This course is the first course in a two-course sequence. History and Geography 6A focuses on World History, with an emphasis on Western Europe. Specifically, it covers World History from ancient civilizations through the end of the 20th century, highlighting the Middle Ages and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies skills.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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History and Geography 6B - OW |
This is the second course in a two-course sequence. History and Geography 6B continues the focus on World History, with an emphasis on Western Europe. Specifically, it covers World History from ancient civilizations through the end of the 20th century, highlighting the Middle Ages and the two World Wars. These areas of focus target three major content strands: History, Geography, and Social Studies skills.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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History and Geography 8A - OW |
This course is the first course in a two-course sequence. History and Geography 8A focuses on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship. Additionally, students will gain practice in research and writing, covering topics like explorers, the thirteen colonies, famous battles, the U.S. Constitution, western expansion, the Civil War, the Industrial Revolution, propaganda, citizenship, and inventors. In addition to the default course program, History and Geography 800 includes alternate lessons, projects, and tests, for use in enhancing instruction or addressing individual needs.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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History and Geography 8B - OW |
This is the second course in a two-course sequence. History and Geography 8B continues the focus on American History, covering the subject from early exploration through the present day, with special emphasis given to the Civil War and to inventions and technology of the 19th and early 20th centuries. These areas of focus target three major content strands: History, Geography, and Government and Citizenship. Additionally, students will gain practice in research and writing, covering topics like explorers, the thirteen colonies, famous battles, the U.S. Constitution, western expansion, the Civil War, the Industrial Revolution, propaganda, citizenship, and inventors. In addition to the default course program, History and Geography 800 includes alternate lessons, projects, and tests, for use in enhancing instruction or addressing individual needs.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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MS World History 6/7 A - MV |
This course is intended for sixth or seventh graders; Students take once either year. Somebody discovered the wheel. Somebody discovered written communication. Somebody even figured out how to count to ten. From the ancient river civilizations to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students join travel agent Mr. Lightfoot to travel back in time digging out the past of these ancient civilizations. In ancient Egypt students visit the pyramids and find out the secrets of preserving mummies. They see how the Mayans developed astronomy to a precise science. They even investigate the difference between the Athenians and the Spartans. Students will journey through India discovering their contributions to medicine, moving on to Africa to follow the rise and fall of the ancient east African kingdoms of Kush and Axum. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made big contributions to what we know and who we are.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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MS World History 6/7 B - MV |
This course is intended for sixth or seventh graders; Students take once either year. Somebody discovered the wheel. Somebody discovered written communication. Somebody even figured out how to count to ten. From the ancient river civilizations to China and its ancient dynasties, different civilizations left their mark on history. They also left their mark on how we live today. In this course, students join travel agent Mr. Lightfoot to travel back in time digging out the past of these ancient civilizations. In ancient Egypt students visit the pyramids and find out the secrets of preserving mummies. They see how the Mayans developed astronomy to a precise science. They even investigate the difference between the Athenians and the Spartans. Students will journey through India discovering their contributions to medicine, moving on to Africa to follow the rise and fall of the ancient east African kingdoms of Kush and Axum. Throughout the centuries, and still today, our world is made up of dozens of different cultures. They all are different, and they all have made big contributions to what we know and who we are.

Middle School | Essential | First or Second Semester | Platform: Michigan Virtual

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World Civilizations 7A - OW |
This is the first course in a two-course sequence. World Civilizations 7A examines the growth of human society from our earliest beginnings to the present. Students will study such topics as agricultural societies, ancient civilizations, empires, trade, and migration. Students will also gain practice in researching, using technology, and writing through various projects. In addition to the default course program, World Civilization includes alternate lessons, projects, essays, and tests for use in enhancing instruction or addressing individual needs.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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World Civilizations 7B - OW |
This is the second course in a two-course sequence. World Civilizations 7B examines the growth of human society from our earliest beginnings to the present. Students will study such topics as agricultural societies, ancient civilizations, empires, trade, and migration. Students will also gain practice in researching, using technology, and writing through various projects. In addition to the default course program, World Civilization includes alternate lessons, projects, essays, and tests for use in enhancing instruction or addressing individual needs.

Middle School | Essential | First or Second Semester | Platform: Odysseyware

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Middle School

Non-Essential Virtual Course Descriptions

Build and Program your own Computer I Middle - **GLVP** |

Students will start with their very own Piper Computer Kit, which they will assemble into a small, working, computer! Students will jump into a world of computer code with a simple, yet versatile, programming language called Python. Python is used by everyone from beginners to professionals, so it is a great skill to learn. Students will learn about binary numbers, Boolean Logic, and computer architecture through fun, hands-on, challenges, using the Turing Tumble. This class is meant for students with little or no experience with programming. With the Piper Computer Kit, students will not only make fun and simple programs on computers they built, but they will also make and test their code in Minecraft! The computers we build allow us to write and edit code within Minecraft. So, in a way, students will be making and playing their own personal version of the popular video game! All materials are supplied. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Build and Program Your Own Computer II - Middle - **GLVP** |

In this course students will continue to build on their Python programming foundation and incorporate electrical circuits into their programming projects. They will program Minecraft games that use real-world sensors from Piper's Sensor Explorer Pack which includes an ultrasonic sensor, a color sensor, and a temperature sensor. In addition, students will build and program their own controller using Piper's Beta Command Center. We will continue with the Turing Tumble to learn more about Binary Numbers and Boolean Logic, as well as covering a range of new programming topics such as classes, inheritance, dictionaries, arrays, reading/writing to files, and more! This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Building Beyond Legos Middle - **GLVP** |

Students will go beyond ordinary Legos by designing, problem solving and building creations that bend, light up, and incorporate walls/ceilings, including teaming up to make a Rube Goldberg Machine. Skills acquired, logic and problem solving, troubleshooting, following instruction as well as imitating conceptual ideas. At the end of the course, students keep their own set of Flexo, a copy of Lego Chain Reactions (with build components), and Lego tape, plus receiver tape to continue designing and creating without limits! This virtual course delivers engaging video demonstrations, assignments, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Design-Prototype-Test-Build - **GLVP** |

This virtual course is designed for creative-thinking students who need the know-how to turn their ideas into a viable product or business. Many people think creating your own product requires an unthinkable investment of time, money, and expertise but this course will show you that's not true and you can make something amazing! This class will walk you through the basic steps it takes to go from a concept to a final product; it will be fast-paced and condense what often takes 18 months to complete into a single school year. We will accomplish this together by leveraging the knowledge and resources of various local businesses, community resources and elected officials to show us how to efficiently streamline this process using modern technology, coupled with internet resources, making entrepreneurship within the grasp of anyone. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Drone Building Middle - **GLVP** |

In this course, students will learn all about drones – including comparing various designs, basic flight principles, what drones are commonly used for (as well as some history of drones and various types of UAVs), and how to build + fly them! We will build various drones throughout the course and try out some that are pre-built, including racing drones and drones that use cameras + VR headsets! We will begin by exploring the Flybrix drone kit, which allows us to test out quad, hex, and octo airframe designs! We will compare different designs and discuss basic electronics and flight techniques. Then, students will try out designing their own drone. Students will go on to learn how to solder (2nd semester), and practice by making their own small, battery-powered, LED circuit. Once they're comfortable soldering, students will be ready to build and test their own drone – using Radio Shack's DIY Drone Starter Kit. Upon completion of the build and the course, students may take home their final project. Finally, students will research and compare individual components and will put together their own drones from scratch! This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Electronics I Middle - GLVP |

Students who are self-driven, independent learners, can take this course to follow along with online videos while learning about the basics of electrical components and circuits as well as how hardware and software interact with some simple programming. We will focus on independently troubleshooting circuits and practically applying the concepts we've covered to real-world situations/uses. Students will have fun making lots of cool hands-on projects while following along with the online instructional videos! We will start out looking at the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Students will continue exploring electronics projects and reinforcing the electronics principles and topics already covered with the SmartLab Toys Smart Circuits Games and Gadgets Electronics Lab and the KiwiCo Electronics Pack, which includes: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. We'll conclude by taking a look at hardware and software interactions and delving into some basic programming with our projects using the SparkFun Inventor's Kit! This virtual course offers engaging lessons, resources, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Electronics Intro to - Middle - GLVP |

Students will learn the fundamentals of electrical components and circuits as well as how hardware and software interact with some programming. We will have fun making lots of cool hands-on projects – some of which they can take home to keep! We will start out using the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Each week will feature a different electrical component or principle, which we will discuss and/or watch a short video about; then, we'll build a circuit(s) that helps demonstrate how it functions. Then we will check out various projects from litteBits – building creations that interact with smartphones, tablets, and computers including games, driving robots, a spinning lamp and even an etch-a-sketch or computer mouse. We'll conclude by reinforcing the electronics principles and topics we've already covered through a few more take-home projects from the KiwiCo Electronics Pack: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. This virtual course delivers engaging assignments, research, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Experiencing Arts and Technology Middle - GLVP |

The course is designed to explore many areas of study in an educational, fun and often hands-on manner. Students will have the option to join a variety of field trip opportunities. This course delivers content/lessons relating to each specific field experience. Students are required to complete content whether or not they attend each field trip. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | First and/or Second Semester | Platform: Moodle

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Principles of Coding - OW |

Principles of Coding is designed to introduce middle school students to the power of coding. Computer literacy has become just as important as reading and math literacy in the 21st Century. No matter what career students select, learning even the basics of coding and computers will benefit them. Additionally, every year there is a standing demand for 120,000 people who are trained in computer science. Jobs in this industry are growing at more than two times the national average of any other field. Throughout this course, students are not only introduced to the basics of coding, but delve deeply into the thought processes behind designing technology. Right from the start, students learn the Engineering Design Process and follow this process to create games, simulations, and even a mobile application. Students examine the impact of technology from a global perspective. The content was written to be highly-engaging for the middle-school audience. Multimedia and interactive elements are built into every lesson to ensure a high-level of student engagement throughout.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Reverse Engineering - Middle - GLVP |

Middle school students will learn how to safely use tools to take apart items like: computers, appliances, machinery, musical instruments, motorcycles and automobiles. We will look at how to understand more about the way things work by breaking them down into their basic components, and even touch on how to modify and repair common issues in some items. We will include opportunities for local business owners to assist in demonstrating basic skills, using various hand tools, and power tools. We will emphasize safety and proper use of tools to deconstruct items and see how things are built. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Robotics I Middle - GLVP |
Students build and program robots using a Lego EV3 Robotics Kit, which includes two different types of motors and four different sensors -- color, touch, gyro, and ultrasonic sensors. They will use these to build several large projects such as a color sorter and a robotic crane, as well as designing, building, and programming their own creations. Projects can be done by following along with our online videos. Please keep in mind that these kits are on loan, but if your child sticks with the class for the entire year, they can keep the kit to continue learning. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Robotics II - Middle - GLVP |
Take your EV3 set to the next level! Get all the pieces you need to complete the home edition set – including an infrared sensor + remote, a ball launcher, and rubber treads. This gives you access to 15 new builds from the Lego site, some of which we'll go through in class videos. Additionally, you'll learn to program the IR sensor + remote, go into arrays, messaging, and file reading/writing, etc. We'll also cover more complex building techniques using attachments and gearing. Projects can be completed by following along with our online videos. A few of this year's projects include a scorpion, an "electric" guitar, and whack-a-mole game. This virtual course offers engaging lessons, resources, quizzes and fun activities. Prerequisite: Robotics I

Middle School | Non-Essential | Full Year | Platform: Moodle

Robotics III - GLVP |
This is the final installment of our EV3 Robotics classes. Students get pneumatics and alternative-energy expansions kits, two extra motors (now you can try out four-wheel drive!), tread inserts for extreme traction, and a few other bonus parts. Learn to make gearboxes so you can switch between controlling different mechanisms with a single motor, practice digital design, and tackle a big project (or two) of your choosing. This virtual course offers engaging lessons, resources, quizzes and fun activities.(Robotics I and II prerequisite is required for Robotics III)

Middle School | Non-Essential | Full Year | Platform: Moodle

Robotics Intro to - Middle - GLVP |
Students will learn building, problem-solving, and programming through immersive work on challenges using several different robots (Lego BOOST kit, Ozobot Bit, and Dash the robot). Projects can be completed by following along in the software and our instructive lessons. Students are encouraged to come up with creative solutions to challenges and design some of their own projects. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grade 6.

Middle School | Non-Essential | Full Year | Platform: Moodle

Tinkering Advanced - GLVP |
This course provides the opportunity for middle school students to explore their creativity in engineering and design -- they'll build hands-on projects such as a wooden desk lamp, or Ukelele, from Kiwico's Eureka Crate. We will also explore concepts like optics and light, how engine's work, how science impacts food, etc. Our online videos will include how to complete projects, as well as further discussion of related topics and real-world applications. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Wilderness Survival and Adventuring Middle - GLVP |

Students will learn the basics of survival -- from identifying and preparing edible plants, to starting a fire, tying knots, basic first-aid, and rappelling. They will also learn to use a map and compass, track animals, and more! We'll learn about how some of these techniques started and developed over time. Opportunities will be provided to hear from experts in the field on how to safely survive outdoors. We will provide a thorough introduction to wilderness survival, while keeping in mind the age of our students. For an example of topic expectations: when learning to make rope and bow strings, students will first learn the basic principles of using synthetic fibers and peeling apart types of organic rope. Then, we'll learn to forage for, harvest, and prepare types of cambium (inner tree bark), which can be used to make a cord strong enough to tow a car! Students will learn the reverse wrap method to quickly make a length of cord. This virtual course delivers engaging, assignments, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Keyboarding and Applications - OW| ★ |

This a good beginning computer course. Keyboarding and Applications is an elective that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. In this course, students will learn about proper keyboarding technique. Once students have been introduced to keyboarding skill, lessons will include daily practice of those skills. Students will gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, they will apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations. Units include: Computer Hardware, Keyboarding, Computer Operating System, Word Processing, Presentation Technology, Internet, and Communication Skills

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Career Explorations I - OW |

The Career Explorations I course is designed to give students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving human-related services. Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student. Units include career management, health science careers, hospitality and tourism systems, human services and consumer services.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Career Explorations II - OW |

The Career Explorations II course is designed to give students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving various technical fields from computers to agriculture. Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student. Units include information technology; information support services; network systems; agriculture, food, and natural resources; and an introduction to STEM.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Career Explorations III - OW |

The Career Explorations III course is designed to give students an opportunity to explore various CTE subjects. Specifically, students will be able to learn about careers involving human-related services. Each unit introduces one particular field and explains its past, present, and future. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student. Units include business and finance; introduction to manufacturing; introduction to transportation, distribution, and logistics; introduction to architecture and construction; and introduction to marketing.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Leadership Skills Development A - MV | 

This is the first semester of a year long course. Winner of the highly coveted CODiE award for innovation, vision and industry impact, Leadership Skills Development equips youth with leadership skills they can use to build confidence, improve school achievement, and meet the challenges of working with a team. Students learn critical skills to assist them in personalizing their leadership journey. The course principles were developed by Mawi Asgedom, an Ethiopian refugee who became a Harvard University graduate. This course has assisted 75-90% of students in improving their grades, skills and confidence.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Leadership Skills Development B - MV | 

This is the second semester of a year long course. Winner of the highly coveted CODiE award for innovation, vision and industry impact, Leadership Skills Development equips youth with leadership skills they can use to build confidence, improve school achievement, and meet the challenges of working with a team. Students learn critical skills to assist them in personalizing their leadership journey. The course principles were developed by Mawi Asgedom, an Ethiopian refugee who became a Harvard University graduate. This course has assisted 75-90% of students in improving their grades, skills and confidence.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Cursive Handwriting Middle - LI | 

In the Cursive Handwriting course, students will have the opportunity to learn the art of cursive handwriting. This course uses videos and written lessons to demonstrate and explain how each letter is written. Students will practice their cursive writing using engaging activity pages.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln

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Spelling - Middle School - OW | 

In the sixth-grade spelling course, students will delve into relevant spelling rules and word families throughout thirty weeks of instruction. Students will practice phonics skills including vowel pairs and diagraphs. Course units also include significant incorporation of word parts such as prefixes and suffixes. Units include review of Greek and Latin roots, compound words, and homophones. These lessons not only meet instructional needs for spelling, but also reinforce language arts skills including application of the writing process and reading comprehension. Grade 6.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Time4Writing Middle - TW | 

Time4Writing is an online writing course designed to empower young writers and is supervised by a Gull Lake certified teacher. The middle school courses (grades 6-8) consist of cumulative computer-based lessons, quizzes, and writing assignments and are designed to supplement any core language arts program. Students will build their writing skills in areas such as mechanics, paragraphs, and essays. The curriculum is delivered virtually, and assignments are reviewed by the teacher. A percentage score and feedback are provided to the student by the teacher. The teacher will be available to meet in person. Courses available include: mechanics, enhancement, paragraphs, essays, advanced essays.

Middle School | Non-Essential | First or Second Semester | Platform: Time4Writing

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Art and Culture through American Girls I-Middle - GLVP | 

This course will explore a variety of cultures and crafts from across America. We will use the Beforever American Doll series to learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the Native American lands of Northwest America. Some projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures/tribes. Students will learn about food, attire, and significant events within each time/place (pilgrims and immigrating to America, great depression and WWII, etc). In American Girl I we will study Kaya and her life in the 1760's, Felicity's life in the 1770's, Josefina's life in the 1820's, as well as Kirsten's life in the 1850's. This course has a three-year cycle. Each course can be taken independently depending on the student's interests. American Girl book series will be available for students to read. This virtual course offers engaging activities and assignments.

Middle School | Non-Essential | Full Year | Platform: Moodle

Art and Culture through American Girls III-Middle - GLVP |
This course will explore a variety of cultures and crafts from across America. We will use the Beforever American Doll series to learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the Native American lands of Northwest America. Some projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures/tribes. Students will learn about food, attire, and significant events within each time/place (pilgrims and immigrating to America, great depression and WWII, etc). In American Girl III we will study Nanea and her life in the 40's, Maryellen's life in the 50's, Melody's life in the 60's, as well as Julie's life in the 70's.This course has a three-year cycle. Each course can be taken independently depending on the student's interests. American Girl book series will be available for students to read. This virtual course offers engaging activities and assignments.

Middle School | Non-Essential | Full Year | Platform: Moodle

3D Art and Artists - Middle - GLVP |
Students will learn the basics three-dimensional art techniques and artists who create 3D art that will inspire you! Ceramics, sculpture, glass art, metalwork and recycled art will be some of the topics. This course delivers engaging virtual content, assignments, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

American Art Middle - GLVP |
What is American Art and what makes it unique? This middle school class will look at the fundamental roots of American art- how it developed, who are the artists? This course delivers engaging virtual content, assignments, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Applied Art Middle - GLVP |
Middle school students will learn how to see art in a different way as they take a look at the elements of art and principles of design. They will develop a better understanding of how the elements of art: line, shape, color, value, texture, form and space create the principles of design: balance, contrast, emphasis, movement, pattern, rhythm and unity in their own artwork, as well as the artwork of other artists. Each unit will include: 1. Definition of the Element of Art or Principle of Design. 2. How is it used in art? 3. Examples/suggested project 4. Reflection question. This course delivers virtual content, assignments, quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Art Appreciation Middle - GLVP |
Students in middle school will take a close look at a variety of artists, as well as important art movements. What makes a work of art great and why? Discover what was going on in a culture or society when the artwork was produced that may have influenced the art style. Each unit will include: 1. An important artist, art style or art movement. 2. Examples of art 3. Why is the artist unique or the art movement important? 4. Reflection question. This virtual course delivers engaging content, assignments, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Confectionery Art - GLVP |
In the eighteenth century, the confectioner's craft became elevated to an artistic standing. Today, anyone can enjoy experimenting with this craft and the art it creates. This virtual class will teach the basics of creating a broad spectrum of confectionery art. Our mediums will be rolled fondant, gum paste, a variety of icing types, sprinkles, colored sugars, coloring, and powders, just to name a few. This virtual class will teach beginning techniques and introduce tools to creating art of this form. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Let's Make Art Middle - GLVP |
There are many different ways that art can be made. This middle school class will explore techniques and media. Students will understand how different art materials can be used in creative ways, and this knowledge can be applied to their projects. Each unit will include: 1. Explain an art technique (media) 2. Information or background about the art materials. This virtual course delivers engaging assignments, activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Let's Paint-Middle - GLVP |
Students will be introduced to different types of paint (watercolor, tempera, and acrylic, oil), painting supplies, painting styles, famous painters and painting genres. Genres will include landscapes, still life, portrait and history paintings. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Art and Methods of Dance-Middle - GLVP |
The art of dance involves many things: positioning, maintaining a healthy body, muscle memory, posture, etc. In this course, students will learn the fundamentals of the main positions in dance, how to keep their body dance ready, and about muscle memory. Students will watch videos so they can practice through demonstration. No matter which form of dance they choose, students will benefit from this course because it is stemmed from the foundations of dance. Objectives: 1. Explain the proper positions in dance. 2. Describe how to maintain a healthy dance body. 3. Describe muscle memory, what is it and the importance of maintaining muscle memory. This virtual course delivers engaging content, assignments and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Dancing from A-Z Middle - GLVP |
Terms, terms, and more terms! Dance is filled with unique terms. In this virtual course, students will learn the fundamentals and a multitude of dance terms across dance genres. Learning terms includes watching the moves be performed. This virtual course delivers fun, engaging lessons, assignments, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

The Art of Dance-Middle - GLVP |
In this course, students will learn the fundamentals about a variety of dances from around the world. In this course, students will also learn about the region of the dance. Basic geography, food, and culture for each region will be included. Students will be challenged to discern which dance(s) helped create the dance form they are studying. This virtual course delivers lessons, assignments, research and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Applied Music Middle - MF |
This interactive virtual course is designed for a middle school student to personalize their study of music by focusing on exploring a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that lays the groundwork for theoretical and practical music knowledge. Virtual assignments include world music, scales, sight reading, ear training, basic music terms, concepts, composition and a digital portfolio of their work.

Middle School | Non-Essential | Full Year | Platform: MusicFirst

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Children's Choir - Middle - GLVP |
Students will learn to sing together as a choir, male and female voices. They will learn how to use the vocal instrument and about voice types. Objectives are to begin to read notes on the musical staff as a class, and to be able to sight sing simple melodies, rhythms, and two-part harmonies by the end of the school year. They will gain experience communicating with a conductor. Students will get age appropriate exposure to choral music, both classical and contemporary. The virtual lessons will include further development of skills as independent musicians and an overview of music history with an added focus on Blues and Jazz (1920's-40's) this year. It is encouraged that all students participate in both winter and spring recitals as a choir. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Ensemble Musician Middle - MF |
This interactive virtual course is designed for the middle school student who has an interest in ensembles. The class will focus on the foundational aspects of concepts such as learning how to be an effective member of an ensemble or group, developing an understanding of ensemble playing, building musical relationships and rapport with others in the ensemble, and learning about different types of ensembles and instrument combinations. This course delivers fun, engaging content, ensemble listening reflections, along with other activities such as an introduction to the instruments of the band, orchestra, voice types, sight reading, ear training, basic music notation, and a digital portfolio of their work.

Middle School | Non-Essential | Full Year | Platform: MusicFirst

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Middle School Guitar 1A - MV |
Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. Prerequisites: None

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Middle School Guitar 1B - MV |
Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. Prerequisites: None

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Music Explorations Middle - MF |
This interactive course is designed for a middle school student looking to further explore their personalized study of music by focusing on a specific instrument or voice. Applied Music is a prerequisite for this course, although they may be taken simultaneously. The student, in concert with their teacher, will craft a personalized learning plan that lays the groundwork for theoretical and practical musical knowledge. Students will complete weekly online assignments including basic music theory, a digital portfolio, ear training, sight reading, and basic music notation. Each student is expected to dedicate practice time to developing their musical skills under the supervision of their teacher.

Middle School | Non-Essential | Full Year | Platform: MusicFirst

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Broadway at Richland-Middle - GLVP |
Writing, Acting, and more. In this course students will create stories and perform them. Aspects of a theatre performance will be discussed and introduced. Students will become familiar with researching, writing, interviewing, collaborating, and public speaking. They will explore drama and creative writing as well as musical and theatrical performances. Students will be introduced to popular thespians and different types of acting platforms (voice, theater, film, and television). Ultimately, students will produce a performance. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Character Education - MV |
This course teaches students practical skills for understanding and managing their emotions, setting goals and getting organized, understanding and getting along with others in our diverse world, and making good decisions. Research shows that people who practice these skills have greater academic achievement as students and experience more success and satisfaction as adults.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Puzzles, Games and Logic Middle - GLVP |
Learn strategy, logic, pattern recognition, and problem-solving through games! We will use a variety of games to build critical thinking and tactics. Games include Set, Clue, Settlers of Catan, and Mastermind. Virtual assignments will include further puzzles and discussions related to the games we're exploring, bonus puzzles, riddles, and brain teasers, as well as reflection on which strategies work well and why. This virtual course delivers engaging, assignments, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Basketball Basics - GLVP |
This course is designed to help students understand the basic skills and concepts of basketball. While also learning discipline, confidence, responsibility, sportsmanship, communication and leadership skills, Students will learn different drills that can help them with their individual skills. Students will also learn how to work as a team to be successful. By focusing on both individual skills and teamwork fundamentals students will learn how to be successful. This virtual course includes online material, activities and assignments of basic skills, rules of the game, teamwork.

Middle School | Non-Essential | Full Year | Platform: Moodle

Fencing Middle - GLVP |
Introduction to Fencing. This middle school course will cover the use of the three swords still used in modern Olympic fencing: foil, epee and saber, the history and evolution of fencing throughout the ages, as well as that of the equipment used. In addition to learning how to fence, students will also learn the rules of decorum that are to be recognized during a duel or bout, both historically and in modern competition. During the first semester we will primarily work on foil, while epee and saber will be taught the second semester, culminating with an in-class tournament. In addition to learning how to fence, students will also learn the rules of decorum that are to be recognized during a duel or bout, both historically and in modern competition. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Health Quest - OW |
Health Quest is a health science elective course for middle school students. The curriculum introduces students to the concepts of what good health is, why good health is important, and what students should do to achieve good health. Units include body, health, nutrition/fitness, health maintenance, and responsible living.

Middle School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Muscles and Movement Intermediate - GLVP |
This virtual course will introduce the fundamentals of how anatomy plays a role in specific sports and daily fitness. The content will build a foundation of knowledge on anatomy, locomotor skills, physiology, body awareness, etc. Students will have the opportunity to further explore a specific sport. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

P.E. Lifetime Sports and Fitness-20 - GLVP |
Students will learn rules, history, and strategies for a variety of sports. Students will also be taught techniques in skill development appropriate for each sport. The class will also involve lifetime fitness. The course will include volleyball, soccer, softball, badminton, pickleball, tennis, ultimate frisbee, frisbee golf, basketball, football, and fitness. Within each sport will be an introduction, drills, skills, strategies, technique, games, and a tournament. The goal for these P.E. classes is to increase overall fitness levels by understanding and applying fitness concepts to a regular workout and a variety of physical activities. This virtual course offers engaging activities and assignments of basic skills, rules of the game, teamwork and more.

Middle School | Non-Essential | Full Year | Platform: Moodle

Personal Wellness Intermediate - GLVP |
The middle school course of Personal Wellness focuses on current trends in health, nutrition, physical activity and wellness in daily life. Students will explore a combination of health and fitness concepts that focus on understanding personal choice and responsibility and how it relates to living a healthy lifestyle. Some topics include dietary choices, improving personal fitness, maintaining a healthy weight and mental health. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Sports and Fitness Intermediate - GLVP |
This virtual middle school course will introduce students to the fundamental effects of exercise on the body. The content will further expand knowledge on proper principles and techniques necessary in designing an effective exercise program including nutrition and biomechanics. Rules, history and proper etiquette for various sports will also be learned. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Eat Your Stems Middle - GLVP |
This class will introduce a variety of topics to students: planning a garden, cooking, science, and food innovation. Students will have opportunities for a variety of field trips (optional) such as KVCC-Food Innovation Center, local greenhouse, local farm to table restaurant, and local working farm. Students will begin to understand the importance of knowing where food comes from; how to grow/harvest/cook vegetables and herbs; and how local farmers fare in today's world. Students will be introduced to ideas such as farm bio-security, climate change, and plant needs. This virtual course delivers engaging assignments, experiments, research and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Michigan Woods, Water, and Wildlife Middle - GLVP |
Middle School students will be introduced to a variety of natural places, plant life, and organisms in Michigan. Students will observe, explore, and apply the knowledge of a variety of Michigan places, plant life, and organisms through activities that explore habitats, life cycles, and biological characteristics as it relates to an understanding of conservation and stewardship of Michigan's diverse natural resources. This virtual course delivers engaging lessons, assignments, and fun activities.

Middle School | Non-Essential | Full Year | Platform: Moodle

Survey in Nature II-Middle - GLVP |
This course is designed for students to learn about scientific inquiry in a fun and engaging way. Students will complete weekly assignments, as well as weekly quizzes and a comprehensive test each semester to prepare them for the culminating science fair. A variety of topics from nature will be explored at a basic, introductory level. Examples include body systems, forensic science, astronomy, and rocketry.

Middle School | Non-Essential | Full Year | Platform: Moodle

American Sign Language Beginner-Middle - GLVP |
Learn grammar rules and conversational skills in American Sign Language. Understand the difference between signing using English word order and using ASL to communicate. Begin to develop skills in writing ASL gloss to show comprehension of ASL grammar. Demonstrate an understanding of classifiers and role shifting in ASL. Study fluent ASL users online to enhance visual receptive skills. Study Deaf Culture and social norms. Opportunities to meet members of the Deaf community in order to gain knowledge about Deaf Culture. This class is considered prep for taking a foreign language credit in high school. Students are expected to have access to a webcam via computer or smartphone. This virtual course delivers engaging, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Exploratory French I Middle - GLVP |
This French class offers middle school students the opportunity to explore language study by building a vocabulary base and concentrating on listening skills as they hear the language context. This class also focuses on the learning of the four basics language skills: listening, speaking, reading and writing in French. This virtual course delivers engaging content, activities and assignments. Students will also have the opportunity to start learning about and experience the culture of French speaking countries.

Middle School | Non-Essential | Full Year | Platform: Moodle

Exploratory Spanish I Middle - GLVP |
This Spanish class offers middle school students the opportunity to explore language study by building a vocabulary base and concentrating on listening skills as they hear the language context. This class also focuses on learning four basic language skills: listening, speaking, reading and writing in Spanish. This virtual course delivers engaging, videos, activities and assignments.

Middle School | Non-Essential | Full Year | Platform: Moodle

Latin I Middle - GLVP |
In Latin I, students will learn the fundamentals of the Latin language through an in-depth study of grammar and vocabulary. Translation will serve as the primary path to a complete understanding of the language. Based on the Ecce Romani approach, students will move from the concrete to the abstract, deriving general principles from facts or instances found in Latin language passages. The focus of this learning system is for a student first to master reading and comprehension and then use their acquired understanding and confidence to learn grammatical generalizations and analysis. The year will begin with a basic approach to fundamental skills and easy to understand Latin language passages, and progress to more difficult passages which emphasize specific concepts. This virtual course delivers engaging assignments, activities, and quizzes. Access to a printer is highly recommended.

Middle School | Non-Essential | Full Year | Platform: Moodle

Latin II Middle - GLVP |
In Latin II, a continuation of the fundamentals of the Latin language through an in-depth study of grammar and vocabulary. Translation will serve as the primary path to a complete understanding of the language. Based on the Ecce Romani approach, students will move from the concrete to the abstract, deriving general principles from facts or instances found in Latin language passages. The focus of this learning system is for a student first to master reading and comprehension and then use their acquired understanding and confidence to learn grammatical generalizations and analysis. The year will begin with a basic approach to fundamental skills and easy to understand Latin language passages, and progress to more difficult passages which emphasize specific concepts. This virtual course delivers engaging assignments, fun activities, and quizzes. Access to a printer is highly recommended.

Middle School | Non-Essential | Full Year | Platform: Moodle

MS French 1A - MV | 

This course is the first in a two-course sequence. Students begin their introduction to French by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS French 1B - MV | 

This course is the second in a two-course sequence. Students begin their introduction to French by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS French 2A - MV | 

This course is the first in a two-course sequence. Students continue their introduction to French by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: French 1B (Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS French 2B - MV | 

This course is the second in a two-course sequence. Students continue their introduction to French by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: French 2A (Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS German 1A - MV | 

This course is the first in a two-course sequence. Students begin their introduction to German by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS German 1B - MV | 

This course is the second in a two-course sequence. Students begin their introduction to German by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS German 2A - MV |
This course is the first in a two-course sequence. Students continue their introduction to German by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: German 1B (Middlebury - Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS German 2B - MV |
This course is the second in a two-course sequence. Students continue their introduction to German by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: German 2A (Middlebury - Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS Spanish 1A - MV |
This course is the first in a two-course sequence. Students begin their introduction to Spanish by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: None

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS Spanish 1B - MV |
This course is the second in a two-course sequence. Students begin their introduction to Spanish by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: Spanish 1A (Middlebury - Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS Spanish 2A - MV |
This course is the first in a two-course sequence. Students continue their introduction to Spanish by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: Spanish 1B (Middlebury - Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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MS Spanish 2B - MV |

This course is the second in a two-course sequence. Students continue their introduction to Spanish by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: Spanish 2A (Middlebury - Grades 6-8)

Middle School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Welcome to M-Cubed-Middle - GLVP |

This middle school course will be an exciting study of putting Sign Language and Music together. This is a performance class where students will pick their favorite artists such as Taylor Swift, Justin Timberlake, and learn the Art of Translating which is a form of Sign Language used when signing to music. We will work together studying the literal meaning of song lyrics to translate them into Sign Language. Once students are comfortable with their ability to use Sign Language and mouth English to their songs simultaneously, students are free to add routines, and costume to their individual acts or group performances. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: Moodle

Middle School

Project Based
Course Descriptions

Claymation, Stop Motion and Video Editing - PB |
In this course students will learn about the elements of Claymation and Stop Motion through Story Boarding, prop building, character development, filming, editing-and more. This class will also be producing, through puppetry and claymation, the Bedford News which will facilitate learning filming, lighting and editing skills. Topics will include, plasticine, armature, what makes a character loved, story development, and more. This PBL (Project Based Learning) course delivers engaging and fun assignments. Project Idea: Students will investigate our school area (aquatic, woodland, field, school, etc.) and explore the interconnectedness of all living things. We, as a class, will develop a Project Launch, build our background information, do research, create our storyboard, write, revise, film, edit, produce, and ultimately present and celebrate our message. Moodle will be available as a resource for class materials and as a platform for students to share information with one another. The goal will be to preserve/enhance our community and take this information with us to our world and our homes. Major Products: Stop Motion YouTube Video presentation by students How will you make it public? YouTube presentation for school community use.

Middle School | Non-Essential | Full Year

World Music Drumming - PB |
We will play music from Western Africa and the Carribean, rehearsed in the traditional aural style. You will learn drumming and small percussion techniques, as well as rhythmic notation and improvisation styles. Playing in an ensemble like a drum circle also builds life skills such as communication, listening, teamwork, discipline, and respect for others. We will end each semester with a community performance. No previous musical experience is necessary.

Middle School | Non-Essential | Full Year

Stage Write - PB |
Have you ever wanted to apply your creativity and imagination in writing a skit, script, or play? This course will teach the fundamental literacy skills such as use of parentheses, indentation, quotations, and paragraphs while developing the creative side of writing. Students will learn character development, plot, antagonist, protagonist, etc. and apply what they are learning by writing their own skit or short play. Students will have the opportunity to perform their masterpiece second semester.

Middle School | Non-Essential | Full Year

High School

Essential Virtual Course Descriptions

English 10A - MV | 

This is the first course in a two-course sequence. Students will read engaging works and explore topics of interest as they develop their reading, writing and speaking skills. Students will use essential questions to focus on a topic for each unit. Prerequisites: 9th Grade English

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 10A - OW | 

English 10A students will study literature that spans centuries, continents, and genres. Each of the four thematically-integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the study of American Literature in English III.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 10B - MV | 

This is the second course in a two-course sequence. In this course students will read engaging works and explore topics of interest as they develop their reading, writing, and speaking skills. Students will use essential questions to focus on a topic for each unit. The course is aligned to the Common Core Standards. Prerequisites: English 10A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 10B - OW | 

English 10B students will study literature that spans centuries, continents, and genres. Each of the four thematically-integrated units encourages close study of this literature and its context. Students will gain valuable cultural insight as they read and write about works depicting the social, personal, religious, and political struggles and triumphs faced by people all over the world and all through history. Students will continue to build their literacy skills by engaging in focused reading, composition, speaking and listening activities, vocabulary study, and research. By the end of the course, students will have gained a broader perspective and will be well-prepared to apply that perspective to the study of American Literature in English III.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 11A (American Lit) - MV | 

This is the first course in a two-course sequence. Two major themes for this course are Leadership at Home and Leadership in Society. Students will address several Y questions related to these themes while reading a variety of works by American authors. In addition to major works, students will read short stories and informational texts, engage in poetry analysis, view informational videos, and write for various purposes. Larger writing assignments include an informative essay and a major research project. Students partake in grammar challenges where they learn about grammar concepts and develop a mastery of their use. In addition to building their writing skills, students learn several reading strategies such as how to use graphic organizers to extract important information, take Cornell notes for an informational text or during a lecture, and summarize to monitor comprehension. Furthermore, students will explore several rhetorical devices and strategies like symbolism, dialect, author's purpose, foreshadowing, persuasive devices, setting and more. Prerequisites: English 10

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 11A (American Lit) - OW | 

English 11A is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 11B (American Lit) - MV | 

This is the second course in a two-course sequence and has been redesigned to align to the Common Core Standards. Two major themes for this semester are Becoming My Own Leader and Leading Others. Students will address several Y questions related to these themes while reading a variety of works by American authors. In addition to major works, students will read short stories and informational texts, engage in poetry analysis, view informational videos, and write for various purposes. Larger writing assignments include an argument essay, a narrative essay, and a business email. As a supplement to these assignments, students will partake in grammar challenges where they learn about grammar concepts and develop a mastery of their use. In addition to building their writing skills, students learn several reading strategies such as how to use graphic organizers to extract important information, take Cornell notes for an informational text or during a lecture, and summarize to monitor comprehension. Furthermore, students will explore several rhetorical devices and strategies like characterization, allusion, word choice and diction, setting, symbolism, point of view, and more. Prerequisites: American Literature A (English 11A)

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 11B (American Lit) - OW | 

English 11B is a survey of American Literature and literary culture from its inception through the twentieth century. Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will. Emphasis is placed on a rhetorical analysis of the literature to determine how authors achieve a particular purpose or effect. Through focused readings, composition, speaking and listening activities, vocabulary study and research, students will continue to build the literacy skills they need to meet the challenges of high school and beyond.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Odysseyware

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English 12A (British Lit) - MV | 

This is the first course in a two-course sequence. In this course students will read engaging works and explore topics of interest as they develop their reading, writing, and speaking skills. Students will use essential questions to focus on a topic for each unit, such as Transformation of Language and Informed Decision Making. Prerequisites: English 11

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 12A (British Lit) - OW | 

This course is organized chronologically, so students can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis is placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 12B (British Lit) - MV |
This is the second course in a two-course sequence in British literature. In this course students will read engaging works and explore topics of interest as they develop their reading, writing, and speaking skills. Students will use essential questions to focus on a topic for each unit, such as Technology: Potential for Enhancing Human Life and The DNA for Survival. Prerequisites: British Literature A (English 12A)

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 12B (British Lit) - OW |
This course is organized chronologically, so students can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings. Particular emphasis is placed on gaining critical perspective on the relationship between content and form and on synthesizing ideas into clear and concise prose and presentations.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 9A - MV |
This is the first course in a two-course sequence. As students progress through the course, they will explore two main themes, Courage and Choice, and address essential questions while reading a variety of works. Students will read novels, short stories and informational texts, engage in poetry analysis, view informational videos and write for various purposes. Larger writing assignments include a research project and a narrative essay. As a supplement to these writing assignments, students will partake in grammar challenges where they learn about grammar concepts and develop a mastery of their use. In addition to building their writing skills, students will learn several reading strategies such as how to use graphic organizers to extract important information and summarize to monitor comprehension. Furthermore, students will explore several rhetorical devices and strategies like symbolism, figurative language, theme, setting and more. Prerequisites: 8th Grade English

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 9A - OW |
Students engage in in-depth analysis of increasingly more complex literature, view that literature from its historical perspective, and connect it to other arts. They will write literary analyses, logical arguments, informational/explanatory texts, narratives, and focused research projects. These writing tasks will be both formal and informal. Additionally, they will engage in speaking and listening activities that use and incorporate media and technology. As a result of the reading, writing, speaking, and listening students will do in this course, they will grow their vocabulary and their understanding of how to communicate effectively by making skillful choices when expressing themselves with language.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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English 9B - MV |
This is the second course in a two-course sequence. The two major themes for this semester are "Survival" and "Discovery." As students progress through these themes, they will address several essential questions related to these themes while reading a variety of works. In addition to major works, students will read short stories and informational texts, engage in poetry analysis, view informational videos, and write for various purposes. Some of the larger writing assignments include a research project and a narrative essay. As a supplement to these writing assignments, students will partake in grammar challenges where they learn about grammar concepts and develop a mastery of their use. In addition to building their writing skills, students will learn several reading strategies such as how to use graphic organizers to extract important information and summarize to monitor comprehension. Furthermore, students will explore several rhetorical devices and strategies like characterization, allusion, word choice and diction, setting, and more. Prerequisites: English 9A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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English 9B - OW |
This is the second course in a two-course sequence. The two major themes for this semester are "Survival" and "Discovery." As students progress through these themes, they will address several essential questions related to these themes while reading a variety of works. In addition to major works, students will read short stories and informational texts, engage in poetry analysis, view informational videos, and write for various purposes. Some of the larger writing assignments include a research project and a narrative essay. As a supplement to these writing assignments, students will partake in grammar challenges where they learn about grammar concepts and develop a mastery of their use. In addition to building their writing skills, students will learn several reading strategies such as how to use graphic organizers to extract important information and summarize to monitor comprehension. Furthermore, students will explore several rhetorical devices and strategies like characterization, allusion, word choice and diction, setting, and more. Prerequisites: English 9A

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Algebra 1A - MV |
Algebra IA is a course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. Prerequisite: Pre-Algebra and/or Math 8.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Algebra 1A - OW |
This course will meet Algebra A credit at an introductory level and may not meet college admission standards. Within the Algebra I Fundamentals course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Algebra 1B - MV |
Algebra IB is a course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. Prerequisite: Algebra IA

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Algebra 1B - OW |
This course will meet Algebra B credit at an introductory level and may not meet college admission standards. Within the Algebra I Fundamentals course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Algebra 2A - MV |
Algebra II - is a high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem-solving.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Algebra 2A - OW |
This course will meet Algebra 2A credit at an introductory level and may not meet college admission standards. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Algebra 2B - MV |
Algebra II - is a high school math course intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem-solving.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Algebra 2B - OW |
This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem solving.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Geometry A - MV |
Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Geometry A - OW |
The course focuses on the skills and methods of linear, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Geometry B - MV |
Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Geometry B - OW |
The course focuses on the skills and methods of linear, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Algebra 1A - OW |
Honors Algebra IA is a course that is intended for the student wanting to pursue a future in a math related occupation. It is intended for a student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra 1A course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, polynomial functions and required enrichment projects. Prerequisite: Pre Algebra and/or Math 8.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Algebra 1B - OW |
Honors Algebra IA is a course that is intended for the student wanting to pursue a future in a math related occupation. Algebra 1B is a course that is intended for the student who has successfully mastered the core algebraic concepts covered in the prerequisite course, Pre-Algebra. Within the Algebra I course, the student will explore basic algebraic fundamentals such as evaluating, creating, solving and graphing linear, quadratic, polynomial functions and required enrichment projects. Prerequisite: Algebra 1A.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Algebra 2A - OW |
Honors Algebra 2A is a course that is intended for the student wanting to pursue a future in a math related occupation. This course is intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem-solving. Required enrichment projects are also included.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Algebra 2B - OW |
Honors Algebra 2B is a course that is intended for the student wanting to pursue a future in a math related occupation. This course is intended for the student who has successfully completed the prerequisite course Algebra I. This course focuses on algebraic techniques and methods in order to develop student understanding of advanced number theory, concepts involving linear, quadratic and polynomial functions, and pre-calculus theories. This course also integrates geometric concepts and skills throughout the units, as well as introducing students to basic trigonometric identities and problem-solving. Required enrichment projects are also included.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Geometry A - OW |
Honors Geometry A is a course that is intended for the student wanting to pursue a future in a math related occupation. Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction. Required enrichment projects are also included.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Honors Geometry B - OW |
Honors Geometry B is a course that is intended for the student wanting to pursue a future in a math related occupation. Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction. Required enrichment projects are also included.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Biology A - MV |
Biology A introduces students to the scientific method and major concepts of biology from an historical and practical viewpoint. The three major themes of this course are the cell, the molecular basis of heredity, and taxonomy and speciation. Students who take this class will have a deeper appreciation for the complexities of living organisms. In the last 50 years, discoveries have launched new branches of biology that have transformed the daily routine, from conception to death. New challenges await, such as the current crisis in ecology, global warming, and the resurgence in viral disease. To make rational choices in the 21st century, the citizen must have a basic understanding of biological concepts and the reasoning behind them. Students demonstrate understanding of the material throughout the course via virtual lab exercises, written assignments, quizzes and unit exams. Prerequisites: None.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Biology A - OW |
Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences. Expanding on that, this Biology course will incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment. Students at this level should show development in their understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and that actively engage them. The continued exposure of science concepts and scientific inquiry will serve to improve the students' skills and understanding. Biology should be preceded or accompanied by an Algebra I course.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Odysseyware

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Biology B - MV |
Biology B is a continuation of Biology A. The major concepts covered are population dynamics and evolution. Students explore population dynamics through the study of mutualism, predation, parasitism, and competition. The theory of evolution is presented, along with the many evidences and details that make evolution the backbone of modern biology. From biochemistry to evolution, biology fascinates people. This second semester of biology examines the wonder of life and its mechanisms. Prerequisites: Biology A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Biology B - OW |
Biology is intended to expose students to the designs and patterns of living organisms and their interactions with the environment. In preceding years, students should have developed a foundational understanding of life sciences. Expanding on that, this Biology course will incorporate more abstract knowledge. The student's understanding should encompass both the micro and macro aspects of life, and this biology course includes both. The major concepts covered are taxonomy, the chemical basis of life, cellular structure and function, genetics, microbiology, plant structure and function, animal structure and function, and ecology and the environment. Students at this level should show development in their understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for students and that actively engage them. The continued exposure of science concepts and scientific inquiry will serve to improve the students' skills and understanding. Biology should be preceded or accompanied by an Algebra I course.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Chemistry A - MV |
This is the first course in a two-course sequence. This course is designed to meet both the Michigan Content Standards for Chemistry (Michigan Merit Curriculum) and the literacy standards of Common Core State Standards for Science and Technical Subjects. In this course, students will learn about the composition of matter, its chemical and physical properties, and how these change in chemical reactions. Other topics include measurement and calculations, the scientific method, chemical nomenclature, and energy changes that accompany physical and chemical changes. Each lesson includes a variety of sources of information, including text, videos, interactive simulations and self-check exercises. Students will have hands-on opportunities to conduct investigations at home. Practice exercises are included as well as graded assignments. Prerequisites: Successful completion of Algebra

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chemistry A - OW |
The major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Chemistry B - MV |
This is the second course in a two-course sequence. This course is designed to meet both the Michigan Content Standards for Chemistry (Michigan Merit Curriculum) and the literacy standards of Common Core State Standards for Science and Technical Subjects. It continues the study of chemical reactions with calculations in chemical reactions, rates of reactions, reactions equilibrium, and redox reactions. Other topics include phases of matter, acids and bases, nuclear chemistry, and organic chemistry. Each lesson includes a variety of sources of information, including text, videos, interactive simulations and self-check exercises. Practice exercises are included as well as graded assignments. Prerequisites: Successful completion of Algebra and Chemistry A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chemistry B - OW |
The major concepts covered are measurement in chemistry, atomic structure, chemical formulas and bonding, chemical reactions, stoichiometry, gases, chemical equilibrium, and organic chemistry. Students at this level should show development in their ability and understanding of scientific inquiry. The units contain experiments and projects that seek to develop a deeper conceptual meaning for the student and actively engage the student. The continued exposure of science concepts and scientific inquiry will serve to improve the student's skill and understanding.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Physics A - MV |
This is the first course in a two-course sequence. The science of physics involves the discovery of patterns and relationships in natural phenomena. As students progress through this interactive course, they will be introduced to familiar situations from a new perspective. They will learn to explain, according to the laws of physics, events that occur in the world around them. Through text, graphics, interactive simulations, Smart Science Labs, Gizmos and many instructional videos they will investigate straight-line motion, motion in two dimensions, rotational motion, energy, relativity, properties of matter, change of state, and heat and temperature. Prerequisites Successful completion of Pre-Algebra.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Physics A - OW |
Physics is intended to provide a more in-depth study of the physical universe. In preceding years students should have developed a basic understanding for the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, waves, sound and light, electricity and magnetism, and nuclear physics.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Physics B - MV |
This is the second course in a two-course sequence. Students will continue their study of physics by using text, graphics, interactive simulations, Gizmos, and instructional videos to investigate waves, sound, light, electricity, circuits, nuclear, and modern physics. Prerequisites: Physics A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Physics B - OW |
Physics is intended to provide a more in-depth study of the physical universe. In preceding years students should have developed a basic understanding for the macroscopic and microscopic world of forces, motion, waves, light, and electricity. The physics course will expand upon that prior knowledge and further develop both. The curriculum will also seek to teach the symbolic and mathematical world of formulas and symbols used in physics. The major concepts covered are kinematics, forces and motion, work and energy, waves, sound and light, electricity and magnetism, and nuclear physics.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Civics - MV |
This one-semester course prepares students for informed and responsible participation as citizens in the American representative system. Students deepen their awareness of the values expressed in the Declaration of Independence, the Constitution, and other foundational documents of the United States. Students learn the purposes and structures of government within the American federal system. Students gain a deeper understanding of the role of the United States in its relations with other nations. Students also learn how citizens exert influence on public affairs and decisions. By participating in this course, students are better prepared to exercise the rights and responsibilities of American citizenship.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Civics - OW |
Government focuses on American and international governments. Students will learn about the history of governments, the characteristics of the United States government, political parties, and voting. These areas of focus target two major content strands: History, and Government and Citizenship.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Economics - MV |
This course is designed to provide an overview of the ways that economics affects the lives of individuals and how individuals, through their economic choices, can shape their world. This one-semester course provides an overview of the basic principles of microeconomics and macroeconomics, including: a) economic theory; b) supply, demand and price; c) economic systems; d) business cycles; e) investments; f) the role of government, g) international trade; and h) consumer choices. Students will also apply the principles of this course to issues related to personal finance.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Economics - OW |
Students will examine the basic principles of economics, as well as investigate the effect those principles have on every aspect of society. Lessons and projects encourage students to examine a variety of problems from the viewpoint of an economist. They will be completing formal and informal writing using research, while also incorporating media and technology. Economics teaches real life skills that students will be able to apply to their lives every day.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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Integrated American History and Literature A - OW |
This literature-based history class integrates the study of American history with English for high school students: a two-for-one approach that fulfills requirements for both English and social studies in one class. Students will study the period of American History from Reconstruction to Present Day. Complete coverage of English 10A standards will support and enhance this material with fiction and non-fiction readings as well as information, analytic and creative writing. Recommended for 10th-grade students to complete the US History A and English 10 A course requirements simultaneously. This course will be co-taught by an English teacher and a Social Studies teacher and takes up two schedule spots (1.0 credit course).

High School | Essential | First Semester | MMC | Platform: Odysseyware

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Integrated American History and Literature B - OW |
This literature-based history class integrates the study of American history with English for high school students: a "two-for-one" approach that fulfills requirements for both English and social studies in one class. Students will study the period of American History from Reconstruction to Present Day. Complete coverage of English 10B standards will support and enhance this material with fiction and non-fiction readings as well as information, analytic and creative writing. Recommended for 10th grade students to complete the US History B and English 10B course requirements simultaneously. This course will be co-taught by an English teacher and a Social Studies teacher and takes up two schedule spots (1.0 credit course).

High School | Essential | Second Semester | MMC | Platform: Odysseyware

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US History A - OW |
U.S. History Reconstruction to Present examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the twentieth century.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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US History and Geography A - MV |
This is the first course of a two-course sequence. The purpose of U.S. history instruction is to foster civic-mindedness, global awareness, and social responsibility. Historical knowledge can empower the development of American citizenship values, active participation, and informed decision-making based on critical inquiry and analysis.. Assignments include short-form free response essays, primary document analysis, and investigative projects. Students will develop social studies-specific skills, including chronological reasoning, historical interpretation of perspective, inquiry, causal thinking, and argumentation.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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US History and Geography B - MV |
This is the second course of a two-course sequence. The purpose of U.S. history instruction is to foster civic-mindedness, global awareness, and social responsibility. Historical knowledge can empower the development of American citizenship values, active participation, and informed decision-making based on critical inquiry and analysis. Assignments include short-form free response essays, primary document analysis, and investigative projects. Students will develop social studies-specific skills, including chronological reasoning, historical interpretation of perspective, inquiry, causal thinking, and argumentation. Prerequisites: U.S. History and Geography A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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US History B - OW |
U.S. History Reconstruction to Present examines American history from the Civil War to the present day, placing special emphasis on the major political, economic, and social movements of the twentieth century.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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World History A - OW |
World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. Students will study such topics as ancient civilizations, empires, exploration, the world wars, and globalization.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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World History and Geography A - MV | 

This course is the first course of a two-course sequence offering a comparative study of how and why economic, social, political and intellectual factors shaped and defined the history of Western and non-Western civilizations in the ancient, medieval, and early modern eras. This course also incorporates a geographical perspective to help students visualize, comprehend, and ask questions about why the human and physical systems occur in particular patterns and combinations, where they are on Earth's surface, why they are there, and the consequences for people and the environment. This course has been designed to align with the principles of the State of Michigan's High School Social Studies Content Standards and Expectations.

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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World History and Geography B - MV | 

This course is the second course of a two-course sequence offering a comparative study of how and why selected economic, social, political, and intellectual revolutions of the modern world have transformed and shaped contemporary European and non-Western cultures. This course also incorporates a geographical perspective to help students visualize, comprehend, and ask questions about why the human and physical systems occur in particular patterns and combinations, where they are on Earth's surface, why they are there, and the consequences for people and the environment. This course has been designed to align with the principles of the State of Michigan's High School Social Studies Content Standards and Expectations and the Common Core State Standards. Prerequisites: World History and Geography A

High School | Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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World History B - OW | 

World History explores the people, events, and ideas that have shaped history from the beginnings of human society to the present day. Students will study such topics as ancient civilizations, empires, exploration, the world wars, and globalization.

High School | Essential | First or Second Semester | MMC | Platform: Odysseyware

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High School

Non-Essential Virtual Course Descriptions

A/V Technology and Film Careers - OW | 

This course discusses careers in audio/visual (A/V) technology and film, and provides students with background about the required skills, education, equipment, and technology in this industry. Students will understand the collaborative team effort of many different professionals who make films, videos, audio, and TV programming. The course begins with an introduction to the history and development of A/V technology and film, with subsequent units focusing on specific sectors of the industry and the stages for producing film and media. The concluding unit focuses on the finishing stages for exhibition, distribution, and reaching a market. In addition, the course will provide information about many different careers that are available to students who are interested in A/V technology and film.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Adulting 101 - GLVP | 

This course will focus on life skills that every young person needs to be independent, including personal finance, basic mechanical skills, personal care, communication, first aid, and more. Students will learn to problem solve and personally advocate for themselves. They will complete virtual projects after conducting real world scenarios of various skills. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | First or Second Semester | Platform: Moodle

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Advanced Programming: Game Design and Animation - MV | 

Students completing the Game Design: Animation and Simulation course will gain an understanding of the fundamental principles used at every stage of the game creation process. First, game genres and modes of play are explored in terms of the psychology of incentives, motivation to play, and social networking. Next, virtual characters and non-player characters are reviewed from concept drawing to 2D and 3D art, rigging, and animation. Next, level design, storytelling, and animation are added to develop a virtual world around the characters. These same techniques are at work in training simulator systems, virtual shopping experiences, augmented reality, and a number of other important career options. In addition to writing computer code, students should also expect to engage in drawing, illustration, storytelling and character development in the course of utilizing game design and animation technology. Prerequisites: Game Design is an advanced programming course that assumes that students have already successfully completed previous coursework introducing them to computer science principles and programming languages. Students should have previously completed at least two semesters of one or more of the following courses or their equivalents: Foundations of Programming, Intro to Java, Advanced Web Design: Javascript, AP Computer Science A, or AP Computer Science Principles.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Advanced Web Design: Java Script - MV | 

JavaScript is one of the 3 languages all web developers must learn (HTML, CSS, JavaScript). In this course, students will learn how to start programming with JavaScript. Students will learn the basics of JavaScript including testing, functions, objects, arrays, loops, conditional code, operators and syntax basics. Students will learn timing and animations, and how to debug. The class will conclude with a robust project that incorporates everything they learned in the semester. Students should have a working knowledge of HTML and CSS prior to taking this course. Prerequisites: Completion of both (1) Basic Web Design: HTML and CSS; (2) Foundations of Programming, Intro to Java, or an equivalent introductory computer science programming course.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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AP Computer Science A - MV | 

This course is aligned to the Advanced Placement curriculum for Computer Science A. AP Computer Science is a college level computer course covering the applications of computing within the context of programming methodology, algorithms, and data structures. The Java computer language which is a free download for either a Macintosh or a Windows platform. This course requires a proctored mid-term and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | NCAA | Platform: Michigan Virtual

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AP Computer Science B - MV |

This course is aligned to the Advanced Placement curriculum for Computer Science A. AP Computer Science is a college level computer course covering the applications of computing within the context of programming methodology, algorithms, and data structures. The Java computer language which is a free download for either a Macintosh or a Windows platform. This course requires a proctored mid-term and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | NCAA | Platform: Michigan Virtual

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AP World History B - MV |

This Advanced Placement World History course is commensurate with an introductory college-level course. The course focuses on developing greater understanding of the processes, contacts, interactions, and ideas that have shaped the world, with an emphasis on non-Western history. The course meets the guidelines outlined in the College Board's AP World History Curriculum Framework and incorporates changes required for course content and the AP World History Exam. The course relies heavily on readings and primary source materials. A special emphasis is placed on historical writing through expository essays, in both short- and long-answer form, and document-based questions. The scope and rigor of this AP World History course will offer students the knowledge and skills required for success on the College Board AP World History Exam in May. It will prepare students for success in college and beyond by developing critical and analytical thinking skills. Students receive rigorous practice in note-taking, assessing sources, making inferences, drawing conclusions, conducting research, and communicating information. This AP World History course includes 12 units of instruction delivered across two semesters and includes high-quality instructional experiences. Most materials are delivered electronically. Students explore history topics, engage in virtual discussions with peers and teachers, and attend synchronous sessions. The course offers a wide variety of instructional activities, including debates, simulations, a mock trial, and research assignments. Assessments occur at regular intervals to monitor learning progress. They are designed to prepare students for the AP World History Exam with multiple-choice questions, short-answer essay questions, document-based essay questions, and long-answer essay questions that measure student skills with assessing continuity and change-over-time, comparison, causation, and periodization. First semester topics range from the development of human history in prehistoric times through the Enlightenment. Second semester topics cover the rise of the Ottoman Empire to the present. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Are You a Future Entrepreneur, Manufacturer or Inventor? - GLVP |

In this virtual course, students will learn the basics of product development, designing for manufacturer and cost analysis for profitability through specific projects. This class will walk you through the basic steps it takes to go from a concept to a final product. Students will learn to use a 3D printer, CO2 laser cutter, epoxy mold, CAD software (Computer Aided Design) and other resources including a brief introduction to CNC manufacturing. We will cover the use of various technologies to rapidly prototype projects, as well as how to test, perfect, and market a product/business model. There will be optional opportunities to meet local business owners. This course will also include opportunities to hear from various local businesses, community resources and elected officials. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Basic Web Design: HTML and CSS - MV |

How to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programing languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Build and Program Your Own Computer II High - GLVP |
In this course, students will continue to build on their Python programming foundation and incorporate electrical circuits into their programming projects. They will program Minecraft games that use real-world sensors from Piper's Sensor Explorer Pack which includes an ultrasonic sensor, a color sensor, and a temperature sensor. In addition, students will build and program their own controller using Piper's Beta Command Center. We will continue with the Turing Tumble to learn more about Binary Numbers and Boolean Logic, as well as covering a range of new programming topics such as classes, inheritance, dictionaries, arrays, reading/writing to files, and more! Students will be expected to properly document their code and will learn more about reading other people's code; they will practice using and modifying pre-written programs to get a better understanding of jobs in software development and computer science. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Digital Arts - OW |
Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Digital Information Technology A - MV |
Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your strengths and how they relate to different career paths. IT Careers & Microsoft Office.com

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Digital Information Technology B - MV |
Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your strengths and how they relate to different career paths. Office.com and Intro to Web Design

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Engineering and Design - OW |
Engineering and Design is part of the STEM (Science, Technology, Engineering, and Mathematics) education and career path. By building real-world problem-solving and critical thinking skills, students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students will also address how fluid power is used by engineers to make difficult maneuvers easier, increasing efficiency and minimizing effects on the environment. Students then identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Engineering and Innovation - OW |
The Engineering and Innovation course will provide students with an understanding of the field of engineering and introduction to the concepts of invention and innovation, as well as some of the skills and tools necessary to invent and innovate. This information will provide students with the ability to invent and innovate in their field of choice. Students will learn details about the scope and nature of the field of engineering. They will also learn about the history of invention and innovation and how those activities play a role in the advancement of human society. Students will be introduced to patents, regulations, and ethical and professional standards that apply in the fields of engineering and invention. Students will also learn about analytical modeling and problem solving, interpreting the results of models and experiments, and understanding how bias impacts outcomes. In addition, students will learn about innovations and inventions in the fields of biomedicine and the environment and how those fields have impacted the health and well-being of society. Lastly, students will learn about career choices and organizations and resources available for individuals who wish to incorporate invention and innovation into their careers and live.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Engineering and Product Dev. - OW |
This course provides an overview of the concepts of product engineering and development. Students will analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course will provide information about the different careers available to students interested in engineering, product development, and project management.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Experiencing Arts and Technology High - GLVP |
The course is designed to explore many areas of study in an educational, fun and often hands-on manner. Students will have the option to join a variety of field trip opportunities. This course delivers content/lessons relating to each specific field experience. Students are required to complete content whether or not they attend each field trip. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | First and/or Second Semester | Platform: Moodle

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Foundations of Programming A - MV |
Do you want to learn the skills required to be competitive in today's high tech workforce? Foundations of Programming (FoP) will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field. Prerequisites: Knowledge of computer fundamentals

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Foundations of Programming B - MV |
Do you want to learn the skills required to be competitive in today's high tech workforce? Foundations of Programming (FoP) will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field. Prerequisites: Foundations of Programming A

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Intro to Computer Science A - OW |
This full-year high school course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can affect the world. Students engage with hands-on learning opportunities to create computer programs, develop web pages, design mobile apps, and write algorithms. Offered in 1st semester only

High School | Non-Essential | First Semester | Platform: Odysseyware

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Intro to Computer Science B - OW | 

This full-year high school course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can affect the world. Students engage with hands-on learning opportunities to create computer programs, develop web pages, design mobile apps, and write algorithms. Prerequisite: Intro to Computer Science A

High School | Non-Essential | Second Semester | Platform: Odysseyware

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Introduction to STEM - OW | 

This course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students will be introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students will explore some of the great discoveries and innovations in STEM and review and analyze some of the world's problems that still exist today. Students are introduced to several computer applications used to analyze and present technical or scientific information. They will also gain a higher understanding of the uses for images and measurement in everyday life. Finally, students will explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students will have the opportunity to discover their strengths through practical applications and awareness of the various STEM careers.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Java Programming A - MV | 

This course is the first of two segments that provide the beginning programmer with a guide to developing applications using the Java programming language. Java is popular among professional programmers because it can be used to build visually interesting graphical user interface (GUI) and Web-based applications. Java also provides an excellent environment for the beginning programmer—a student can quickly build useful programs while learning the basics of structured and object-oriented programming techniques.

High School | Non-Essential | First Semester | Platform: Michigan Virtual

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Java Programming B - MV | 

This course is the second of two segments that provide the beginning programmer with a guide to developing applications using the Java programming language. Java is popular among professional programmers because it can be used to build visually interesting graphical user interface (GUI) and Web-based applications. Java also provides an excellent environment for the beginning programmer—a student can quickly build useful programs while learning the basics of structured and object-oriented programming techniques. Prerequisite: Java Programming A

High School | Non-Essential | Second Semester | Platform: Michigan Virtual

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Power, Structural, Technical Systems - OW | 

Students will understand the technological innovations that have contributed to changing the face of agriculture. Computers and other technological tools have given farmers the ability to utilize precision agriculture. Students will gain an understanding of the professional career opportunities and responsibilities of growers across the country. Additionally, students can learn about some of the resources available to professionals in the agriculture industry.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Principles of Technology & Engineering - OW |

The Principles of Technology and Engineering course will introduce students to the field of engineering and the types of technology that can result from the engineering design process. Student will also gain an understanding of the career options available in this field, and the skills, education, and experience needed to obtain these careers. Students will learn how to be successful problem solvers. They will become familiar with the steps in the invention process and will investigate the ways in which engineers take an idea from an initial concept to a working technology. They will learn about real-world examples of engineering innovations, including global civil engineering projects, cutting-edge medical technology, and environmentally friendly designs. Students will also learn about the relationship between engineering, science, and technology. They will learn how scientific knowledge is applied to create technology that benefits society. Additionally, students will learn how design modifications can be made based on an analysis of the underlying principles from physics, chemistry, biology, and the earth sciences.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Procedural Programming - MV |

Do you want to learn higher-level coding skills? This course teaches advanced programming concepts using the computer language Python. You will learn techniques and processes associated with computer programming and software development. This is the third course in a three course sequence--Digital Information Technology, Foundations of Programming, and Procedural Programming make up the Web Application and Development Program of Study. Prerequisites: Digital Information Technology and Foundations of Programming

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Reverse Engineering High - GLVP |

This reverse engineering class will focus on how to safely use tools to take apart items like: computers, appliances, machinery, musical instruments, motorcycles and automobiles. We will look at how to understand more about the way things work by breaking them down into their basic components, and even touch on how to modify and repair common issues in some items. We will include opportunities for local business owners to assist in demonstrating basic skills, using various hand tools, and power tools. We will emphasize safety and proper use of tools to deconstruct items and see how things are built. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

STEM and Problem Solving - OW |

Science, technology, engineering, and math (STEM) are active components in the real world. This course will outline how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students will learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems. Advanced problem-solving skills are necessary in all science, technology, engineering, and math disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Technology and Research - OW |

This semester-long course uses the topic of technology as a way to help students develop fundamental knowledge of the steps in the research process. During the course, students learn how new technology is developed and evaluate ways that technology affects society. Students learn about the development of the personal computer, robots, blogs, and wikis. They learn research and writing skills such as how to evaluate scientific journal articles, how to write an abstract, and how and when to use different online sources.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Wilderness Survival and Adventuring High - GLVP |

Students will learn the basics and beyond of survival -- from identifying and preparing edible plants, to starting a fire, tying knots, basic first-aid, and rappelling. They will also learn to use a map and compass, track animals, and more! We'll learn about how some of these techniques started out and developed over time, and hear from experts in the field on how to safely survive outdoors. For an example of topic expectations: when learning to make rope and bow strings, students will first learn the basic principles of using synthetic fibers and peeling apart types of organic rope. Then, we?ll learn to forage for, harvest, and prepare types of cambium (inner tree bark), weeds and shrubs. Students will learn the reverse wrap method to quickly make a length of cord, and compare and contrast the various attributes of cordage with each type of fiber used, including strength, flexibility, pliability, and ease/difficulty to obtain said fibers in various seasons and climates. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Accounting A - MV |

This is the first course in a two-semester Accounting course sequence. Accounting A is a skill-level course that is of value to all students, whether exploring a career in business or for personal financial needs. Accounting A is an essential course for students who are pursuing a strong background in business, marketing, and management. This course covers the complete accounting cycle for a proprietorship, along with journalizing and posting transactions. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Accounting B - MV |

This is the second course in a two-semester Accounting course sequence. This course is a continuation of Accounting A. In Accounting B, students will expand their knowledge of accounting procedures by working within the structure of a corporation. Competency will be exhibited in completing payroll taxes and reports, special journals and other financial statements. Prerequisites: Accounting A

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Agribusiness Systems - OW |

Agribusiness Systems is a semester-length high school elective that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Nearly 16 percent of total U.S. employment and 14 percent of the U.S. gross domestic product can be attributed to agribusiness systems, which means agriculture, food, and natural resources play a pivotal role in the economic success of our nation. Students will learn about the components of the agribusiness system and how they interact to deliver food to our tables. They will also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Banking Service Careers - OW |

Banking and financial services are the backbone of everything that we do in society. Without the banking industry, consumers would have no safe place to deposit their money and there would be no standard currency used within the United States. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans. This course will focus on the specific skills related to banking and related services. In addition, you will explore career paths and the required training or higher education preparation necessary to obtain a career in banking and related services. Also, you will gain an understanding of the basic functions of customer transactions, cash drawer activity, check collection processes, and other customer service related transactions. This course will also discuss how technology has changed the banking and related services industry. Finally, this course will provide an overview of the technical and people skills necessary to aid consumers with setting up an account, processing a loan, or establishing a business.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Business Computer Info Systems - OW |
BCIS is a high school elective that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: - communication skills - business technology - word processing applications - spreadsheet applications - database applications - telecommunications technology - desktop publishing technology - presentation technology - computer networks - computer operating systems

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Business Ethics - MV |
Sometimes choices between right and wrong are obvious. But what happens when you're faced with a situation that's not so clear-cut? In this course, students will learn to anticipate and address ethical dilemmas that come up in a business setting. They will examine how humans have understood ethics over the years and what matters most in the business world today. Students will investigate actual scenarios and apply all they've learned to address these complicated ethical dilemmas. By the end, students will have developed their ability to work through challenging situations using their own moral imagination. Students will also have a variety of role models, lessons learned from ethical scandals, and ethical skills to draw upon when they face these challenges in real life.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Business Law - OW |
This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students will then be introduced to the types of businesses that can be created to engage in commerce as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated will also be reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts that can affect business will be discussed to get a better sense of what it means to "go global" with a business. Consumer and environmental protections will be explained as well as bankruptcy options, should a business go insolvent. Lastly, no business exists without experiencing some kind of dispute or another, and so we will review the options that exist for dispute resolution and alternative dispute resolution to provide a better understanding of how best to deal with such matters. *This course is recommended for upperclassmen.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Careers in Marketing Research - OW |
Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. This course will provide information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Election in Action - GLVP |
The course will be an interactive study of the American election process applied to the 2020 election caucuses, primaries, and the unique American Electoral College major political party histories and present operating structures way delegates are selected for state and national conventions way the students could become delegates to those conventions purpose of political platforms and their role in the election biography and political path of each major candidate current political ads which are running with logical analysis importance of participation and pragmatism as well as theory political process of compromise and how it impacts elections post-election analysis and understanding of decisions made the importance of a family's participation in politics election night drama and its political aftermath.

High School | Non-Essential | First Semester | Platform: Moodle

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Entrepreneurship - MV | 

Ever wonder what it takes to own your own business, be your own boss and write your own paycheck? Entrepreneurship helps students examine their readiness and passion for such an undertaking. Students will learn what entrepreneurship is all about, develop a business idea, conduct a feasibility analysis, identify their primary customer, learn about financing a business and write a business plan. They will also learn about how to manage their business, including the hiring process, operations, inventory controls, and production management. The final step will be developing their strategic plan for the future to help bring their entrepreneurial dreams to reality.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Essentials of Business - OW | 

This semester-long course is an introduction to the goals, processes, and operations of business enterprises for students. The main focus is on the functions that a company whether a multinational corporation or a corner grocery store must manage effectively to be successful. These include accounting, finance, human resource management, marketing, operations management, and strategic planning. Attention is also given to the legal environment in which businesses operate, and the importance of business ethics and corporate citizenship.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Food and Beverage Management - OW | 

This introductory Food & Beverage Management course is designed as an overview to prepare students for F & B core courses and to introduce them to specialty areas. Students will learn the basics of food service management and operations with an emphasis on the fundamental values of hospitality and responsible management. We will examine where the industry began, current best practices, and future trends. Students will gain knowledge of and understand how the correct blend of hard skills (food and beverage management principles) and soft skills (providing exceptional guest service) can maximize profits in the hospitality industry. Additional topics will include menu planning and pricing, types of service styles, food and beverage marketing, facility design and layout, financial controls, sanitation, safety, ethics, and legal concerns. We will also identify opportunities and career paths for those interested in the food & beverage industry.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Food Products and Processing Systems - OW | 

Food product systems include global and local marketing of whole and processed foods. The course investigates the economic, environmental, and nutritional benefits of the food students are eating in a series of hands-on projects that supplement the studies and assessments. Health concerns and best practices in quality assurance, inspections, and labeling are reviewed. Students learn how dietary guidelines are made and how they change with the latest research. Students track their own food intake and dietary ratios and research ingredients, processing procedures, and safe handling practices to increase their consumer awareness of food products.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Hospitality & Tourism: Traveling Globe - MV | 

With greater disposable income and more opportunities for business travel, people are traversing the globe in glowing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Intro to Consumer Services - OW | 

In this introductory Consumer Services course, students analyze various career paths in terms of employment opportunities. We will discuss educational requirements, including applicable hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills will be key components. This course is designed as an overview to prepare students for a consumer services-related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students will gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Lodging Operations Management - OW | 

This course introduces students to hotel management. Students taking this course briefly review the history of the lodging industry, and place contemporary hotels in a larger context of the hospitality industry. They then study hotels from several different angles: vision and mission, organizational structures, and the structure and functions of different divisions within the hotel. The course emphasizes the rooms divisions, and addresses how it relates to food and beverage, sales and marketing, hospitality, and security divisions. In the process, students get a chance to research and/or observe a number of hotels and hotel divisions in action. As a result, this course is valuable to students planning a career in hotel management, especially those interested in front office operations. It is also useful to any student interested in the hospitality industry or business in general.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Marketing and Sales for Tourism and Hospitality - OW | 

This course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students will be introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques, and public relations to maximize profits in a hospitality organization is addressed. Students will have an opportunity to explore this multi-faceted world, identifying multiple career paths and opportunities.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Office 2010 Apps 1: Word, PP, Publisher - OW | 

Office 2010 Applications I is a semester-length, high school elective that explores the use of application skills in Microsoft, Word, Publisher, and PowerPoint 2010. Students will use these applications to design, develop, create, edit, and share business documents, publications, and presentations. This course provides key knowledge and skills in the following Microsoft Office applications: Microsoft Word: Students are provided with an introduction to advanced skills in Microsoft Word that range from simply developing an understanding of the various uses of Word to more complex explorations of mail merge, tab stops, reference resources, and additional features available in backstage view. Microsoft Publisher: Students learn to create publications, insert and edit publication items, and view, review, and share those publications. Microsoft PowerPoint: Students will learn how to create presentations, enter and modify content, modify and deliver presentations, and collaborate and share PowerPoint presentations.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Office 2010 Apps 2: Excel, Access - OW | 

Office Applications II is a semester-length, high school elective course that explores the use of application skills in Microsoft Excel, and Microsoft Access. Students will use these applications to design, develop, create, edit, and share business spreadsheet and database documents. This course provides key knowledge and skills in the following areas: 1. Introduction to advanced skills in Microsoft Excel ranging from basic spreadsheet terminology to exploring data entry, formatting, formulas, functions, charts, graphics, and additional features available in backstage view 2. Skills in Microsoft Access, ranging from basic relational database terminology to creating and modifying tables, forms, queries, and reports

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Office 2013 Apps 1: Word, PP, Publisher - OW | 

Office 2013 Applications I is a semester-length, high school elective that explores the use of application skills in Microsoft Word, Publisher, and PowerPoint 2013. Students will use these applications to design, develop, create, edit, and share business documents, publications, and presentations. This course provides key knowledge and skills in the following Microsoft Office applications: 1. Microsoft Word: Students are provided with an introduction to advanced skills in Microsoft Word that range from simply developing an understanding of the various uses of Word to more complex explorations of mail merge, tab stops, reference resources, and additional features available in backstage view. 2. Microsoft Publisher: Students learn to create publications, insert and edit publication items, and view, review, and share those publications. 3. Microsoft PowerPoint: Students will learn how to create presentations, enter and modify content, modify and deliver presentations, and collaborate and share PowerPoint presentations.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Office 2013 Apps 2: Excel, Access - OW | 

Office 2013 Applications II is a semester-length, high school elective course that explores the use of application skills in the 2013 versions of Microsoft Excel and Microsoft Access. Students will use these applications to design, develop, create, edit, and share business spreadsheet and database documents. This course provides key knowledge and skills in the following areas: 1. Introduction to advanced skills in Microsoft Excel ranging from basic spreadsheet terminology to exploring data entry, formatting, formulas, functions, charts, graphics, and additional features available in backstage view 2. Skills in Microsoft Access, ranging

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Planning Meetings/Special Events - OW | 

This course is designed as an introduction to the study of planning meetings and special events. Being a meetings and special events planner is both demanding and rewarding. The Bureau of Labor Statistics projects this profession will grow by 43.7 percent between 2010 and 2020. It's not all fun and parties, though. In 2012, CareerCast ranked being an event planner as the sixth most stressful job, with soldiers and firefighters holding the top two positions. That's because a meeting coordinator is responsible for every detail of an event. Planners must know how to communicate, be empathetic, and think of their clients. It's crucial to remember that in some instances the event will be a once-in-a-lifetime occasion, so it's important to get it right.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Principles of Business and Finance - OW | 

This course will introduce students to the fundamental structure of the American economy, the complexities of the global economy, and the principles, practices, and strategies associated with starting, managing, or simply working for a business. Through a combination of lessons and projects, students will trace a trajectory of their potential role in the American economy as consumers, laborers, and executives. With lessons on everything from marketing to writing formal business correspondence, from the basic structures and legal definitions of business to the operations and importance of financial institutions, students will emerge from this course with a thorough introductory understanding of the business world. Students will perform research, conduct interviews, and write papers on various topics designed to enrich their understanding of the American business environment. They will also navigate an interactive and creative project that spans the length of the course and asks students to engage their learning, imaginations and individual career motivation with the course material.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Small Business Entrepreneurship - OW | 

This semester-long course is designed to provide the skills needed to effectively organize, develop, create, and manage your own business, while exposing you to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, you will be given the chance to see what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. You will become familiar with the traits and characteristics that are found in successful entrepreneurs, and you will see how research, planning, operations, and regulations can affect small businesses. You will learn how to develop plans for having effective business management and marketing strategies. Small Business Entrepreneurship will teach you basic principles of entrepreneurship and business ethics. You'll look at the major steps relevant to starting a new business. These steps include financing, marketing, and managing. Knowing how to analyze a business plan will help you develop one, while at the same time making it easier for you to understand the reasons businesses have to write one. Small Business Entrepreneurship is designed to give you an overview on running a business from start to finish.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Sports and Entertainment Marketing - MV| ☆ | 💻
Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then, believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well-known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Sustainable Service Management Hospitality Tourism - OW | 💻
This comprehensive course will cover the principles and practices of sustainable service management. The purpose of this course is to provide students with an understanding of socially, environmentally, and financially sustainable hospitality management. The course will provide a sustainable approach to service management, incorporating the role of the customer, employee, leaders, and the environment. After successful completion of this course, students will understand and be able to explain the fundamentals of sustainability in the hospitality industry.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Technology and Business A - OW | 💻
Technology and Business is a year-long, high school elective that teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex wordprocessing documents, spreadsheets with charts and graphs, database files, and electronic presentations. This course provides key knowledge and skills in the following areas: 1. Emerging Technologies 2. Operating Systems 3. Word Processing 4. Spreadsheets 5. Databases 6. Communication Skills 7. Telecommunications 8. Electronic Presentations 9. Computer Networks 10. Project Management

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Technology and Business B - OW | 💻
Technology and Business is a year-long, high school elective that teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex wordprocessing documents, spreadsheets with charts and graphs, database files, and electronic presentations. This course provides key knowledge and skills in the following areas: 1. Emerging Technologies 2. Operating Systems 3. Word Processing 4. Spreadsheets 5. Databases 6. Communication Skills 7. Telecommunications 8. Electronic Presentations 9. Computer Networks 10. Project Management

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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ACT Test Prep - OW | 💻
Don't worry! After this course, you will have all the information you need to register, study for, and hopefully do well on the ACT.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Career and College Readiness - GLVP| ☆ | 💻
Students will focus on topics relevant to college and career success. Academic and personal goal setting, accessing and improving on study skills needed for continued education. Students will also be aligning individual assessments with Career Clusters, research and exploring careers, and will ask students to job shadow. All post-secondary options will be explored including college searching, the college application process, and financial aid. Additionally, students will develop their career readiness and employability skills with resume creation and interview experience.

High School | Non-Essential | First or Second Semester | Platform: Moodle

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Career Management - OW| ☆ **|**

Career management is a semester-length high school elective course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including - communication - leadership - teamwork - decision-making - problem solving - goal setting - time management Students will complete activities that help identify personal interests, aptitudes, and learning styles. Students will use results of self-assessments to determining careers that may prove personally satisfying. This course is recommended for 8th-10th graders.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Career Planning - MV |

This course provides a basic overview of career planning concepts. It gives students the opportunity to learn about, explore and reflect on various career opportunities based on Michigan's six Career Pathways.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Careers in Logistics Planning Mgmt - OW |

This course discusses careers in Logistics Planning and Management Services, and provides students with the history of logistics and recent advances in the field. Logistics is a high-growth industry, and is a stable career choice. There is something for every career-seeker, ability, and experience level. The objective of this course is to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Careers: Find your Future - MV| ☆ **|**

This course is designed to guide students through the process of exploring and choosing potential career pathways. Students will engage in self-exploration activities such as skills and interests assessments and apply what they learn to the process of choosing a career. Course features include an exploration of post-secondary educational options and requirements, informational interview and job shadowing experiences, as well as problem solving and goal setting activities. This student-centered course focuses on helping students get to know themselves so they can find the future that's right for them! Instead of a final exam, students will complete an end-of-course project. To complete this project students will use the assignments in each unit to help them begin to develop an Educational Development Plan (EDP). An Educational Development Plan is designed to help students identify their career and educational goals as they relate to academic requirements. An EDP is a way for students to document their progress toward career and educational goals. If students have already started an EDP at their schools, they can use this final project to update it with the most current information about their career and educational goals. Prerequisites: 8th Grade Reading Level Best for 8-10 graders.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Construction Careers - OW |

This course in Construction Technology introduces students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students will learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students will learn that there is no way to be successful in construction without taking such issues seriously. Toward this end, the lessons also explore regulatory agencies and guidelines established for the purpose of protecting not only construction workers but also the occupants of a building

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Early College Capstone A - GLVP |

This is the first semester of a two semester culminating course required for Grade 13 Early College students. Students will successfully demonstrate college readiness by completing college applications, possessing a solid understanding of financial aid, completing the (FAFSA) Free Application for Federal Student Aid and scholarship applications. In addition, students will learn life readiness skills that prepare them to launch independently after Grade 13.

High School | Non-Essential | First Semester | Platform: Moodle

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Early College Capstone B - GLVP |
This is the second semester of a two semester culminating course required for Grade 13 Early College students. Students will successfully demonstrate career readiness by creating a live resume that they know how to continually update and edit, understand employability and career openings in their projected graduation year, understand the importance of professional networking and trusted mentors and meet with a career specialist. In addition, students will learn life readiness skills that prepare them to launch independently after Grade 13.

High School | Non-Essential | Second Semester | Platform: Moodle

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Employability Skills - MV |
This is a one-semester course designed to teach students how they can make a difference in the workplace based on their behavior. In addition, students will learn how to effectively address problems that might arise in the workplace. Central to any employee's growth is the understanding that he or she is part of a working community that includes employers, employees, and customers or clients. Special responsibilities and commitments come with being employed. Each employee must learn to embrace these responsibilities if he or she is to succeed at work. On the practical level, employees need to know how to do well on the job and how to keep the job. Early training in building conscientious work habits will stand employees in good stead for the rest of their working lives. It also forges links between their willingness to accept responsibility for their actions and the rewards they get for developing a sense of responsibility.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Family and Community Services - OW |
This course introduces applications within professions related to Family and Community Services. You will identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. You will develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. You will also complete a variety of projects to apply your skills and knowledge. The course begins by introducing you to Family and Community Services, associated careers, and general requirements. The first unit requires you to investigate the skills required for many professions, including effective communication and critical thinking. The remaining units are divided among career fields. Each chapter begins with a lesson that discusses the general role of the professionals, their required skills and knowledge, educational requirements, employment opportunities, and salaries

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Food Safety and Sanitation - OW |
This comprehensive course will cover the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. The course will provide a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students will be prepared to meet the requirements of state and national certification exams.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Architecture and Construction - OW |
The goal of this course is to provide students with an overview of careers in Architecture and Construction in order to assist with informed career decisions. This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment. The built environment is not limited to buildings and structures or to urban environments. A much broader view of the built environment helps students gain a better and more holistic understanding of the impact of the Architecture and Construction industries. The built environment encompasses all zones of human activity from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. The interrelated components that make up the built environment are as varied and unique as the professionals who help shape it.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Arts, A/V Tech and Communications - OW |
This introductory course provides comprehensive information on five separate areas of arts and communications as potential educational and career pathways. Students who are interested in careers across a broad spectrum of professional positions, including fine artist, telecommunications administrator, magazine editor, broadcast journalist, or computer graphics artist, will gain useful perspective on industry terminology, technology, work environment, job outlook, and guiding principles.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Education and Training - OW |
Introduction to Careers in Education and Training will introduce students to the field of education and training, and the opportunities available for early-childhood care, primary school, secondary school, higher education, vocational training, and adult and continuing education. The students will gain an understanding of the career options available in teaching, administrative work, and support services. They will also explore the education and background experience needed to succeed in these careers. Students will learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They will also discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children. Students will learn about the skills needed to be effective communicators. They will also learn how to differentiate between different types of learning theories, and they will explore how to implement current principles from educational psychology into the classroom. Students will also learn how to create a safe and healthy learning environment. They will discover the federal laws and agencies that set health-and-safety standards, and they will learn how these regulations are enforced in the workplace. The objective of this course is to introduce the student to the field of education and training, and to explain the career opportunities that are available in this field.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Finance - OW |
Introduction to Careers in Finance provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Unit 1 introduces the financial services industry and the financial systems that operate in the US and internationally. Unit 2 examines securities markets and investment companies, looks at how companies evaluate and mitigate risk, and discusses the valuation of stocks and bonds. Unit 3 discusses the roles and responsibilities of corporate finance and accounting, analysis of financial statements, capital budgeting, and capital structure. Unit 4 focuses on banking services, including how the industry is organized and regulated and how risks are managed. Unit 5 looks at the insurance industry, including how it is organized and regulated, how it addresses risks, and the career opportunities it offers.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Govt. and Public Admin. - OW |
This course will provide students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students will learn about the foundations of the U.S. government, the separation of powers, the federal civil service system, and the relationship between the government and state and local officials. They will also learn about governmental powers of the states and of local governments, such as education, law enforcement, and transportation. Students will learn about politics in the United States and the electoral process, political attitudes and opinions, and American political parties. They will also learn about the structure of U.S. federal governmental institutions, the nature of bureaucracy, and the functions of the executive, legislative, and judicial branches of government. Students will also learn about policy making in American government, including discussions of foreign and defense policies. After completing this course, students will have a fundamental understanding of U.S. government and public administration. They will be able to explain the history and structure of the government, how the government functions and relates to state and local governments, and how the government creates and enforces public policies.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Health Science - OW |
This course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. When students complete the course, they will be able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Manufacturing - OW |
The goal of the Introduction to Careers in Manufacturing course is to open students' eyes to the job and career opportunities that are available in manufacturing. Upon completion, students should have a better understanding of the manufacturing environment and of the work possibilities it presents.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Marketing Research - OW |
Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. This course will provide information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Careers in Transportation, Distribution, Logistics - OW |
This course is intended to introduce students to the complicated world of commercial transportation. This area of commerce is becoming increasingly complex and sophisticated, with work and career openings available at all levels of education. Most people, however, see only fragments of the big picture. Transportation is among the most crucial and defining elements of modern commerce. The ability to move people and goods from place to place requires vast investments of technology, and of manpower. Without that investment, almost all aspects of modern life would grind to a halt.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Human Growth and Dev. - OW |
This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. This course is important because it gives the student a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death. They will understand how people in the helping professions interact with each other and how continued growth in this sector can give them flexibility, good pay, and high job satisfaction.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Intro to Human Services - OW |
This course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students will learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require only a two-year Associate of Arts degree. At the apex of the profession, being a psychiatrist brings the most prestige and the biggest salary, but only after many years of school and training. Students will learn exactly what the human services are and the ethics and philosophies of the helping professions. The history of the profession will be covered, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance. By the conclusion of this course, students will have a firm introductory understanding of the social services professions. Employment at all levels of social work and related jobs is projected to grow rapidly over the next decade. Students will have a better idea of whether this is a career course they would like to explore further.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Leadership Skills Development - MV |
Winner of the highly coveted CODiE award for innovation, vision and industry impact, Leadership Skills Development equips teenagers with leadership skills they can use to build confidence and prepare for college. Students learn critical skills such as goal setting, time management, developing their brand, negotiations and even complete a service project that positively impacts their community. The course principles were developed by Mawi Asgedom, an Ethiopian refugee who became a Harvard University graduate. This course has assisted 75-90% of students in improving their grades, skills and confidence.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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National Security Careers - OW |
This course discusses careers in national security. It provides you with the history, background, and recent advances in this field. Millions of people work in national security positions, from military enlisted personnel, writers, politicians, photographers, and law enforcement personnel to agents, investigators, scientists, and administrative personnel. Just about any career you can imagine is available in national security.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Nursing: Unlimited Possibilities - OW| ☆ |
This course provides students opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this course, students will have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Personal Care Services - OW |
This course in Personal Care Services introduces students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The course teaches students about what each career entails and the education and training they will need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they should learn and whether they would like to learn it.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Physicians, Pharmacists, Dentists, Vets - OW |
In this course, we will focus on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). In order to help you to best choose your career path, we will study different roles, responsibilities, settings, education needs and amounts of patient contact. We will look at things like the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Practical Public Speaking - GLVP |

Skillful public speaking is a great predictor of success vocationally and relationally. This class will teach the core principles of public speaking as well as prepare students for real situations in life where effective public speaking is needed. Students will learn how to make the following speeches: toast at a reception, personal introduction, award presentation, impromptu, informative, demonstration, persuasive, and others. Students will learn how to organize, outline, and deliver speeches, learning that preparation and experience are the keys to speaking with confidence. Students will be graded mainly on the thoroughness of their preparation and their ability to be clear and poised. A speech syllabus will be given to each student for use in class and beyond. The importance of nonverbal communication (eyes, pacing, pauses, facial expression, etc.) will also be emphasized. Specific help will be provided to combat and prevent stage fright. Weekly participation is highly recommended and encouraged in order to achieve the lifelong benefits from this class. This virtual course delivers engaging, assignments, fun activities and quizzes.

High School | Non-Essential | Second Semester | Platform: Moodle

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PSAT/SAT/ACT Test Prep - GLVP |

Standardized tests like the PSAT, SAT, and ACT are frightening experiences for most students. The course will help the student to develop key skills that will boost a student's ability to score well on these tests. Students will learn keys to quick reading comprehension and word usage analysis. Students will learn vocabulary frequently used on the PSAT, SAT, and ACT and some practical strategies will be given. Students will be assisted in actually taking sections of past tests in timed settings so that the stress of timed test-taking in a competitive environment is reduced significantly. In this arena, confidence building is as important as content building! In the game of standardized test taking, confidence is the essential edge. Practice and experience guarantee increased confidence. This virtual course delivers engaging assignments, research, forums and/or discussions and quizzes.

High School | Non-Essential | First Semester | Platform: Moodle

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Teaching and Training Careers - OW |

This course introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and highquality.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Therapeutics: Restoring and Maintaining Wellness - OW |

This course focuses on careers that help restore and maintain mobility, physical, and mental health. Careers include physical therapists, physical therapy assistants, occupational therapeutic technicians, art therapist, neuro therapists, vocational rehabilitation counselors, and registered dental hygienists. Each career is explored in-depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to health careers. This course is important because skilled health care workers are in high demand and expected to remain so for the foreseeable future. The unprecedented growth in this field is due to an aging population with more chronic conditions, new technology that has saved and lengthened lives, and increased demand for high-tech services. Students who take this course will come away with a broad perspective of the myriad career opportunities in health care today. They will understand how people in different health care professions interact with each other, and how significant expected growth in the industry can give them flexibility, good pay, and high job satisfaction.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Transportation and Tours for Traveler - OW |

During this course, students will learn about the package tour industry today, the travel industry professionals, and the package tour customers. Students will find out who tour operators must work with to create travel products and what kinds of decisions they must make in terms of meal, lodging, attractions, and, of course, transportation. You will read about how a tour operator plans and markets a tour and discover what happens before the tour, during the tour, and after the tour. Finally, students will learn about how technology, events such as 9/11 and the global recession, and increased environmental awareness are affecting the travel industry today. By focusing on all the different components that go into creating a tour, you will be able to get a sense of what working for a tour operator entails as well as what other careers are available in the tour industry.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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AP English Language Composition A - MV | 

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP English Language Composition B - MV | 

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP English Literature Composition A - MV | 

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP English Literature Composition B - MV | 

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Composition (Advanced) - MV | 

This is the second course in a two-course sequence. In this course, students will study and become proficient in the use of the writing process. Students will also learn several grammar concepts that involve sentence structure, punctuation, and usage. In addition, they will learn about essay structure and organization through the development of five common types of essays: process analysis, definition, narrative, comparison/contrast, and classification and division.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Composition (Beginning) - MV | 

This is the first course in a two-course sequence. In this course, students will study and become proficient in the use of the writing process. Students will also learn several grammar concepts that involve sentence structure, punctuation, and usage. In addition, they will learn about essay structure and organization through the development of five common types of essays: process analysis, definition, narrative, comparison/contrast, and classification and division.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Essentials Communication (Speech) - OW | 

The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students can use the course to gain and apply knowledge about communication theories, characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking in order to interact more effectively with others.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Journalism (Advanced) - MV | 

Advanced Journalism is designed for students who took the Journalism course through Michigan Virtual and would like to extend their knowledge of journalism concepts by exploring different mediums, like design and broadcasting, and delving deeper into concepts introduced before, such as investigative reporting and in-depth feature writing. Your first task is to explore what it takes to contribute successfully to a news outlet, whether it be print or broadcasting. Then you will learn about design concepts and design your own website, which will serve as a portfolio for your work. Then we will explore other avenues of journalism, such as opinion writing, broadcasting, investigative reporting, in-depth features, and alternative story forms. For each of these unit assignments, you will have the opportunity to edit and be edited by your classmates as if you were writing for a professional publication. We will also discuss as a class current events articles of your choosing so that we can stay in touch with the world and learn to critically think about the source and information provided, so you will become a more informed news consumer.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Journalism (Introduction) - MV | 

Thomas Jefferson once said, were it left to me to decide whether we should have a government without newspapers or newspapers without a government, I should not hesitate a moment to prefer the latter. The Founding Fathers believed strongly in a free press, which is why they included it prominently in the First Amendment of the Constitution. This course will not only explore the historical role of journalism in the development of our country, but also how journalists must ethically approach their duties in order to maintain the public trust. You will also learn the basic principles of how to report, interview, and write like a journalist by analyzing and covering news, feature, and sports stories. You will also examine how social media has changed the options available for reporters covering the news.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Mythology & Folklore - MV|  **|**

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Reading for College Success - MV|  **|** 

How will reading affect a student's future? How does reading shape the world around us? This course helps students answer these questions and prepare for college and career success. Reading is a vital skill in the information age, when we are bombarded with a constant stream of information. Being able to determine and comprehend the main ideas in this constant flow is imperative to success both in the academic world and in the world of work. Learning to discern fact from opinion and bias from objectivity will empower students to make better life and work decisions, while effective note taking and summarizing skills help students achieve their goals in higher education and in the career of their choosing.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Time4Writing High - TW | 

Time4Writing is an online writing course designed to empower young writers and is supervised by a Gull Lake certified teacher. The high school courses consist of cumulative computer-based lessons, quizzes, and writing assignments and are designed to supplement any core language arts program. Students will build their writing skills in areas such as grammar, sentences, and essays. The curriculum is delivered virtually, and assignments are reviewed by the teacher. A percentage score and feedback are provided to the student by the teacher. The teacher will be available to meet in person. Courses available include: mechanics, paragraphs, essays, and research papers.

High School | Non-Essential | First or Second Semester | Platform: Time4Writing

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World Literature - MV | 

What is culture and how has it been conveyed through literature? This course will take students on a journey of self-discovery and cultural awareness by reading literature that tells the stories from various perspectives around the world. Students will strive to recognize the similarities and differences in literature and culture by looking at certain time periods, geographical areas, and themes. The course will involve reading, writing, discussion, critical thinking, and self-discovery as students explore the world through words.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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3D Art and Artists - High - GLVP | 

Students will dive into three-dimensional art techniques and artists who create 3D art that will inspire you! Ceramics, sculpture, glass art, metalwork and recycled art will be some of the topics. This course delivers engaging virtual content, research assignments, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

American Art High - GLVP | 

What is American Art and what makes it unique? This high school class will look at the roots of American art- how it developed, who are the artists? This course delivers engaging virtual content, research assignments, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

AP Art History A - MV | 

This course is aligned to the Advanced Placement curriculum for Art History. Students will examine major forms of artistic expression from the past and present and from a variety of cultures and will learn to look at these works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Schools must supply a proctor for the midterm and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | Platform: Michigan Virtual

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AP Art History B - MV |
This course is aligned to the Advanced Placement curriculum for Art History. Students will examine major forms of artistic expression from the past and present and from a variety of cultures and will learn to look at these works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Schools must supply a proctor for the midterm and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | Platform: Michigan Virtual

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Applied Art-High - GLVP |
High school students will learn how to see art in a different way as they take a deeper look at the elements of art and principles of design. They will develop a better understanding of how the elements of art: line, shape, color, value, texture, form and space create the principles of design: balance, contrast, emphasis, movement, pattern, rhythm and unity in their own artwork, as well as the artwork of other artists. Each unit will include: 1. Definition of the Element of Art or Principle of Design. 2. How is it used in art? 3. Examples/suggested project 4. Reflection question. This course delivers virtual content, assignments, quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Art Appreciation High - GLVP |
Students in high school will take a more in-depth look at a variety of artists, as well as important art movements. What makes a work of art great and why? Discover what was going on in a culture or society when the artwork was produced that may have influenced the art style. Each unit will include: 1. An important artist, art style or art movement. 2. Examples of art 3. Why is the artist unique or the art movement important? 4. Reflection question. This virtual course delivers engaging content, assignments, and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Art History A - OW |
Students will develop knowledge of the history and theory of art and the relationship between artist, artwork, and society, including researching and critiquing periods, styles, and works of art from early civilizations through modern and contemporary art. Additionally, students will complete extended, focused projects that will challenge their research, writing, and analysis skills. Students will conduct an in-depth examination of art history, beginning with prehistoric art and ending with the Romantic era of the early nineteenth century; students will understand the impact that historical and cultural context has on art, and will closely examine specific visual examples of key concepts.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Art History B - OW |
Students will develop knowledge of the history and theory of art and the relationship between artist, artwork, and society, including researching and critiquing periods, styles, and works of art from early civilizations through modern and contemporary art. Additionally, students will complete extended, focused projects that will challenge their research, writing, and analysis skills. Students will continue an advanced exploration of art history, beginning with early photography and ending with contemporary art, including art from cultures and countries around the world; students will complete research and writing projects to demonstrate their learning of key ideas.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Digital Photography - MV |

Learn how to communicate through graphics and digital photography. In this class, you will focus on the basics of camera operation, exposure, image control, picture composition, photo enhancement, and photo manipulation. This course discusses digital and traditional film photography, design, graphic arts, and electronic communication through discussions and mock-ups. You will complete photography projects which demonstrate techniques such as portraiture, composition, landscapes, architecture, wildlife, and nature. It is STRONGLY recommended that you use a digital camera for this course to complete all required assignments. If you choose to use a cell phone for this course, you will also need to access a photo editing application that permits users to apply settings that can generally be applied within menus typical of DSLR cameras. Note: This course does not focus on how to use specific photo editing software, but rather on the characteristics of various forms of photographic art and techniques used to achieve such artwork. Therefore, students should be prepared to use their camera and software editing tools or plan to learn and experiment with their use on their own while completing course activities.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Film Studies: American Film Survey - MV |

American Film Survey is an exciting journey through what is arguably this country's most influential and beloved art form: cinema. Among the classic film genres examined are film noir, western, comedy, military, epic, psychological drama and independent film. Through viewing, theory and written critique, the student follows the evolution of cinema within the context of our culture and history. Prominent directors and actors both contemporary and past are also highlighted. The culmination of this course prepares the student for more advanced film studies, promotes the development of written expression and analysis and encourages critical thinking with regard to the relationship between popular art and society.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Let's Make Art High - GLVP |

There are many different ways that art can be made. This high school class will explore more advanced techniques and media. Students will understand how different art materials can be used in creative ways, and this knowledge can be applied to their projects. Each unit will include: 1. Explain an art technique (media) 2. Information or background about the art materials. This virtual course delivers engaging assignments, activities and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Let's Paint-High - GLVP |

Students will continue to learn about more advanced painting concepts and techniques (watercolor, tempera, and acrylic, oil), painting supplies, painting styles, famous painters and painting genres. Genres will include landscapes, still life, portrait and history paintings. Color theory will also be introduced. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Visual Art Comprehension I - MV |

Building on the educational outcomes of Visual Arts in elementary and middle school education, high school art prepares students for personal development in the arts through the construction of a body of work that may be instrumental in admission to higher education within the visual and media arts. The Visual Arts Comprehensive I course introduces art history, art criticism, aesthetic judgment, and studio production. Emphasizing the ability to understand and use the elements of art and principles of design through a variety of media, processes, and visual resources, students follow projects from the ideation and planning stages all the way through production, exhibition, and critical self-reflection. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Art and Methods of Dance-High - GLVP |
The art of dance involves many things: positioning, maintaining a healthy body, muscle memory, posture, etc. In this course, students will learn the main positions in dance, how to keep their body dance ready, and about muscle memory. Students will watch videos so they can practice through demonstration. No matter which form of dance they choose, students will benefit from this course because it is stemmed from the foundations of dance. Objectives: 1. Explain the proper positions in dance. 2. Describe how to maintain a healthy dance body. 3. Describe muscle memory, what is it and the importance of maintaining muscle memory. This virtual course delivers engaging content, assignments and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Dancing from A-Z High - GLVP |
Terms, terms, and more terms! Dance is filled with unique terms. In this virtual course, students will advance their learning in a multitude of dance terms across dance genres. Learning terms includes watching the moves be performed. This virtual course delivers fun, engaging lessons, assignments, and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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The Art of Dance-High - GLVP |
In this course, students will advance their learning in a variety of dances from around the world. In this course, students will also learn about the region of the dance. Basic geography, food, and culture for each region will be included. Students will be challenged to discern which dance(s) helped create the dance form they are studying. This virtual course delivers lessons, assignments, research and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Applied Music High - MF |
This interactive virtual course is designed for a high school student to personalize their study of music by focusing on developing a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that expands and develops their theoretical and practical music knowledge. Virtual assignments include world music, scales, sight reading, ear training, musical terms and concepts, composition and a digital portfolio of their work.

High School | Non-Essential | Full Year | Platform: MusicFirst

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Ensemble Musician High - MF |
This interactive virtual course is designed for the high school student who has an interest in ensembles. The class will focus on developing aspects of concepts such as learning how to be an effective member of an ensemble or group, developing an understanding of ensemble playing, building musical relationships and rapport with others in the ensemble, and learning about different types of ensembles and instrument combinations. This course delivers fun, engaging content, ensemble listening reflections, along with other activities such as an introduction to world instruments, sight reading, ear training, music notation, and a digital portfolio of their work.

High School | Non-Essential | Full Year | Platform: MusicFirst

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Guitar 1A - MV |
Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Guitar 1B - MV |

Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation. Prerequisites: Completion of Guitar 1A or equivalent prior experience.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Music Appreciation - OW |

Students will build a strong foundation of knowledge focused on basic musical elements and the development and growth of classical music, and will acquire a greater appreciation of music. Additionally, students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments, learn the names and backgrounds of several famous musical composers, and learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Music Appreciation - MV |

In this course students will travel back in time to learn some musical basics and history. In the first three units, students will learn about basics of musical ideas, notation, and instruments. In the remaining 5 units, students will learn about important musical ideas and people from the Ancient Times to the 20th Century. Students will be guided through a series of activities, lessons, and assessments that teach them to identify and think about music in a way they may not have previously thought to do.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Music Capstone-Pending |

Pending - Advanced high school music students who have unique circumstances may sign up for this independent study course to develop their skills and abilities under the direct regular supervision of the certified music teacher. The student and teacher will work together to decide on the plan of action for the course, including objectives, goals, and demonstration of competency. A final project, performance, or portfolio will be a requirement to earn credit for this course. Music department approval required to register. Corequisite: GLVP Applied Music or GLHS Fine Arts.

High School | Non-Essential | Full Year | MMC

Music Explorations High - MF |

This interactive course is designed for a high school student looking to further develop their personalized study of music by focusing on a specific instrument or voice. Applied Music is a prerequisite for this course, although they may be taken simultaneously. The student, in concert with their teacher, will craft a personalized learning plan that expands their theoretical and practical musical knowledge. Students will complete weekly online assignments including basic music theory, a digital portfolio, ear training, sight reading, notation and composition. Each student is expected to dedicate practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | Platform: MusicFirst

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Music Theory (Odysseyware) - OW |

Music Theory is a full-year fine arts elective for high school students. The course requires no prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts: rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, transposition. Ear training exercises are interspersed with the bones of composition technique, building the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students' ability to perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas. Grades 9-12.

High School | Non-Essential | Full Year | Platform: Odysseyware

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Riveting Reads - GLVP |

This course will study in depth six classic novels. We will study the life and times of the authors and the significance of their works. We will find lessons we can learn from the characters in the books and the choices they make. We will discuss and learn to appreciate how literary techniques are used in each of the books we study. Each student will receive a study guide for each book we read as well as a syllabus of literary terms. We will identify and learn literary terms such as allusion, flashback, foreshadowing irony, local color, symbolism, hyperbole, mood, tone, theme, plot, satire, and others. The students will all benefit from the discussion with each other, and they will become confident in their own analysis of the works! This is one of the best preparations for college and for standardized tests like the ACT, PSAT, and SAT. If you want your student to become friends with classic works of literature and renowned authors and have his/her appetite whetted for reading great works of literature, then this is the class for you! (Novels read are A Tale of Two Cities, Silas Marner, Cyrano de Bergerac, The Count of Monte Cristo, The Old Man and the Sea, and To Kill a Mockingbird) This virtual course delivers engaging assignments, research, activities and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Writings from the Heartland - GLVP |

This is an exploration of American writings from the early colonial days to the present. We will trace our literary roots through early journals and poetry, Poor Richard's Almanack, American folklore, tall tales, regional humor, Edgar Allan Poe's stories and poems, and early short story writers. After the Civil War, we will study postwar protest, Mark Twain, local colorists and regionalists, and the new styles of writing in the twentieth century. We will learn to appreciate diverse writers and the connection of our history and our literature. We will read and study together three American novels: The Scarlet Letter by Nathaniel Hawthorne, The Adventures of Huckleberry Finn by Mark Twain, and The Giver by Lois Lowry. We will study timelines and learn to evaluate poetry, stories, and novels in the light of the historical context. This virtual course delivers engaging lessons, research assignments and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

AP Calculus AB - A - MV |

The course is aligned to the Advanced Placement curriculum for Calculus AB and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Calculus AB - B - MV |

The course is aligned to the Advanced Placement curriculum for Calculus AB and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Calculus BC - A - MV |

The course is aligned to the Advanced Placement curriculum for Calculus BC and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. AP Calculus BC covers the same topics as AP Calculus AB plus additional ones. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Calculus BC- B - MV |

The course is aligned to the Advanced Placement curriculum for Calculus BC and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. AP Calculus BC covers the same topics as AP Calculus AB plus additional ones. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Statistics A - MV |

This Advanced Placement course follows the AP guidelines set for by the College Board and offers a combination of assessment and instruction in an online environment containing but not limited to the areas of exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and using statistical inference to analyze data and draw conclusions.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Statistics B - MV |

This Advanced Placement course follows the AP guidelines set for by the College Board and offers a combination of assessment and instruction in an online environment containing but not limited to the areas of exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and using statistical inference to analyze data and draw conclusions.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Consumer Math A - OW |

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Consumer Math B - OW |

Consumer Math is an introduction to the many ways in which math can be used in everyday life. The course gives practical advice on how to handle situations that involve money and math principles. Consumer Math focuses on the basic skills and methods of arithmetic and provides students the opportunity to develop experience with algebraic techniques of evaluating variables and equations, including geometric formulas and interest equations. Students will also be introduced to topics in statistics.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Coordinate Algebra - OW | 

Coordinate Algebra is a full-year mathematics course intended for high school students who have successfully completed general mathematics for grade 8 or pre-algebra. This course focuses on complex operations of integers and variables while incorporating algebraic techniques and methods in order to develop student understanding of mathematical expressions, and concepts involving linear, quadratic, exponential and polynomial functions. Coordinate Algebra also integrates statistical theory with computational practices as well as to include coordinate geometry and geometric concepts, theorems and skills. Students are exposed to several branches of mathematics and will explore ways in which each one can be used as a mathematical model in understanding the world.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Essentials of Mathematics - OW | 

Essentials of Mathematics is intended for students currently working behind grade-level mathematics. The purpose of the course is to teach fundamental math skills that will serve as building blocks for future mathematics courses.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Math for College Success - AL|  **|** 

Math for College Success is a course designed to help students prepare to College Algebra. The instructor administers an initial placement assessment. Based on the results, the instructor designs an individualized curriculum to meet the needs of each student. Throughout the course, the instructor will assign numerous additional assessments to re-direct each student on his/her individualized curriculum. The instructor will also give individualized instruction. The ALEKS curriculum will be used for this course. Students may enroll in this course for more than one semester.

High School | Non-Essential | First or Second Semester | MMC | Platform: ALEKS

Mathematics in the Workplace - MV | 

This applied math skills course is designed to introduce students to the basic math skills required for employment in Michigan's 6 Career Pathways. Students will refresh their basic math skills, such as quantity, money, time, measurement, proportions and percentages, and averages, and apply these skills to solve real-life, mathematical word problems. In addition, students will explore sample careers in each of the six Michigan Career Pathways and complete scenario-based, workplace problems.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Mathematics of Baseball - MV | 

Baseball is a game of numbers on the field and off. Every run, hit and error has been carefully recorded for more than 100 years. Drawing on this wealth of statistics, this course uses mathematics to explore the history of our National Pastime. The course uses basic and applied mathematics skills including mean, median, mode, graphs (line graphs, bar graphs, pie graphs, and scatter plots), ratios and proportions, conversions, scale drawings and spreadsheets. The baseball topics include reviewing the history, statistics, base running, coaching decisions, biographies of Hall of Fame inductees and field design. This course was developed using the resources of the National Baseball Hall of Fame in Cooperstown, New York. Prerequisites: Middle School Math

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Mathematics of Personal Finance - MV|  **|**

In this course, students will explore the mathematics concepts and processes associated with personal finance and improve their basic math skills.

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Personal Financial Literacy - OW |
Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Pre-Calculus A - MV |
This course is the first in a two-course sequence and builds on student understanding of functions and mathematical models of real-world phenomena. Course material is presented in four ways: graphically, algebraically, numerically and verbally. The course contains units on functions and math models, periodic functions and right triangles, applications of trigonometric and circular functions, trigonometric function properties, identities, and parametric functions, properties of combined sinusoids, and properties of elementary functions. Students enrolled in Pre-Calculus A should not enroll in Trigonometry. Prerequisites: Algebra 2 and Geometry

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Pre-Calculus A - OW |
This course builds on student understanding of functions and mathematical models of real-world phenomena. Course material is presented in four ways: graphically, algebraically, numerically and verbally. The course contains units on functions and math models, periodic functions and right triangles, applications of trigonometric and circular functions, trigonometric function properties, identities, and parametric functions, properties of combined sinusoids, and properties of elementary functions. Students enrolled in Pre-Calculus A should not enroll in Trigonometry. Course material is presented in four ways: graphically, algebraically, numerically and verbally.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Pre-Calculus B - MV |
This course is the second in a two-course sequence and builds on student understanding of functions and mathematical models of real-world phenomena. Course material is presented in four ways: graphically, algebraically, numerically and verbally. Prerequisites: Pre-Calculus A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Pre-Calculus B - OW |
This course builds on student understanding of functions and mathematical models of real-world phenomena. Course material is presented in four ways: graphically, algebraically, numerically and verbally. The course contains units on functions and math models, periodic functions and right triangles, applications of trigonometric and circular functions, trigonometric function properties, identities, and parametric functions, properties of combined sinusoids, and properties of elementary functions. Students enrolled in Pre-Calculus A should not enroll in Trigonometry. Course material is presented in four ways: graphically, algebraically, numerically and verbally.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Probability & Statistics A - MV |
The goal of the course is to provide students with an overview of probability and statistics as well as serving as a fourth year math course.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Probability & Statistics B - MV |
The goal of the course is to provide students with an overview of probability and statistics as well as serving as a fourth year math course.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Trigonometry - MV | 

Students completing Trigonometry will gain valuable understanding into the world of triangles and develop skills to solve real world problems. Course material is presented in four ways: graphically, algebraically, numerically and verbally. Students enrolled in Trigonometry should not enroll in Pre-Calculus A.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Puzzles, Games and Logic High - GLVP | 

Learn strategy, logic, critical thinking, and problem-solving through games! We will use fun, educational, games to build critical thinking and tactics. This course will introduce a variety of topics in graph theory, logical deduction, pattern recognition, and theory of mind. Games used include Set, Clue, Bananagrams, Catan, Mastermind, and more. Virtual assignments have further puzzles and discussions related to the games we're exploring, reflection on which strategies work well and why, as well as bonus puzzles, riddles, and brain teasers. Students will analyze the games we cover -- including breaking down how the rules affect the optimal strategy, and how adding/removing rules affects game play. Students will then apply their skills to examine the strategy and rules of a game they choose; which will require reading, comprehension, reasoning, critical thinking, and problem solving skills. Students will then use the skills they've learned to examine the strategy and rules of a game they choose. This virtual course delivers engaging, assignments, fun activities and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Study Skills - MV|  **|** 

This course is designed to facilitate the strengthening of study skills and strategies to increase student's performance and success in an academic setting. Students will learn how to use their learning styles to tailor approaches to learning, process information more efficiently, manage time effectively, set clear and attainable goals, increase concentration, reduce stress and procrastination, read critically, take notes effectively, improve listening skills, and prepare for tests with a variety of question formats.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual

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Early Childhood Dev. and Services - OW | 

Early Childhood Development (ECD) is an introductory course offering a detailed overview of both developmental stages and areas of early childhood, and how early childhood education professionals provide optimal assistance during these important years of growth and learning. An examination of the history, theories, teaching models, research, and policies that grew with the advance of early childhood education, as well as an introduction to the achievements of many leaders in this field, provide students a thorough grounding in the science and practice of early childhood education. This course further provides students with keen insight into why these years are so important to the life of the child, what areas of physical, emotional, and cognitive development are manifested from birth through age five, and what developmentally appropriate practices are proving to be most effective.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Fencing High - GLVP | 

The focus of Advanced Fencing is to build on the skills taught in Beginner Fencing. Students will work to improve their skills in all three Olympic swords: foil, epee, and saber, while at the same time becoming more practiced in the competition system. Prerequisite: Beginner Fencing course. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Health Education - MV | 

The course is an interactive exploration of topics surrounding personal health and wellness. The focus of the course is to help students think deeply about issues and also to locate resources should the need for them ever arise. The CPR / AED module fulfills state requirements for delivery of instruction in cardiopulmonary resuscitation (CPR) and automated external defibrillators (AED).

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Health Education - OW |
Health Education is a health science elective course that introduces students to what good health is, why good health is important, and what students should do to achieve good health.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Health Education (Abstinence Only) - MV |
Health Education (Abstinence Only) is designed with a focus on abstinence only (no contraceptives). The course is an interactive exploration of topics surrounding personal health and wellness. The focus of the course is to help students think deeply about issues and also to locate resources should the need for them ever arise. The final exam for this course requires a password which the teacher will email to mentors the last few weeks of the course, or sooner upon request. The CPR / AED module fulfills state requirements for delivery of instruction in cardiopulmonary resuscitation (CPR) and automated external defibrillators (AED).

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Muscles and Movement Advanced - GLVP |
This virtual course will examine how anatomy plays a role in specific sports and daily fitness. The content will further expand knowledge on anatomy, locomotor skills, physiology, body awareness, etc. Students will have the opportunity to further explore a specific sport. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

High School | Non-Essential | Full Year | MMC | Platform: Moodle

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Personal Family Living - OW |
This semester-long high school elective takes students on an interactive exploration of the challenges they may face as they transition into adulthood, including constructive conflict resolution, nutrition and health, building healthy families, financial responsibility, and long-term employment.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Personal Fitness - MV |
Personal Fitness requires students to participate in weekly cardiovascular, flexibility and strength, and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. Personal Fitness is designed to give students the knowledge and desire to establish personal health and fitness programs. The course provides safe, challenging, and enjoyable activities that will allow students to assess and evaluate their lifestyles. Additionally, students will need to supply their own fitness equipment, including for measurement of distance (e.g., meter stick, tape measure), time (stopwatch or watch), and weight (scale), as well as training aids weight and resistance exercises (Note: Examples of household items that may serve these purposes are provided in the lesson instructions). Some activities may also require the assistance of another person. A final fitness test includes a one-mile run, sit-and-reach measures of flexibility, push-ups, pull-ups, curl-ups, and calculation of body mass index. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Personal Wellness Advanced - GLVP |
The high school course of Personal Wellness focuses on the direct correlation individual behaviors have on personal health. Students will analyze their overall health status through self assessment. Some topics include goal setting, creating a nutrition plan and developing a personal fitness regimen. In addition, students will learn strategies that improve their long-range wellness. This virtual course delivers engaging lessons, assignments, and fun activities.

High School | Non-Essential | Full Year | Platform: Moodle

Physical Education - OW| ★ | 💻
Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Physical Fitness - OW | 💻
Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long term exercise program.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Physical Fitness - OW | 💻
Physical Fitness is a semester-length elective designed for high school students. The course focuses on the health benefits of regular physical activity and of a long-term exercise program. As students work through the course, they will learn about the many aspects of physical fitness, including basic nutrition, the importance of flexibility, cardiovascular health, muscle and strength training, and realistic goal setting. Along the way, students will be required to maintain and submit an activity log in order to measure progress in course exercises, as well as in personal fitness goals.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Sports and Fitness Advanced - GLVP | 📍
This virtual high school course will advance students knowledge to the effects of exercise on the body. The content will further expand knowledge on proper principles and techniques necessary in designing an effective exercise program including nutrition and biomechanics. Rules, history and proper etiquette for various sports will also be learned. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application. This virtual course delivers engaging lessons, assignments, and fun activities.

High School | Non-Essential | Full Year | Platform: Moodle

Anatomy Physiology A - MV| ★ | 💻
This course is the first in a two-course sequence. This course presents a fascinating, in-depth exploration of the structure and function of the human body. The course will use a systems approach and will emphasize how organs and body systems work together to carry on complex processes. Concepts and principles will be related to familiar health issues, problems and experiences we face as humans. Upon completion of this course, students will have a thorough understanding of the human body and how its parts work together to maintain the delicate equilibrium of life. Prerequisites: Biology and Chemistry

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Anatomy Physiology B - MV| ★ | 💻
This course is the second in a two-course sequence. This course presents a fascinating, in-depth exploration of the structure and function of the human body. The course will use a systems approach and will emphasize how organs and body systems work together to carry on complex processes. Concepts and principles will be related to familiar health issues, problems and experiences we face as humans. Upon completion of this course, students will have a thorough understanding of the human body and how its parts work together to maintain the delicate equilibrium of life. Prerequisites: Anatomy and Physiology A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Animal Systems - OW |
The course provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. How the research translates to management practices is a vital area of study and discussion.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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AP Biology A - MV |
This course is aligned to the Advanced Placement curriculum for Biology. The course provides an overview of cell biology, evolution, genetics, ecology, as well as the structure and function of plant and animal systems. In AP Biology, students build the conceptual framework necessary to understand science as a process. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Biology B - MV |
This course is aligned to the Advanced Placement curriculum for Biology. The course provides an overview of cell biology, evolution, genetics, ecology, as well as the structure and function of plant and animal systems. In AP Biology, students build the conceptual framework necessary to understand science as a process. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Chemistry A - MV |
This course is a full year of AP Chemistry including inquiry-based wet lab experiences. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. [CR2] A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. Laboratory experiences are included within this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Chemistry B - MV |
This course is a full year of AP Chemistry including inquiry-based wet lab experiences. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. [CR2] A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. Laboratory experiences are included within this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Environmental Science A - MV |
AP Environmental Science is a course revolving around ecology, biology, and conservation. The impacts associated with human and animal activities such as pollution, overpopulation, and deforestation will be studied to give students a strong understanding of their role as citizens of the world. Laboratory and field experiences will be heavily stressed so that students may learn by interacting with the environment. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Environmental Science B - MV |
AP Environmental Science is a course revolving around ecology, biology, and conservation. The impacts associated with human and animal activities such as pollution, overpopulation, and deforestation will be studied to give students a strong understanding of their role as citizens of the world. Laboratory and field experiences will be heavily stressed so that students may learn by interacting with the environment. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Microeconomics - MV |
This single-semester course introduces students to the economic principles that apply to consumers and producers in an economic system and focuses on the nature and function of product markets, the study of factor markets and the role of government. Content in each lesson is presented in a variety of formats including a Textbook, videos and other internet resources. Students are given the ability to select from some, or all of these resources, based on their own learning preferences and needs. Regular practice opportunities allow students to gauge their understanding and preparedness before attempting graded quizzes and tests. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics 1A - MV |
AP Physics 1 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include Newtonian mechanics, work, energy, mechanical waves, sound, and simple circuits. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics 1B - MV |
AP Physics 1 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include Newtonian mechanics, work, energy, mechanical waves, sound, and simple circuits. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics 2A - MV |
AP Physics 2 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include fluids, thermodynamics, electrostatics, electric circuits, and magnetism. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics 2B - MV |
AP Physics 2 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include fluids, thermodynamics, electrostatics, electric circuits, and magnetism. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics C- A - MV |
This course is aligned to the Advanced Placement curriculum for Physics C and is the equivalent of the first semester of an introductory calculus-based college-level physics course for science and engineering majors. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Physics C- B - MV |
This course is aligned to the Advanced Placement curriculum for Physics C and is the equivalent of the first semester of an introductory calculus-based college-level physics course for science and engineering majors. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Astronomy - MV |
Astronomy provides a broad overview of all topics in astronomy for the beginner. The course provides a foundation to the science of astronomy including motions in the night sky and the tools of modern astronomy. It contains the most up-to-date science about our solar system, stars and galaxies. Astronomy also explores the exciting prospects for future discovery in astronomy including life in the universe and the mysteries that continue to perplex astronomers. The course provides an engaging combination of videos, interactive media, photo galleries and readings so that students can explore the content in a variety of ways. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Bioethics - MV| ☆ |
Bioethics is a rigorous, one-semester course designed to raise the consciousness of students regarding the social and ethical implications of life science, medicine and technology. This course is for 11th- and 12th-graders who are seeking improvement in their critical thinking skills. It is designed to create complex thinkers capable of using a variety of strategies and higher-order thinking skills appropriate to the resolution of highly controversial medical and technological dilemmas, including the use of animals in medical research and genetic engineering. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Earth Science A - MV |

This is the first session of a two-session course. Earth Science A is the study of the earth we live on, inside and out. Through various media, interactive web sites, video viewing and several hands-on lab activities, including the award-winning Smart Science labs, students will learn the content and be able to apply their knowledge to answer thought-provoking questions using scientific method and reasoning. The student will also learn how the content applies to them and how it affects their everyday lives. Students will also be doing a few hands-on experiments that will require minimum purchases and some adult supervision. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Earth Science A - OW |

Earth Science is a basic science course intended to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of the earth. It also covers forces that cause change on the earth and features of the earth including the crust, water, atmosphere, weather, and climate. Earth science wraps up with astronomy and a study of all the planets, the solar system, and galaxies. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity. Students at this level should show development in their understanding of scientific inquiry. Some of the units contain experiments and projects that seek to develop meaning and to actively engage the student concepts and scientific inquiry will serve to improve the student's skill and understanding.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Earth Science B - MV |

This is the second course in a two-course sequence. Earth Science offers a focused curriculum that explores Earth's composition, structure, processes and history; its atmosphere, freshwater and oceans; and its environment in space. Course topics include laying the groundwork; the movers and shakers; minerals and rocks; all the time in the world; and earth's resources. Prerequisites: Earth Science A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Earth Science B - OW |

Earth Science is a basic science course intended to further explore the designs and patterns of our planet. This course covers such areas as the origin, history, and structure of the earth. It also covers forces that cause change on the earth and features of the earth including the crust, water, atmosphere, weather, and climate. Earth science wraps up with astronomy and a study of all the planets, the solar system, and galaxies. The course strives to teach that each feature of the earth interacts with the others in many critical ways, and the study of these relationships is important to humanity.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Environmental Science A - MV |

This is the first course in a two-course sequence. The course focuses on an introduction to environmental science including understanding the importance of ecosystems, biodiversity, and natural resources. Factors that cause pollution, loss of biodiversity, and resource depletion within ecosystems are also introduced. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Environmental Science A - OW |
Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us. Students at this level should show development in their understanding of scientific inquiry. The course provides hands-on labs and research to aid in arriving at a deeper understanding of the environment and the impact of humans on it today and in the past. The labs will call upon students to analyze many different processes and systems, arrive at conclusions, and determine ways in which every person can positively influence the environment.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Environmental Science B - MV |
This is the second course in a two-course sequence. Water quality, water diversion, water pollution and water levels are important environmental issues that affect everyone in Michigan. Water is just one of the issues touched on in Environmental Science B. In this course, students will draw conclusions about various environmental issues, including soil and land issues, renewable and non-renewable energy sources, waste, toxicology, environmental health, greenhouse gasses, species extinction, and world population growth. Students will also research an environmental issue of interest. The final exam must be proctored. Prerequisites: Environmental Science A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Environmental Science B - OW |
Environmental Science is an interdisciplinary course covering a wide variety of topics including biology, physics, geology, ecology, chemistry, geography, astronomy, meteorology, oceanography, and engineering. The course also considers ways in which human populations affect our planet and its processes. Of special emphasis is the concept of sustainability as a means of using resources in a way that ensures they will always be around us. Students at this level should show development in their understanding of scientific inquiry. The course provides hands-on labs and research to aid in arriving at a deeper understanding of the environment and the impact of humans on it today and in the past. The labs will call upon students to analyze many different processes and systems, arrive at conclusions, and determine ways in which every person can positively influence the environment.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Environmental Service Systems - OW |
This semester-length, high school elective introduces students to career opportunities and educational pathways in a wide array of environmental fields. Students examine environmental legislation and regulations, government agencies and organizations, monitoring and testing methods and requirements. They discover the relationship between environmental regulations and careers, and study the issues, history, and current status of air and water quality, soil and atmospheric conditions. In an environmentally challenged world, ESS professionals are critically important. Job outlooks and salary scales reflect this need for educated, dedicated researchers, scientists, engineers, and others in the environmental service systems field.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Forensic Science - MV| ☆ **|**

This course provides students with a basic introduction to the field of forensic science. Students will discover the various roles and responsibilities associated with a career in forensics. Students will learn basic crime scene analysis skills used by investigators in both the field and lab. In addition, students will be given an overview of the various forms of evidence left by criminals at the scene of the crime as well as the opportunity to apply this knowledge to hypothetical situations. Special focus will be placed on real world application of the knowledge presented to allow students a chance to experience some of what forensic scientists experience on a daily basis. Please note: In some lessons, students will be asked to use household items to recreate the content in the lesson. In such cases, multiple options will be available in an attempt to accommodate the diverse situations of our students. Some examples of materials that may be needed could include but are not limited to, modeling clay, tape, hand tools, etc. Additionally, since this is an online course, students may be asked to provide documentation of their work to ensure authenticity. Typically, this is accomplished by having students provide a digital image of their work. Therefore, students will need to have access to a camera or some form of image capturing device (cell phone, webcam, etc.). Graphic content notification: Due to the nature of this course, some content may be disturbing to some students. Images of dead and decaying bodies, as well as content that involves murder cases, drug overdoses, and sexual assault will be addressed. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Forensics: Science to Solve Mystery - OW| ☆ **|**

This course is the overview of modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Modern-day forensic science practices have come into being thanks to the contribution of science and legal professions seeking ways to study crime scenes and criminal activities in an effort to stop crime. Of particular interest in this course are the various applications of medicine in the field of forensic science. This course identifies science concepts and critical thinking in the area of forensic science. Projects are assigned throughout the course that allow students to actively apply the information just learned. These projects include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Integrated Chem/Physics A - OW |

Integrated Physics and Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems both on screen and away from the computer.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Integrated Chem/Physics B - OW |

Integrated Physics and Chemistry is a physical science course designed for high school students needing an entry-level science course covering basic concepts found in chemistry and physics. Throughout the course, students will have opportunities to observe simulations, investigate ideas, and solve problems both on screen and away from the computer.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Introduction to Agriculture, Food, Natural Resources - OW |

This semester-length high school elective introduces students to the basic scientific principles of Agriculture and Natural Resources. Students will be recognizing and researching plant systems, animal systems, government policy, green technologies, agribusiness principles, and sustainability systems. In this course, students will apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students will also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Communicating the impact of green and sustainability principles on agriculture, food, and natural resource systems will also be taught through the course, and students will learn to recognize the social, health, environmental, and economic costs and benefits of renewable energy production (e.g., solar, wind, and biofuels) in comparison to nonrenewable energies (e.g., coal, oil, and natural gas). Analyzing energy usage, renewable energy options, and renewable materials options to promote sustainable practices across AFNR will also be part of the course, and students will learn to use "green" technologies and sustainability practices to maintain safe and healthful working environments that sustain the natural environment and promote well-being in the AFNR workplaces. Students will also demonstrate an understanding of "green" and sustainability trends that are influencing processes and markets in AFNR. Finally, students will apply adaptive ecosystem management to a common pool resource (e.g., an irrigation system or fishing grounds) problem in a manner that addresses ecological (data, models, concepts, understanding, and scientific responsibilities), socioeconomic (values, interests, information, assets, private sector responsibilities), and institutional (law, policies, authority, assets, public sector responsibilities) contexts.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Medical Terminology - MV|

This course is designed to introduce the student to the fundamentals of medical terminology. It includes word structure of basic medical/surgical terms and procedures, body parts and organs, selected medical specialties, and commonly used medical abbreviations. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Michigan Woods, Water, and Wildlife High - GLVP |

High School students will be introduced to a variety of natural places, plant-life, and organisms in Michigan. Students will observe, explore, and apply the knowledge of a variety of Michigan places, plant life, and organisms to methods for sustainable management of diverse resources as it relates to wildlife ecology, management, and conservation. This virtual course delivers engaging lessons, assignments, and fun activities.

High School | Non-Essential | Full Year | Platform: Moodle

Natural Resources Systems - OW |

People depend on natural resources. Regions, cultures, nations, and societies are shaped by how people use land, water, plants, and wildlife. The large and small ecosystems that make up the environment are complex. Each component of our ecosystem depends on another. The purpose of this course is to provide students with an overview of the planet's natural resource systems. Students will explore and develop a basic understanding of how the systems relate to one another. Students will consider the role people play in managing, using, protecting, and conserving natural resources. In addition, the course will provide information about many different careers that are available to students who are interested in natural resources and natural resource management.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Oceanography A - MV|

This is semester one of a two-semester course in Oceanography. Students receive an introduction to oceanography including the history of marine science, a discussion of the origin of life (including the Big Bang Theory) and its connection to the ocean, an exploration of the energy of life, and an introduction to ocean life including simple life, invertebrates, and vertebrates. Students explore these topics through a variety of content including an etextbook, videos, and interactives. Each lesson includes a quiz or assignment and each unit culminates in a unit project and unit test. Through the lesson assignments and unit projects, students will demonstrate their knowledge in a variety of ways including presentations, creative projects, hands-on activities, writing and more. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Oceanography B - MV|  **|** 

This is semester two of a two-semester course in Oceanography. Students continue the survey of Oceanography begun in Oceanography A course by exploring such topics as air and sea interaction, ocean currents, tides, ecosystems, ocean resources, pollution and conservation. Students explore these topics through a variety of content including an etextbook, videos, and interactives. Each lesson includes a quiz or assignment and each unit culminates in a unit project. Through the lesson assignments and unit projects, students will demonstrate their knowledge in a variety of ways including presentations, creative projects, hands-on activities, writing and more. Prerequisites: Oceanography A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Physical Science A - MV | 

This is the first semester of a two-semester course. This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Physical Science B - MV | 

This is the second semester of a two-semester course. This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives. Prerequisites: Physical Science A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Plant Systems - OW | 

Plant Systems is a semester-length high school elective that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students will learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Science and Math in the Real World - OW | 

Science and mathematics are part of the STEM (Science, Technology, Engineering, and Mathematics) multi-dimensional strategy that can effectively sustain our twenty-first century knowledge-based economy. STEM careers provide a wide variety of opportunities to understand and address global issues. The most pressing issues of this generation include overpopulation, environmental degradation, pollution, and global warming. These are all subjects of intense and dedicated research by STEM professionals in very diverse fields. In this course, students will focus on how to apply science and mathematics concepts to the development of plans, processes, and projects that address real world problems, including sustainability and green technologies. This course also highlights how science and mathematics and the applications of STEM will be impacted due to the development of a greener economy. The course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, and the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills and the application of the scientific method, and to work on real world problems using STEM approaches.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Scientific Discovery and Development - OW |
This course focuses on Laboratory Careers, in which students learn about more than two dozen jobs in laboratory science. Each lesson that covers careers describes, sometimes in great detail, what specific professionals do on the job. For each career students learn what is necessary in the areas of education and credentialing, and also will be able to have a good idea of the job outlook and salaries of these various professions. Students also learn quite a bit of science related to many of those careers as well as about the scientists and major breakthroughs that have brought us where we are today in laboratory science.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Scientific Research - OW |
The course Scientific Research describes these activities from the point of view of a professional scientist. While this inside look should appeal to students of all ages, the lessons provide support, accessible ideas, and specific language that does not dumb down the content but rather guide students at their own pace through most of the steps, insights, and experiences they would eventually face if they continue through higher education toward a graduate degree. On the other hand, knowing the practical, everyday basics of scientific thinking and laboratory activity could also serve as a necessary first step to a career as a technician or a lab assistant. While these jobs are hands-on and technical, the intellectual and historical background covered in the course provides an awareness that is essential to working in such an atmosphere.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Survey in Nature II High - GLVP |
This course is designed for a high school student to become familiar with scientific terminology and methods as they participate in scientific inquiry. Students will apply information learned to hands-on activities. Students will complete weekly assignments, as well as weekly quizzes and a comprehensive test each semester. A variety of topics from nature will be explored. Examples include body systems, forensic science, astronomy, and rocketry, as well as participation in science fair. This course is designed for students to learn about science in a fun and engaging way.

High School | Non-Essential | Full Year | Platform: Moodle

The Mind - High - GLVP |
Our mind is the place where we do our thinking. It is the place that allows us to experience the outside world, have emotions, solve problems, worry, dream and control our bodies. In this class students will learn about our minds and why we think feel and react to certain situations, for example why we sometimes experience a physical reaction to an emotional situation such as getting a stomach ache before a big presentation or game. We will investigate why humans think and act the way they do, the human brain, memory, personalities and thoughts. Students will learn about great thinkers such as B.F. Skinner, Sigmund Freud, Ivan Pavlov, Carl Jung and Erik Erickson and influential thought experiments such as the Skinner box, the salivating dog and the Rorschach test. This virtual course delivers engaging lessons, research assignments and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Veterinary Science: Animal Care - MV|
As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well being. Taking a look at the pets that live on our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times, we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Anthropology (Introduction) - MV|
The aim of anthropology is to use a broad approach to gain an understanding of the past, present, and future, as well as address the problems humans face in biological, social, and cultural life. This course will explore the evolution, similarity and diversity of mankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change or amazing innovation.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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AP Human Geography A - MV | 

In this college level course, students will systematically study the geographic patterns and processes that have shaped our understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences, and will also learn about the methods and tools geographers use in their science and practice. Students will prepare to take the College Board Advanced Placement Human Geography Examination and possibly receive college course credit. This course is rigorous, fast paced, and requires extensive reading and writing. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | NCAA | Platform: Michigan Virtual

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AP Human Geography B - MV | 

In this college level course, students will systematically study the geographic patterns and processes that have shaped our understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences, and will also learn about the methods and tools geographers use in their science and practice. Students will prepare to take the College Board Advanced Placement Human Geography Examination and possibly receive college course credit. This course is rigorous, fast paced, and requires extensive reading and writing. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | NCAA | Platform: Michigan Virtual

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AP Macroeconomics - MV | 

This single semester course introduces students to the economic principles that apply to an entire economic system and focuses on the study of national income and price-level determination as well introducing students to economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Content in each lesson is presented in a variety of formats including a Textbook, videos and other internet resources. Students are given the ability to select from some, or all of these resources, based on their own learning preferences and needs. Regular practice opportunities allow students to gauge their understanding and preparedness before attempting graded quizzes and tests. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Psychology A - MV | 

This course is designed to meet the expectations of the College Board. According to the College Board, The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course covers the following units: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, State of Consciousness, Learning, and Cognition. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | NCAA | Platform: Michigan Virtual

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AP Psychology B - MV | 

This course is designed to meet the expectations of the College Board. According to the College Board, The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course covers the following units: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, State of Consciousness, Learning, and Cognition. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | NCAA | Platform: Michigan Virtual

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AP US Govt and Politics - MV |

This one-semester course will give students an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Regular practice opportunities allow students to gauge their understanding and preparedness before attempting graded quizzes and tests. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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AP US History A - MV |

Advanced Placement U.S. History I is a college-level introductory course which examines the nation's political, diplomatic, intellectual, cultural, social, and economic history from 1491 to 1877. Students are challenged to see American history through a variety of historical themes while developing thinking skills that will help them contextualize specific periods of American history. A college level textbook is supplemented by primary and secondary sources throughout this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP US History B - MV |

Advanced Placement U.S. History I is a college-level introductory course which examines the nation's political, diplomatic, intellectual, cultural, social, and economic history from 1491 to 1877. Students are challenged to see American history through a variety of historical themes while developing thinking skills that will help them contextualize specific periods of American history. A college level textbook is supplemented by primary and secondary sources throughout this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP World History A - MV |

This Advanced Placement World History course is commensurate with an introductory college-level course. The course focuses on developing greater understanding of the processes, contacts, interactions, and ideas that have shaped the world, with an emphasis on non-Western history. This course meets the guidelines outlined in the College Board's AP World History Curriculum Framework and incorporates changes required for course content and the AP World History Exam. The course relies heavily on readings and primary source materials. A special emphasis is placed on historical writing through expository essays, in both short- and long-answer form, and document-based questions. The scope and rigor of this AP World History course will offer students the knowledge and skills required for success on the College Board AP World History Exam in May. It will prepare students for success in college and beyond by developing critical and analytical thinking skills. Students receive rigorous practice in note-taking, assessing sources, making inferences, drawing conclusions, conducting research, and communicating information. This AP World History course includes 12 units of instruction delivered across two semesters and includes high-quality instructional experiences. Most materials are delivered electronically. Students explore history topics, engage in virtual discussions with peers and teachers, and attend synchronous sessions. The course offers a wide variety of instructional activities, including debates, simulations, a mock trial, and research assignments. Assessments occur at regular intervals to monitor learning progress. They are designed to prepare students for the AP World History Exam with multiple-choice questions, short-answer essay questions, document-based essay questions, and long-answer essay questions that measure student skills with assessing continuity and change-over-time, comparison, causation, and periodization. First semester topics range from the development of human history in prehistoric times through the Enlightenment. Second semester topics cover the rise of the Ottoman Empire to the present. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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Archaeology: Detectives of Past - MV |

The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on these techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Civil War - OW |

You are about to embark on the fascinating history of the Civil War. It is a story of human choices that linked the past to the present and influenced the future. It is a drama of how one nation changed through times of conflict and cooperation. It is a tale of two children (the North and South) living under the same roof (The United States) and how they disagreed over the issues of states' rights and slavery.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Counseling/ Mental Health Services - OW |

This course introduces and exposes students to some topics, issues, and populations that are related to the counseling and mental health field. Students will first receive information about the history of the mental health system in the United States and about some common mental illnesses. They will then explore different counseling and mental health topics, populations, mental health needs of these populations, and workplace settings. This course will also introduce students to various careers in the mental health field. Some of the professions reviewed are, psychiatrists, psychologists, school counselors, social workers, social and human service assistants, dual diagnosis disorder counselors, recovery coaches, correctional counselors, forensic psychologists, crime victim advocates, geriatric psychiatrists, and recreational therapists. The roles, responsibilities, and duties of these workers along with the educational, licensure/certification, job outlook, and salaries of these professions are discussed. Lastly, the ethics and competencies important to these professions are presented.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Criminology - MV |

Criminology isn't about solving cases and catching perpetrators. Criminologists work to understand why crime happens in the first place. They also focus on how to prevent and address crime. As you go through this course, you'll be given a series of challenging situations that need the mindset of a criminologist to navigate successfully. The course will encourage you to analyze a range of criminal acts, from shoplifting to hate crimes. By the end, you'll have an opportunity to envision alternative strategies for dealing with crime in our society and in your own school environment in particular. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Good, Bad, Ugly! Supply and Demand - GLVP |

An enjoyable summative and simple look at classical fiscal principles as originally proposed by Henry Hazlitt in his essay/book. Attendees will be encouraged to read the book, but the emphasis of the class will be to look at real life issues in light of these simple but profound principles. In interesting and creative ways the class will enjoy discovering and examining the good, bad, and the ugly about supply and demand realities in our world: minimum wage laws, price controls, income taxes, property taxes, labor abuse, government subsidies, corporate welfare, monopolies, and others. This virtual course delivers engaging lessons, research assignments and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

Native American History - MV|

This course provides an introduction to Native American history in North America and the Caribbean. Students will consider the varied societies Native peoples built before Europeans arrived and the challenges that the arrival of Europeans posed to them. Students will especially focus on the relationship between the United States and Native Americans, particularly as it has been understood by Native Americans themselves in their struggles for land, sovereignty, and identity. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Philosophy: Big Picture - MV |
This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get the chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Political Culture - GLVP |
All political thought thrives on discussion. The examination of multiple viewpoints enhances understanding and critical thinking. The incorporation of the history surrounding current political issues also promotes deeper understanding of the reasons people hold particular views. We will focus on all of these and discuss the philosophies of the founding fathers. What is the difference between liberty and freedom? Liberal, conservative, left, right, democrat, republican, moderate, socialist, libertarian, communist - what are their economic policies, and what plans do their promoters have for the future. This will be a fun, participatory, and interactive class with practical applications. This virtual course delivers lessons, assignments, research and quizzes.

High School | Non-Essential | Second Semester | Platform: Moodle

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Psychology - MV |
This introduction to Psychology course aims to answer the question: Why do people act the way they do? In studying human and animal behavior, students will examine topics such as life span development, learning and memory, motivation and emotion, personality theories, biological and environmental influences on behavior, societal influences, stress and its effects, psychological disorders and treatment, and others. This course is designed to introduce students to the science that is psychology and help students better understand themselves and those around them.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Psychology - OW |
Psychology is an introductory elective course for high school students. Throughout the course students will examine influences on human actions and beliefs, factors influencing behavior and perception, and basic psychological theories. Students will develop and apply their understanding of psychology through lessons and projects that require interaction and observation of others.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Public Health: Big Pic. in Health Care - OW |
In this course, we discuss the multiple definitions of public health and the ways that these definitions are put into practice. We explore the five core disciplines and the ways that they interact to reduce disease, injury and death in populations. By understanding the roles of public health, we are able to gain a greater appreciation for its importance and the various occupations that one could pursue within the field of public health. Unit 1 introduces the definition of public health and provides a description that allows you to differentiate public health from other health care fields. The five core disciplines and the interactions between local, state, and federal organizations are also discussed. The history of public health concludes the introductory unit. Unit 2 focuses on specific information regarding the core disciplines of behavioral science and emergency preparedness and response. Unit 3 takes a detailed look at epidemiology and biostatistics. Unit 4 relates to environmental and occupational health issues. Finally, Unit 5 describes global health and the future of public health. Because of public health's broad and multi-faceted nature, it is important to understand the details and the overall interactions and importance that make the field Y to modern society. There are many disciplines that work together on different levels within public health. Each public health worker contributes to the overall function of the field itself. By entering the field of public health, you will play an integral part in improving the health and lives of a large number of people. The contributions of public health to society have shaped our modern world and will continue to do so in the future

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Sociology I: Intro to Sociology - MV |
This course provides an overview of sociological theories, methods, and concepts such as culture and socialization, introducing the student to the ways that their lives are affected by the people and social institutions around them. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Sociology II: Social Problems - MV |
This is the second course in a 2-course series. While Sociology provided an overview of many sociological concepts, Sociology II provides students with a more in-depth look at sociological approaches and how they are applied to social problems. The majority of the units will highlight inequality as a way to focus the student's attention on a particular issue and its potential solutions. Prerequisites: None, but Sociology I is recommended.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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Twentieth Century American History - OW |
Twentieth Century American History is a history elective for high school students interested in examining American history during a century of change, continuity, and conflicts. Students will examine America's economic, political, governmental, cultural, and technological growing pains during the twentieth century. They will also consider the causes and effects of national and international cooperation, competition, and conflict.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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Vietnam Era - OW |
What comes to mind when you think about the Vietnam Era? For many, that period represents a difficult time in U.S. history. It is defined by an unpopular war that claimed the lives of 58,000 Americans and some 3 million Vietnamese. In this course, you'll look at the history of the Vietnam War. The roots of the conflict stretch further back than you might know. You'll examine why the United States got involved in the conflict and why the United States failed to achieve its objectives.

High School | Non-Essential | First or Second Semester | Platform: Odysseyware

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World Religions: Exploring Diversity - MV |
Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities among the major religions and examine the connections and influences they have. Prerequisites: None

High School | Non-Essential | First or Second Semester | NCAA | Platform: Michigan Virtual

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American Sign Language 1A - MV |
This is the first course in a two-course sequence and focuses on everyday communication in American Sign Language for the Deaf. It introduces students to the basic signs, techniques, and cultural knowledge, which will support the students to start signing beginning level conversational ASL. Each lesson is built upon a familiar topic such as family, self and friends so that students will find meaningful connection to the lessons. Students will be asked to use various media tools including online resources, online dictionaries, a web cam, and the web based audio-visual tool VoiceThread to master the content presented in the course. Students will be producing their own signing videos to demonstrate their learning. The goal of this course is to help develop fundamental ASL skills, and to understand Deafness, knowledge, and interest that students will need to advance to the higher levels of ASL courses.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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American Sign Language 1B - MV |
This course is the second in a two-course sequence. Topics addressed in the course include information about the Deaf culture, communication problems associated with deaf individuals, and the linguistic heritage of the Deaf community and its influence on our own culture. The online text includes many videos that include role-playing conversations as well as vocabulary. There will be live sessions using a web cam during which time students will demonstrate a mastery of general sign vocabulary along with producing their own conversations.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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American Sign Language 2A - MV |
This is the first course of the second year ASL courses and must be taken after the successful completion of the first year ASL courses. This course continues to focus on everyday communication in ASL by introducing students to the basic signs, techniques and culture. To help develop receptive skills without relying on lip movements of the signers, the signing videos will be all voice off. To develop expressive skills, students will continue to express their thoughts in signs within the given context in the lessons. Through the introduction to some of the higher ASL techniques such as classifiers and indexing, this second year courses is designed to helps students to develop an understanding that ASL is a visual language that delivers one's ideas and thoughts using more than the individual signs. Students will continue to use various media tools including online resources, online dictionaries, a web cam and the web based audio-visual tool VoiceThread to master the content presented in the course.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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American Sign Language 2B - MV |
This is the second course of the second year of ASL courses. The course continues to focus on useful communication that students should be able to carry out in ASL. Students study the basic signs and phrases, techniques, and cultural nature of the language. This course introduces the students to the new concept of conceptually accurate signing that places emphasis on awareness of differences between ASL and English. Lesson topics shift from the everyday interaction in one's immediate environment to interactions in the community to help students to build signing skills for obtaining and providing information rather than simply exchanging information. To support students build the conceptual accuracy, the lessons stress ASL classifiers; students will be challenged to receptively identify some of the most common classifiers in contexts, and to apply them in their own signing. As a part of culture learning, students will continue to learn more facts about the Deaf culture as well as current and past challenging social issues. The signing videos will be all voice off to help develop students receptive skills without reading lips. Students will continue to produce their own signing videos to demonstrate their learning. The goal of this course is to help utilize the fundamental ASL skills and knowledge into simple interpersonal and social interactions, and to build confidence needed to advance to the higher levels of ASL courses.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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American Sign Language Beginner-High - GLVP |
Learn grammar rules in American Sign Language. Learn to have conversations in ASL without talking. Learn mapping with correct signs for geographic locations, nationally and globally. Develop clear understanding of how to use classifiers in ASL. Study fluent ASL users online to enhance visual receptive skills. Study Deaf Culture and social norms. Meet Deaf professionals and interview them about their experiences and education. Begin to explore basic concepts in interpreting. This class is considered prep for taking a foreign language credit in most colleges/universities and could help students prepare for course placement testing. Students are expected to have access to a webcam via computer or smartphone. This virtual course delivers engaging, fun activities and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

American Sign Language Intermediate-High - GLVP |
Learn grammar rules in American Sign Language. Learn to have conversations in ASL without talking. Learn mapping with correct signs for geographic locations, nationally and globally. Develop clear understanding of how to use classifiers in ASL. Study fluent ASL users online to enhance visual receptive skills. Study Deaf Culture and social norms. Meet Deaf professionals and interview them about their experiences and education. Begin to explore basic concepts in interpreting. This class is considered prep for taking a foreign language credit in most colleges/universities and could help students prepare for course placement testing. ASL Beginner and teacher approval required.

High School | Non-Essential | Full Year | Platform: Moodle

AP Chinese A - MV |

At this level, students prepare for the Advanced Placement (AP) Chinese Language and Culture Exam. Students continue to develop their integrated skills of listening, speaking, reading and writing, and will be guided to pay more attention to their usages in interactive daily life and formal settings. Meanwhile, students will deepen their knowledge of Chinese culture through Chinese history, Chinese literature and arts. Harvest Shouhuo is the primary textbook used in this course, along with other supplementary materials, such as AP practice test, Chinese stories, newspaper articles and video clips. The course engages the students in an exploration of both contemporary and historical Chinese, including topics as travelling, famous people and history, literature and arts. The course is delivered entirely online in Chinese. Students will acquire more sophisticated linguistic elements to increase their language abilities. Language skills are enhanced through interpretive, interpersonal, and presentational activities. Listening skills are developed during class discussions, listening exercise, watching video clips movies, etc. Reading skills are improved through various readings of essays and articles, newspaper articles, advertisements, biographies, plays, and poetry. Speaking skills are practiced through debates, pair and group discussions, acting from scripts and interview. Written strategies are introduced to guide students organizing the compositions; students practice the written skills through bi-weekly compositions. To help students get familiar with the test format, assignments designed in AP exam format and the previous AP exams are provided. Students are frequently assessed on character-handwriting skill, vocabulary usage, expressive abilities and listening and comprehension skill. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. Prerequisites: Chinese 4A, 4B or equivalent level of Chinese with proficiency of 1600-2000 Chinese words.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Chinese B - MV |

At this level, students prepare for the Advanced Placement (AP) Chinese Language and Culture Exam. Students continue to develop their integrated skills of listening, speaking, reading and writing, and will be guided to pay more attention to their usages in interactive daily life and formal settings. Meanwhile, students will deepen their knowledge of Chinese culture through Chinese history, Chinese literature and arts. Harvest Shouhuo is the primary textbook used in this course, along with other supplementary materials, such as AP practice test, Chinese stories, newspaper articles and video clips. The course engages the students in an exploration of both contemporary and historical Chinese, including topics as travelling, famous people and history, literature and arts. The course is delivered entirely online in Chinese. Students will acquire more sophisticated linguistic elements to increase their language abilities. Language skills are enhanced through interpretive, interpersonal, and presentational activities. Listening skills are developed during class discussions, listening exercise, watching video clips movies, etc. Reading skills are improved through various readings of essays and articles, newspaper articles, advertisements, biographies, plays, and poetry. Speaking skills are practiced through debates, pair and group discussions, acting from scripts and interview. Written strategies are introduced to guide students organizing the compositions; students practice the written skills through bi-weekly compositions. To help students get familiar with the test format, assignments designed in AP exam format and the previous AP exams are provided. Students are frequently assessed on character-handwriting skill, vocabulary usage, expressive abilities and listening and comprehension skill. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. Prerequisites: Chinese 4A, 4B or equivalent level of Chinese with proficiency of 1600-2000 Chinese words.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP French A - MV |

This course is aligned to the Advanced Placement curriculum for French Language and Culture. AP French is designed as an immersion experience requiring the use of French exclusively. The online learning coach uses mostly French to communicate with students and almost all reading, listening, speaking and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP French B - MV |
This course is aligned to the Advanced Placement curriculum for French Language and Culture. AP French is designed as an immersion experience requiring the use of French exclusively. The online learning coach uses mostly French to communicate with students and almost all reading, listening, speaking and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Spanish A - MV |
This course is aligned to the Advanced Placement curriculum for Spanish Language. AP Spanish is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course is based on the six themes required by the College Board: Global challenges, Science and technology, Contemporary life, Personal and public identities, Families and communities, and Beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Michigan Virtual

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AP Spanish B - MV |
This course is aligned to the Advanced Placement curriculum for Spanish Language. AP Spanish is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course is based on the six themes required by the College Board: Global challenges, Science and technology, Contemporary life, Personal and public identities, Families and communities, and Beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

High School | Non-Essential | Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 1A - MV |
This course, the first in a two-course sequence, is designed for students who are new to the Chinese language. In this course, students will work on Chinese pronunciation (Pinyin) system, basic communication competency through conversations about topics such as personal characteristics and appearance, family and friends, information, travel planning, ordering foods in restaurants, discussing class schedules, and identifying directions. With the help of our multimedia e-textbook, students will complete daily learning tasks independently while attend mandatory weekly synchronous lab sessions to elaborate on and clarify their independent learning experience. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 1B - MV | 

This course is the second in a two-course sequence. In this course, students will work on basic communication competency through conversations about topics such as exchanging personal and family information, making travel arrangements, ordering foods in restaurants, discussing class schedules, making phone calls, reading maps and reserving rooms in a hotel. With the help of our multimedia e-textbook, students will complete daily learning tasks independently while attend mandatory weekly synchronous lab sessions to elaborate on and clarify their independent learning experience. Prerequisites: Chinese 1A - Mandarin

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 2A - MV | 

This course is the first in a two-course sequence and is designed for students who have mastered some basic Chinese knowledge and skills such as pinyin, Chinese character input and 300 Chinese fundamental words either in pinyin or character. This course focuses on taking students from a tentative understanding of Chinese basics to a greater level of sophistication by having students participate in sentence-level conversations about topics such as writing letters/emails, asking directions, asking for help, seeing a doctor, ordering foods, bargaining, talking about hobbies and traffic, and describing cloth wears. Their language learning will be naturally embedded in rich cultural contexts through the multimedia e-textbook. Cultural topics will cover Sichuan opera, Chinese senior center, Natural Scenic Spot of Jiuzhai Valley, Taoism, and Chinese medicine. For this course, students are required to take an hour's language lab per week and interact with their instructor through Blackboard and email for asynchronous learning on the other school days. Prerequisites: One year of high school level Mandarin Chinese

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 2B - MV | 

This course is the second in a two-course sequence and is designed for students who are able to carry on basic Chinese conversations in real-life situations and read simple dialogues and short paragraphs. In this course, students will continue to consolidate their sentence-level communication competency through communicative task-based learning about topics such as talking about Chinese traditional sports and popular sport matches, purchasing tickets, borrowing/returning books at libraries, talking about favorite music/musical instrument/bands, travelling, hotel check-in, weather and the Spring Festival. They will deepen their knowledge of Chinese cultures by following the multimedia e-textbook to learn about topics such as the Spring Festival customs, Chinese dining etiquette, Chinese garden, Chinese painting and related geographic spots in southeast China. Prerequisites: Chinese 2A - Mandarin

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 3A - MV | 

This course is the first in a two-course sequence and is designed for students who are able to express themselves in simple Chinese, read short passages, and create simple Chinese dialogues. Throughout the course, students will develop their ability to use more advanced vocabulary and more complex sentence structures to express themselves by accomplishing task- and project- based language learning activities. Curriculum will be focused on describing people's physical distinctions, physical locations/layout of different places, comparing and contrasting different cities, discussing generation gaps, talking about weekend plans, long-term goals, holidays, gifts, recipes, wedding, and hobbies. And related cultural topics are incorporated in each unit to help students form better insights into the cultural differences. Prerequisites: Two years of high school level Mandarin Chinese

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 3B - MV | 

This course is the second in a two-course sequence and is targeted to students who can infer meaning from contexts and use learned knowledge to conduct fundamental dialogic communication with others in Chinese around the general topics. This course will help students further develop their four major language skills by teaching them to use the key words and sentence structures to make comments on such topics as proposing travel destinations, describing friends, social network and birthday parties, talking about Chinese Kongfu, animal protection, ideal universities and professions. Students will work on a variety of task-based projects that prepare them for more complex Chinese communication and better understanding of the typical Chinese culture. Prerequisites: Chinese 3A - Mandarin

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 4A - MV |
This course is the first in a two-course sequence. In this course, students continue to develop their vocabulary and understanding of grammar by focusing on its usage in daily experiences. Cultural study continues to serve as a contextual backdrop of language, but greater emphasis is placed on culture as a subject of study and as a way of understanding China's past and present. In addition, concrete requirements are specified for Chinese Character learning and writing. This course helps students continue their preparation for the Advanced Placement (AP) Chinese Language and Culture Exam administered by the College Board and is taught by a native Chinese instructor. Prerequisites: Three years of high school level Mandarin Chinese

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Chinese 4B - MV |
This course is the second in a two-course sequence. In this course, students continue to develop their vocabulary and understanding of grammar by focusing on its usage in daily experiences. More formal speech and written-style language will be introduced. Cultural information will be integrated within the teaching of reading, writing, and speaking. In addition, concrete requirements are specified for Chinese Character learning and writing. Students are expected to rely more on characters without Pinyin. This course helps students continue their preparation for the Advanced Placement (AP) Chinese Language and Culture Exam administered by the College Board and is taught by a native Chinese instructor. Prerequisites: Chinese 4A - Mandarin

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Exploratory French I Secondary - GLVP |
This French class offers high school students an introduction to exploring language study by building a vocabulary base and concentrating on listening skills as they hear the language context. This class also focuses on the beginning learning of the four basics language skills: listening, speaking, reading and writing in French. This virtual course delivers engaging content, activities and assignments. Students will also have the opportunity to keep learning about and experience the culture of French speaking countries.

High School | Non-Essential | Full Year | Platform: Moodle

Exploratory Spanish I High - GLVP |
This Spanish class offers high school students the opportunity to expand language study by building a vocabulary base and concentrating on listening skills as they hear the language context. This class also focuses on the continued learning of the four basic language skills: listening, speaking, reading and writing. This virtual course delivers engaging, videos, activities and assignments.

High School | Non-Essential | Full Year | Platform: Moodle

French 1A - MV |
In French 1A, students will begin their language-learning journey by gaining the skills needed to talk about themselves and the world around them. The theme for the course is Ma vie (My Life). Students will learn to introduce themselves, share some basic personal information, talk about their family and friends, discuss what they like to do for fun, and describe their daily routine at home and school. Throughout the course, students will follow along on the fictional journey of three students learning French, seeing them in school, at home, and in other parts of their daily lives. French 1A is the first semester of a two-semester course. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is placed on meaningful language use, with grammar being learned implicitly through input and meaning-based activities.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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French 1A - OW |
In French I, students begin to develop competence in four basic skill areas: listening, speaking, reading, and writing. While developing communicative competence in French, students gain and expand their knowledge of francophone countries and cultures. Emphasis is placed on learning the present tense, the near future and the past tense in French I through thematically designed units. Topics include home, school, family, holidays, and daily and leisure activities.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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French 1B - MV |
French 1B is the second semester of a two-semester course. The class takes a proficiency-based approach which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is placed on meaningful language use, with grammar being learned implicitly through input and meaning-based activities. Prerequisites: French 1A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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French 1B - OW |
In French I, students begin to develop competence in four basic skill areas: listening, speaking, reading, and writing. While developing communicative competence in French, students gain and expand their knowledge of francophone countries and cultures. Emphasis is placed on learning the present tense, the near future and the past tense in French I through thematically designed units. Topics include home, school, family, holidays, and daily and leisure activities.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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French 2A - MV |
Salut! Get set for some more adventure! In French II, students are immersed in the French language and culture. This course is full of engaging and interactive videos, dialogs, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: French 1B

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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French 2A - OW |
French II is a high school foreign language course that builds on and reviews skills and concepts taught in French I through further exposure to communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency. Upon completion of the course, students should be able to do the following: - Use basic French in everyday situations in oral and written communication. - Use French vocabulary at the level appropriate to living in francophone countries. - Demonstrate knowledge of France and other francophone countries. - Listen to and understand passages in French related to various themes. - Read and understand passages in French related to presented themes. - Compare and contrast cultural aspects of francophone countries and the United States. This course gives students practice using the mechanics of the French language, acquaints them with the cultural differences of francophone countries, and helps them gain a keen awareness of their own culture.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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French 2B - MV |
Students continue to develop their French skills in semester two. New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip! Prerequisites: French 2A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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French 2B - OW |
French II is a high school foreign language course that builds on and reviews skills and concepts taught in French I through further exposure to communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, writing, and cultural competency. Upon completion of the course, students should be able to do the following: - Use basic French in everyday situations in oral and written communication. - Use French vocabulary at the level appropriate to living in francophone countries. - Demonstrate knowledge of France and other francophone countries. - Listen to and understand passages in French related to various themes. - Read and understand passages in French related to presented themes. - Compare and contrast cultural aspects of francophone countries and the United States. This course gives students practice using the mechanics of the French language, acquaints them with the cultural differences of francophone countries, and helps them gain a keen awareness of their own culture.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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German 1A - MV |
German 1A is the first semester of a two-semester course. In German 1A, students will begin their language-learning journey by gaining the skills needed to talk about themselves and their immediate environment. Students will learn to introduce themselves, share some basic personal information, talk about their family and friends, discuss what they like to do for fun, and describe their daily routine at home and school. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is put on German-speaking cultures around the world, with grammar being learned implicitly through input and meaning-based activities. Throughout the 4 Modules, each containing 3 units, students' language learning is guided by Can Do statements which focus on specific language abilities, such as "I can greet others and introduce myself." Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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German 1B - MV |
German 1B is the second semester of a two-semester course. In German 1B, students will continue their language-learning journey by gaining the skills needed to talk about themselves, their immediate environment, and German-speaking communities. Students will learn to share some basic personal information about topics including healthy eating habits, family traditions, and pop culture preferences. In addition, students will gather information about a German-speaking community and use this information for a presentation. To prepare for this students will gain the skills necessary to discuss culture, geography, and governments. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is put on German-speaking cultures around the world, with grammar being learned implicitly through input and meaning-based activities. Throughout the 4 Modules, each containing 3 units, students' language learning is guided by Can Do statements which focus on specific language abilities, such as "I can greet others and introduce myself." Prerequisites: Michigan Virtual German 1A or at least 1 semester of introductory German

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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German 2A - MV |
This course is the first in a two-course sequence. Students continue their study of German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: German 1B

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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German 2B - MV |
This course is the second in a two-course sequence. Students continue their study of German by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit. Prerequisites: German 2A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Japanese 1A - MV |
This is the first course in a two-course sequence and focuses on the most widely used Japanese syllabic writing system (Hiragana) and greetings and phrases used in everyday communication and contemporary Japanese cultures. Lessons are built upon familiar topics such as self, family, school, and friends to provide meaningful contexts to develop everyday conversation skills. Each lesson is designed to help students learn Hiragana gradually through decoding words and reading to speak conversational expressions. The course includes audio and video learning objects to demonstrate native Japanese speaker's pronunciation, which supports students in building their interpersonal and interpretive fluency in Japanese. This course targets the Novice Level of MI World Language Standards and Benchmarks. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Japanese 1B - MV |
This is the second course in a two-course sequence. While it continues focusing on practical everyday communication skills and contemporary Japanese cultures, the course introduces the second widely used Japanese syllabic writing system, katakana. Lessons are built upon familiar topics such as self, family, school, and friends to provide meaningful contexts to develop everyday conversation skills. Each lesson is designed to help students learn katakana gradually as students work to master the first syllabic system hiragana through decoding words and reading to speak conversational expressions. The course includes audio and video learning objects to demonstrate native Japanese speaker's pronunciation, which supports students in building their interpersonal and interpretive fluency in Japanese. It is also designed for students to experience and appreciate the third writing system, kanji. This course targets the Novice Level of the Michigan World Language Standards and Benchmarks. Prerequisites: Japanese 1A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Japanese 2A - MV |
This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Daily Life, Animals, Activities, The Body and Descriptions), students learn to express themselves using an ever increasing vocabulary, a larger variety of verb tenses and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Cultural information in the course will teach the student about Japanese culture, people, society, and history. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century. Prerequisites: Japanese 1B

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Japanese 2B - MV |
This course is the second in a two-course sequence. Japanese 2B focuses on more advanced communication skills in the language through activities that involve speaking, writing, listening and reading. Students delve more deeply into various aspects of Japanese culture. Students are exposed to kanji that relate to the topics studied. Most readings are provided in both a basic form and a more advanced format so that students can learn to recognize kanji in context. Students are encouraged to incorporate appropriate kanji in their own writing. Cultural information in the course will teach the student about Japanese culture, people, society, and history. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons, and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century. Prerequisites: Japanese 2A

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Korean Part 1 |
BU Korean

High School | Non-Essential | First or Second Semester | MMC | NCAA

Latin 1A - MV |
This course is the first in a two-course sequence. Building the Via Latina: You are about to build a Roman road, the Via Latina. This road will be the foundation for your study of Latin and the culture of ancient Rome. Famous Romans from the past have agreed to be your supervisors. They will invite you to dinner, regale you with stories from mythology, introduce you to other Romans, show you around their homes, entertain you at the chariot races or the gladiatorial fights, and give you a look at what it meant to be a Roman politically, socially and economically. Your task is to learn Latin, the language of the Romans. So let's start the building process and find out how different and yet how similar our worlds really are. Prerequisites: None

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Latin 1B - MV |
This course is the second in a two-course sequence. Building the Via Latina: You are about to build a Roman road, the Via Latina. This road will be the foundation for your study of Latin and the culture of ancient Rome. Famous Romans from the past have agreed to be your supervisors. They will invite you to dinner, regale you with stories from mythology, introduce you to other Romans, show you around their homes, entertain you at the chariot races or the gladiatorial fights, and give you a look at what it meant to be a Roman politically, socially and economically. Your task is to learn Latin, the language of the Romans. So let's start the building process and find out how different and yet how similar our worlds really are. Prerequisites: Latin 1A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Latin 2A - MV |
This course is the first in a two-course sequence. Welcome, movie star! You will continue your journey to the time of the ancient Romans, but this time you will be the star in our movie, "An Epic of Great Proportion." With your director, your script will include visits with some of the men who made Rome great. From them, you will learn about the Roman government and how Rome grew to rule most of the known world. Your epic movie will also take you back to the Trojan War where you will accompany the Greeks on a great adventure. Study your lines and get ready for "lights, camera, action!" Prerequisites: Latin 1B

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Latin 2B - MV |
This course is the second in a two-course sequence. Welcome, movie star! You will continue your journey to the time of the ancient Romans, but this time you will be the star in our movie, "An Epic of Great Proportion." With your director, your script will include visits with some of the men who made Rome great. From them, you will learn about the Roman government and how Rome grew to rule most of the known world. Your epic movie will also take you back to the Trojan War where you will accompany the Greeks on a great adventure. Study your lines and get ready for "lights, camera, action!" Prerequisites: Latin 2A

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Latin 3A - MV |
This course is the first in a two-course sequence. Take your knowledge and appreciation of Latin to the next level. Read some of the best Latin prose and poetry ever written or spoken. Let Caesar tell you how he conquered the three parts of Gaul. Be moved by the eloquence of Cicero as he reminds Romans of the virtues that made their country great. And marvel at how Catullus could express the deepest human emotions in just a few, well-chosen words. In Latin 3, you will visit our library of great authors. Your library card will give you access to the timeless words of the greatest Roman poets, storytellers and orators. Your skills with the Latin language will give you direct access to the beauty and power of their thoughts. The purpose of this course is to strengthen your Latin vocabulary as well as your appreciation for well-crafted writing. You will go directly to the source and recognize why Latin and those who spoke it are still relevant today. Prerequisites: Latin 2B

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Latin 3B - MV |
This course is the second in a two-course sequence. Take your knowledge and appreciation of Latin to the next level. Read some of the best Latin prose and poetry ever written or spoken. Let Caesar tell you how he conquered the three parts of Gaul. Be moved by the eloquence of Cicero as he reminds Romans of the virtues that made their country great. And marvel at how Catullus could express the deepest human emotions in just a few, well-chosen words. In Latin 3, you will visit our library of great authors. Your library card will give you access to the timeless words of the greatest Roman poets, storytellers and orators. Your skills with the Latin language will give you direct access to the beauty and power of their thoughts. The purpose of this course is to strengthen your Latin vocabulary as well as your appreciation for well-crafted writing. You will go directly to the source and recognize why Latin and those who spoke it are still relevant today. Prerequisites: Latin 3A

High School | Non-Essential | First or Second Semester | MMC | Platform: Michigan Virtual

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Latin I High - GLVP |
In Latin I, students will learn the fundamentals of the Latin language through an in-depth study of grammar and vocabulary. Translation will serve as the primary path to a complete understanding of the language. Based on the Ecce Romani approach, students will move from the concrete to the abstract, deriving general principles from facts or instances found in Latin language passages. The focus of this learning system is for a student first to master reading and comprehension and then use their acquired understanding and confidence to learn grammatical generalizations and analysis. The year will begin with a basic approach to fundamental skills and easy to understand Latin language passages, and progress to more difficult passages which emphasize specific concepts. This virtual course delivers engaging assignments, activities, and quizzes. Access to a printer is highly recommended.

High School | Non-Essential | Full Year | Platform: Moodle

Latin II High - GLVP |
In Latin II, a continuation of the fundamentals of the Latin language through an in-depth study of grammar and vocabulary. Translation will serve as the primary path to a complete understanding of the language. Based on the Ecce Romani approach, students will move from the concrete to the abstract, deriving general principles from facts or instances found in Latin language passages. The focus of this learning system is for a student first to master reading and comprehension and then use their acquired understanding and confidence to learn grammatical generalizations and analysis. The year will begin with a basic approach to fundamental skills and easy to understand Latin language passages, and progress to more difficult passages which emphasize specific concepts. This virtual course delivers engaging assignments, fun activities, and quizzes. Access to a printer is highly recommended.

High School | Non-Essential | Full Year | Platform: Moodle

Spanish 1A - MV |
This course is the first in a two-course sequence. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity."

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 1A - OW |
Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: - Use Spanish in everyday situations in a basic manner and in both oral and written communication. - Use vocabulary necessary to function as a tourist in Spanish-speaking countries. - Demonstrate a basic knowledge of the Spanish-speaking world. - Listen to and understand basic passages in Spanish related to various themes. - Read and understand basic passages in Spanish related to various themes. - Compare and contrast cultural aspects of Hispanic countries and the United States. Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 1A Seminar - OW |
This course is virtual, with the weekly application, to result in Michigan Merit Curriculum credit upon successful completion. Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: Use Spanish in everyday situations in a basic manner and in both oral and written communication. Use vocabulary necessary to function as a tourist in Spanish-speaking countries. Demonstrate a basic knowledge of the Spanish-speaking world. Listen to and understand basic passages in Spanish related to various themes. Read and understand basic passages in Spanish related to various themes. Compare and contrast cultural aspects of Hispanic countries and the United States. Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 1B - MV |
This course is the second in a two-course sequence. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity. Prerequisites: Spanish 1A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 1B - OW |
Spanish I is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: - Use Spanish in everyday situations in a basic manner and in both oral and written communication. - Use vocabulary necessary to function as a tourist in Spanish-speaking countries. - Demonstrate a basic knowledge of the Spanish-speaking world. - Listen to and understand basic passages in Spanish related to various themes. - Read and understand basic passages in Spanish related to various themes. - Compare and contrast cultural aspects of Hispanic countries and the United States. Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 1B Seminar - OW |
This course is virtual, with the weekly application, to result in Michigan Merit Curriculum credit upon successful completion. Spanish 1 is an entry level high school foreign language course that explores the Spanish language through communication, culture, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: - Use Spanish in everyday situations in a basic manner and in both oral and written communication. - Use vocabulary necessary to function as a tourist in Spanish-speaking countries. - Demonstrate a basic knowledge of the Spanish-speaking world. - Listen to and understand basic passages in Spanish related to various themes. - Read and understand basic passages in Spanish related to various themes. - Compare and contrast cultural aspects of Hispanic countries and the United States. Spanish I introduces students to the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 2A - MV |
This course is the first in a two-course sequence. In this course, you'll travel through Central America and the Caribbean spending time in museums, traffic jams and even in the hospital. You'll broaden your Spanish vocabulary and knowledge of grammar and meet people from many different countries and cultures. You'll also meet some Spanish-speaking people from different parts of the United States. Experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Spanish 1B

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 2A - OW |
Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: - Use Spanish in everyday situations in both oral and written communication. - Use vocabulary necessary to live in a Spanish-speaking country. - Demonstrate an understanding of Hispanic countries. - Listen to and understand passages in Spanish related to various themes. - Read and understand passages in Spanish related to themes. - Compare and contrast cultural aspects of Hispanic countries and the United States. This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 2B - MV |
This course is the second in a two-course sequence. In this course, you'll travel through Central America and the Caribbean spending time in museums, traffic jams and even in the hospital. You'll broaden your Spanish vocabulary and knowledge of grammar and meet people from many different countries and cultures. You'll also meet some Spanish-speaking people from different parts of the United States. Experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Spanish 2A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 2B - OW |
Spanish II is a high school foreign language course that builds upon skills and concepts taught in Spanish I, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency. Upon completion of the course, students should be able to do the following: - Use Spanish in everyday situations in both oral and written communication. - Use vocabulary necessary to live in a Spanish-speaking country. - Demonstrate an understanding of Hispanic countries. - Listen to and understand passages in Spanish related to various themes. - Read and understand passages in Spanish related to themes. - Compare and contrast cultural aspects of Hispanic countries and the United States. This course gives students practice using the mechanics of the Spanish language, acquaints them with the cultural differences of Hispanic countries, and helps them gain a keen awareness of their own culture.

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 3A - MV |
This course is the first semester in a full year of Spanish III. Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, students will improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. The purpose of this course is to provide the students with many experiences where they can use their Spanish. Completely immersed in Spanish, they will speak, listen, read, write, and collaborate with other students in this course. They will also gain knowledge and perspectives about Spanish speaking countries and from Spanish speaking people. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule three live speaking assessments during the course. Prerequisites: Successful completion of Spanish II or equivalent.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 3A - OW | 

Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 3B - MV | 

This course is the second semester in a full year of Spanish III. Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, students will improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. The purpose of this course is to provide the students with many experiences where they can use their Spanish. Completely immersed in Spanish, they will speak, listen, read, write, and collaborate with other students in this course. They will also gain knowledge and perspectives about Spanish speaking countries and from Spanish speaking people. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Successful completion of Spanish 3A or equivalent.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 3B - OW | 

Spanish III is a high school foreign language course that builds upon skills and concepts taught in Spanish II, emphasizing communication, cultures, connections, comparisons, and communities. Course materials are designed to support students as they work to gain a basic proficiency in speaking, listening, reading, and writing Spanish, and in cultural competency

High School | Non-Essential | First or Second Semester | MMC | Platform: Odysseyware

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Spanish 4A - MV | 

This is the first semester of a two semester course in Spanish 4. The main objective of the Spanish IV course is to develop student's interpersonal communication skills in Spanish. The fundamental objective is for the students to achieve a high level of ability in listening, speaking, reading and writing. In this course students develop a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. This objective is achieved through highly engaging course content and interactive simulations, which give students ample opportunities throughout the course to integrate reading, writing, and speaking. Students are exposed to literature, historical and current events of Spanish-speaking countries through authentic newspapers and magazines, music, movie, radio and television productions, literary texts, and virtual visits online. Students will also use Spanish to access information and to compare and contrast cultural elements of Spanish-speaking countries with their own. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Spanish 3 or equivalent

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Spanish 4B - MV | 

This is the second semester of a two semester course in Spanish 4.The main objective of the Spanish IV course is to develop student's interpersonal communication skills in Spanish. The fundamental objective is for the students to achieve a high level of ability in listening, speaking, reading and writing. In this course students develop a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. This objective is achieved through highly engaging course content and interactive simulations, which give students ample opportunities throughout the course to integrate reading, writing, and speaking. Students are exposed to literature, historical and current events of Spanish-speaking countries through authentic newspapers and magazines, music, movie, radio and television productions, literary texts, and virtual visits online. Students will also use Spanish to access information and to compare and contrast cultural elements of Spanish-speaking countries with their own. Content and assignments are presented in the target language. Grammar concepts are presented in English and Spanish. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Spanish 4A

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Michigan Virtual

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Welcome to M-Cubed High - GLVP |

This high school course will be an exciting study of putting Sign Language and Music together. This is a performance class where students will pick their favorite artists such as Taylor Swift, Justin Timberlake, and learn the Art of Translating which is a form of Sign Language used when signing to music. We will work together studying the literal meaning of song lyrics to translate them into Sign Language. Once students are comfortable with their ability to use Sign Language and mouth English to their songs simultaneously, students are free to add routines, and costume to their individual acts or group performances. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: Moodle

High School

Project Based
Course Descriptions

Popular Music Ensemble - PB |

Popular Music Ensemble is a project-based class that performs contemporary popular music, from repertoire based on student input. Styles that could be studied include rock, pop, reggae, hip-hop, rhythm and blues, electronic dance music, and other contemporary styles as they emerge. Rehearsals are conducted as coaching sessions, usually without the use of written scores, and the semester culminates in a project based around a live performance and/or recording session. The Popular Music Ensemble is open to all high school aged students and utilizes (but is not limited to) musical instruments that are common to these genres: guitar, bass, drums, piano, voice and technology.

High School | Non-Essential | Full Year
