



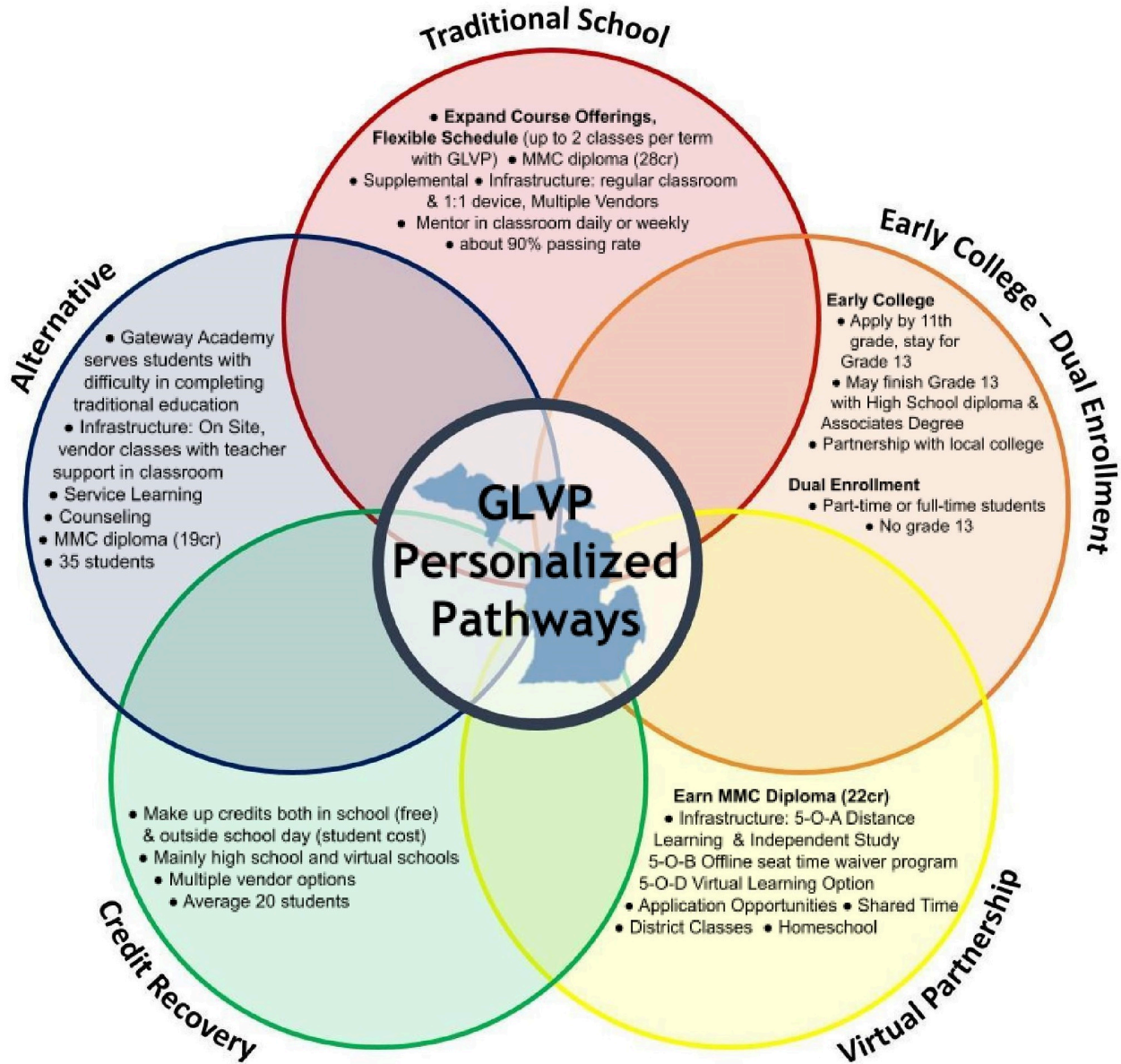
**Virtual Partnership**

**2024-25**  
**Gull Lake Virtual Partnership**  
**Course Catalog**

**Updated: October 28, 2024**

# Innovative Programs

## Full Spectrum Overview



## LEARNING AT GULL LAKE CONTINUES TO GROW AND EXPAND OPPORTUNITIES FOR ALL STUDENTS!








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 who lead each course according to needs 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. Other approved online vendors may be requested (see Michigan’s Online Course Catalog).

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

	<b>Flex App</b>	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 face to face or Zoom, recorded sessions.
	<b>Application</b>	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.
	<b>100% Virtual</b>	Fully online courses without application opportunities.
	<b>Independent Study</b>	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.
	<b>Gold Star Reviews</b>	These courses consistently result in high satisfaction reviews by staff and students.
	<b>New Courses</b>	These NEW courses for the 2024-25 schools.
	<b>In-person Final Exams</b>	These courses include a proctored final exam in-person at the Gull Lake Virtual Lab.




## LEGEND - Platform

AL	<b>ALEKS:</b>	Assessment and LEarning in Knowledge Spaces 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.
BK	<b>Bookshark:</b>	BookShark is a complete, literature-based, curriculum. BookShark uses a variety of educational resources including literary fiction and nonfiction, biographies, illustrations and hands-on experiments to deliver an engaging and complete education that extends beyond textbook memorization.
ED	<b>eDynamic:</b>	eDynamic Learning is the largest publisher of Career and Technical Education (CTE) and elective courses in North America for middle and high schools. eDynamic offers schools unique and specialized digital courses for students to access an enriching, well-rounded cross-cutting skills curriculum.
EW	<b>Essentials in Writing:</b>	Essentials In Writing is an engaging homeschool writing curriculum that combines video, virtual, and offline lessons. It is a complete writing program that includes grammar and composition instruction.
FL	<b>FunLearning:</b>	Fun Learning Company provides a variety of hands-on STEAM classes for students ranging from grades K-12 in several formats. Our platform is self-contained, easy to navigate, and, most of all, fun! In addition to more traditional videos, articles, and quizzes, we utilize interactive videos to help students focus on main points during each lesson and skip through optional material they already understand, as well as assessments built into puzzles and games.
GL	<b>GLVP:</b>	GLVP classes in GLOBE have been written by our own highly qualified teaching staff, specifically for our students. GLOBE is the learning management system for GLVP that offers an online learning environment where teachers can create original content for a variety of classes.
LI	<b>Lincoln:</b>	Lincoln Empowered course provides students with proven, standards-based instruction that encourages excitement and creativity. Gull Lake offers Lincoln courses in grades K-12. 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.
MF	<b>MusicFirst:</b>	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.
MU	<b>Math U See:</b>	Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners.
MV	<b>Michigan Virtual:</b>	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.

## Course Description Explanation

<b>Essential:</b>	Essential courses are open to full-time students only. These courses meet the State's requirement for grade-level progression in core content areas.
<b>Non-Essential:</b>	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 are considered non-essential.
<b>Full-time Students:</b>	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.
<b>Part-time Students:</b>	Have an opportunity to take 1-4 courses, and may choose from non-essential courses. This enrollment limit pertains to our shared time student population i.e. part-time, homeschool, etc.
<b>Course/Schedule Changes:</b>	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.
<b>Withdrawals:</b>	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.
<b>Grading:</b>	Every course will have a course syllabus that indicates the grading system for the course. The GLVP Student Handbook provides additional information on the grading scale for GLVP.
<b>Dual Enrollment:</b>	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 post-secondary 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.
<b>AP:</b>	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).
<b>NCAA:</b>	All courses designated as NCAA have been reviewed and approved by the National Collegiate Athletic Association Eligibility Center.
<b>MMC:</b>	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.

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 the virtual course or Independent Study.   

Applied Technology/Exploring our World		Business/Career Readiness	
Exit 85 Ventures Fun Learning Company		Michelle Jaros	
Fine & Performing Arts		Physical Education & Health	
Adolph, Sarah Alvey, Kelly Anthony, Robin Beason, Lori Bolthouse, Holly Burghart Music Studio Butler, James Cary, Judy Cleland, Sara Code, Karin Community Music School-BCrk Conklin, Carol Cook, Caleb (Josh) Creative Health Arts Cuffman, Timothy Dekoekkoek, Katrina Design Street Dickerson Music Company Eastend Studio & Gallery Field, Bethany Flick, Tamara Forbes, Daniel Freeburn, Paul Garrett, Chase Grubbs, Leslie Hale, Jeff Harris, Paula Hastings Community Music School	Lehman, Samantha March Music Studio Marks, Lindsey Marks, Samuel Miller, Jaymie Minard, Erin Monahan, Robert More, Jacob More, Kimberly Oexler, Becky Pryde, Tommy Rose, Cindy Runyon, Renee Shank, Rachel Simmons, Crista Simpson, Necia Slavujevic, Vladimir Snyder, Joel Squiers, Robert Stark, Alexis Sutherland, Nancy Suzuki Academy Kzoo Swarthout, Ed Thomas, Erin Trainor, Paul Whalen, Paul Williams, Stephen WMH Fine Arts	360 Dance Company All That Athletics BattleGround Skatehouse Bittersweet Ski Resort Branch Gymnastics Brooks Archery City of Marshall Climb Kalamazoo Crossfit Azo Dale, Koren Dan Bulley Soccer School Daniel Gracie Team MI Dragon's Den Combat Sports Eastfork Ranch LTD Elder, Jason Hampton Aquatics	Hawk, William Henes, Everett K.I. Tang Soo Do Misty Morr Farm Model Farm Stables Richland Lanes Sabumnim Martial Arts Sea Otter Swim School Sherman Lake YMCA Traci Phelps Studios Tri-Blade Fencing True Volleyball Skills Webber, Denise West Hills Athletic Club Windy Flatts Farms
		World Languages	
		Hermenitt, Julie McKeon, Mary	Sides, Ariel
		Other Electives	
		Amos, Sue Binkowski, Nancy Bower, Amy Bush, Staci Camp, Randi Esman, Melani Kirkwood, Jeff	Manring, Sara Marsh-Prelesnik, Janice Misner, Audra Prater, Wendy Russell, Barbara TenBroek, Ruth Zurface, Tera

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# Elementary

## Essential Virtual Course Descriptions



## ◆ English Language Arts ◆

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### English Language Arts 1 - LI | ★ | 🔒

English Language Arts 1 focuses on developing reading, writing, spelling, speaking, and listening skills. Students will use rhyming, blending, and segmenting to develop the foundation needed to become an emergent reader. Students will read prose, poetry, and informational texts for comprehension. Students also learn to spell new words using various spelling rules. They will practice their writing skills by learning 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 will explore writing opinion pieces, informational pieces, and narratives. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### English Language Arts 2 - LI | ★ | 🔒

Reading, writing, spelling, speaking, and listening are the central concepts covered in Lincoln Empowered English Language Arts 2. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. 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. Students develop their writing skills by composing narrative, argumentative, and informative essays, as well as creative writing pieces. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### English Language Arts 3 - LI | ★ | 🔒

English Language Arts 3 focuses on expanding students' reading, writing, spelling, speaking, and listening skills. In this course, students interpret texts in more complex ways, by identifying cause and effect and distinguishing shades of meaning in figurative language. This course introduces 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. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### English Language Arts 4 - LI | ★ | 🔒

Students in English Language Arts 4 focus on expanding reading, writing, spelling, speaking, and listening skills, with a heavy emphasis on solidifying writing skills. They will learn and apply the writing process to create narrative, descriptive, opinion, persuasive, and informative pieces; while correctly using introduction, body, and conclusion paragraphs. Through writing, they will continue to master the conventions of English grammar and spelling. While reading various genres, students will identify, describe, and analyze story elements and compare and contrast these elements. Students will develop research skills by conducting short research projects, taking notes during research, and creating bibliographies. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### English Language Arts 5 - LI | ★ | 🔒

In English Language Arts 5, students solidify foundational skills in reading, writing, spelling, speaking, and listening. Students read a variety of texts, including fiction, nonfiction, and informational texts. Through these texts, they learn to make inferences and analyze multiple accounts of the same event. Students will write a five-paragraph essay and an effective thesis statement. They will follow the writing process to develop essays, create outlines to organize their ideas, and revise and improve their original draft. This course also teaches and reinforces grammar and spelling rules. Students develop 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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 **English Language Arts Bookshark 1 - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include phonics, spelling, writing mechanics and creative expression. Students will move to reading advanced short words and short chapter books. With help, students will also “write” their first short stories. Writing lessons come from the books your students read throughout the year. As a result, they remember and comprehend more and more. Hands-on materials are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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 **English Language Arts Bookshark 2 - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include phonics, spelling, writing mechanics and creative expression. Students will develop and organize their thoughts, construct basic sentences and write simple paragraphs. Writing lessons come from the books your students read throughout the year. As a result, they remember and comprehend more. Hands-on materials are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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 **English Language Arts Bookshark 3 - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include phonics, spelling, writing mechanics and creative expression. A complete creative expression and pre-writing program, along with other hands-on materials, are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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 **English Language Arts Bookshark 4 - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include phonics, spelling, writing mechanics and creative expression. Students will write paragraphs with more independence and continue to develop a love of reading. Writing lessons come from the books your students read throughout the year. As a result, they remember and comprehend more and more. Hands-on materials are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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 **English Language Arts Bookshark 5 - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include spelling, writing mechanics and creative expression. Watch your children’s writing style expand as they learn about higher-level techniques like similes, metaphors and hyperbole. Students have transitioned from “learning to read” to “reading to learn.” The Readers with this Language Arts 5 course tie directly to the history content for the Social Studies 5 course. Hands-on materials are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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 **English Language Arts Bookshark K - BK** |  | 

BookShark Language Arts takes a natural approach, relying on the time-tested techniques of reading and discussing, copywork, and dictation. Grammar and mechanics are learned in the context of literature and creative expression assignments. Topics include phonics, spelling, vocabulary development, creative expression and writing mechanics. Hands-on materials are included with this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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## English Language Arts K - 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 upper and lowercase letter identification and letter sounds. This course focuses on building reading skills through the use of high-frequency sight words. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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## ◆ Math ◆

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### Math 1 - 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 addition and subtraction skills, they compare two-digit numbers based on place values, measure lengths, identify two-dimensional and three-dimensional shapes, and explore fractions by dividing those shapes into halves and quarters. Students will also organize, represent, and interpret data in pictures, tables, and charts. They will also begin to tell and write times in hours and half hours. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Math 2 - 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 use standard units of measurement to express the length of objects in inches, feet, centimeters, and meters. Students will be presented with word problems involving money. They will also explore 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 includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Math 3 - 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. Students learn area and perimeter and work with fractions. Finally, students explore the ways in which various types of data can be displayed. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Math 4 - 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. Students are introduced 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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**Math 5 - 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-world and mathematical problems. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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**Math K - 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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**NEW** **Math U See 1 - MU** | ★ | 🔒

Math U See 1 - MS Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners. Math U See first grade focuses on building a strong foundation for the concepts of single-digit addition and subtraction. Systematic teaching strategies are used to help students commit addition and subtraction facts to memory.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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**NEW** **Math U See 2 - MU** | ★ | 🔒

Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners. Concepts to be learned include multiple-digit addition and subtraction and place value. Within this, students will learn about time, money and measurement.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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**NEW** **Math U See 3 - MU** | ★ | 🔒

Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands-on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners. Students go beyond memorization to develop a deeper mathematical understanding. In 3rd grade the emphasis is on multiplication - single-digit facts and multiple-digit multiplication facts.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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**NEW** **Math U See 4 - MU** | ★ | 🔒

Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners. In 4th grade there will be a big focus on division and geometry concepts.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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 **Math U See 5 - MU** |  | 

Math U See uses a mastery approach which allows students to build a strong foundation of fundamental concepts and skills before moving on. The curriculum integrates a distinctive set of hands on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners. In 5th grade there will be a heavy emphasis on fractions and the basic operations with fractions.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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 **Math U See K - MU** |  | 

Math U See Kindergarten - MS The Math U See Kindergarten level is an introduction to “doing math”. Students will learn how to write numerals and basic counting. Additionally, students will be introduced to addition and subtraction, skip counting, geometric shapes, and telling time. The curriculum integrates a distinctive set of hands-on manipulatives with strategies presented through lesson-by-lesson videos, workbooks and digital resources. This approach is designed to appeal to all types of learners.

Elementary | Essential | Full Year | Platform: Math U See | This course can only be taken once

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## ◆ Science ◆

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### Science 1 - 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. 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Science 2 - 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. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Science 3 - 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. 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Science 4 - 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. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Science 5 - LI |

In Science 5, 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 and core concepts of physics as energy transformation, gravitation, and Newton's first and second laws of motion. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Science K - 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. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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## ◆ Social Studies ◆

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### Social Studies 1 - 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. 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. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### Social Studies 2 - 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. 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. 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### [Social Studies 3 - 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. Finally, students expand their map-reading skills and learn the fundamentals of financial literacy. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### [Social Studies 4 - LI](#) |

Social Studies 4 introduces students to critical analysis, as they develop more detailed knowledge of U.S. and world history. Students assess and use a wide variety of primary and secondary sources to research compelling questions. 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 understanding of geography, 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### [Social Studies 5 - 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. They refine their ability to distinguish fact from opinion in the context of historical investigation. Students also broaden their understanding of government and they identify important 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. Students also explores the themes, tools, and techniques of geography and learn how human interaction with the environment has caused change. Finally, they will learn how the U.S. economy functions. This course includes a printed Parent Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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### [Social Studies Bookshark 5 - BK](#) |

BookShark Social Studies takes a natural approach to learning about history. Students have transitioned from “learning to read” to “reading to learn.” The Readers that come with the English Language Arts 5 course tie directly to the history content for this Social Studies 5 course. Students will learn about the social forces and cultural influences that shaped early America. Hands-on materials are included with this course. Note: You must also select BookShark ELA 5 if selecting this course.

Elementary | Essential | Full Year | Platform: Bookshark | This course can only be taken once

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### [Social Studies K - LI](#) |

Social Studies K introduces emerging learners to the knowledge and skills that help them to become active and valued participants in their community. 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 Teacher Guide and materials that will help support student learning.

Elementary | Essential | Full Year | Platform: Lincoln | This course can only be taken once

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# Elementary

## Non-Essential Virtual Course Descriptions



## ◆ Applied Technology ◆

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### Being a Successful Online Learner 3-5 - GL |

This course will cover a broad range of topics for online learning success: keyboard skills, digital citizenship, computer basics and Google Apps, study skills, time management for an asynchronous schedule, effective online communication, understanding a personal digital footprint. Students will be able to demonstrate an understanding of what virtual learning encompasses and the skills needed to succeed, with a focus on success within their GLVP courses. Understanding digital citizenship and leaving a positive digital footprint will be key factors for this age group, as well as learning independent study skills and using their computer and keyboard as tools.

Elementary | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Being a Successful Online Learner K-2 - GL |

This course will cover a broad range of topics for online learning success: keyboard skills, digital citizenship, computer basics and Google Apps, study skills, time management for an asynchronous schedule, effective online communication, understanding a personal digital footprint and more. Understanding digital citizenship and leaving a positive digital footprint will be key factors for this age group, as well as learning independent study skills and using their computer and keyboard as tools. Students will have the opportunity to collaborate with each other, receive one-on-one help from the instructor, and create relevant work that relates to their everyday, online learning environment.

Elementary | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Building Beyond Legos 4-5 - FL |

Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including creating chain reactions and their own mini Rube Goldberg Machine. We will also use Legos to build a variety of bridges + simple machines, and even touch on pneumatics and hydraulics as we build machines powered by air pressure! Skills acquired include logic and problem solving, troubleshooting, following instruction, imitating conceptual ideas, and creative design. 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.

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Experiencing Arts and Technology K-5 - GL |

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | First and/or Second Semester | Platform: GLVP | This course can be taken up to 6 times

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### Introduction To Typing 3-5 - LI |

In the Introduction to Typing course, students study the proper typing techniques in order to increase their typing speed or WPM (words per minute). Students practice proper posture, finger positioning, and typing strategies, and they explore safe Internet practices.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Reverse Engineering 1-5 - GL |

Students will learn how to safely use tools to take apart items like: computers, appliances, machinery, musical instruments, and motorcycles. 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 emphasize safety and proper use of tools to deconstruct items and see how things are built.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Robotics I (Gr. 5) - FL | ★ | 🔒

Students will learn to build and program robots using a LEGO SPIKE Prime Robotics Kit. This will include the use and programming of various sensors -- color, pressure, gyro, and distance sensors, as well as a light matrix to really bring their builds to life. We'll build a variety of robots like a wind meter (using real weather data from the cloud), a workout tracker, robotic claw, and a lockbox. Projects can be done by following along with our online videos. This virtual course offers engaging lessons, resources, quizzes, and fun activities.

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Robotics Intro 3-5 - FL | ★ | 🔒

Students will learn the basics of building, problem-solving, and programming through immersive work on challenges using Lego Spike Essential & Lego BricQ kits. Projects can be completed by following along in the software and our instructional videos. This virtual course offers engaging lessons, resources, quizzes, and fun activities. Grades 3-5

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Robotics Jr. K-3 - FL | ★ | 🔒

Students will learn the basics of building and programming with 1-2 week projects using two Lego kits (Spike Essential & BricQ). Coursework includes learning to build and program various 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: FunLearning | This course can be taken up to 2 times

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### Tech Ed 1-5 - GL | 🔒

Are you interested in 3D printing, desktop CNC machines, laser cutting and etching, silicone and epoxy mold making, the basics of CAD (Computer Aided Design) or CAM (Computer Aided Manufacturing)? If you said yes, then this course will introduce you to those skills and technology along with several more! We will also spend time on the basics of microcontroller wiring and programming that are the basis for home automation and robotics.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Tinkering 3-5 - FL | ★ | 🔒

This course 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). Crates vary from year to year and students may take the course for two years in a row without repeating 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 remaining week(s) we 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 a larger projects using other resources -- examples of past projects have included a Nanotechnology kit and an Electric Motor Catalyst Kit. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Tinkering Jr. K-3 - FL | ★ | 🔒

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). Crates vary from year to year and students may take the course for two years in a row without repeating crates. For each topic, we'll start by briefly introducing a new crate and briefly discussing 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 remaining week(s) 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 around Kiwi Crates but we may incorporate a larger project 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.

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Wilderness Survival and Adventuring 1-5 - GL | ★ | 🔒

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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## ◆ Career Readiness ◆

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### NEW Life Skills: Friendship Builders 3-5 - GL | 🔒

This course for upper elementary students focuses on empowering students with essential life skills. Engaging discussions, team projects, and real-life scenarios help children develop emotional intelligence, conflict resolution strategies, and decision-making abilities. By fostering a growth mindset, students learn to manage emotions, navigate social challenges, and strengthen peer relationships. Through collaborative activities, this online course instills a sense of community, enabling students to discover their leadership potential while enhancing their sense of belonging.

Elementary | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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## ◆ English Language Arts ◆

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### Cursive Handwriting 1-5 - 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 printed activity pages.

Elementary | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Essentials in Writing 1 - EW | 🖨️

Essentials in Writing Grade 1 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Elementary | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 2 - EW | 🖨️

Essentials in Writing Grade 2 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Elementary | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 3 - EW |

Essentials in Writing Grade 3 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Elementary | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 4 - EW |

Essentials in Writing Grade 4 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Elementary | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 5 - EW |

Essentials in Writing Grade 5 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Elementary | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### The Sounds and Shapes of Letters and Words K - GL |

This kindergarten course 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: GLVP | This course can only be taken once

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## ◆ Fine & Performing Arts - Art ◆

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### 3D Art and Artists K-5 - GL | |

Students will build their artistic knowledge of three-dimensional artwork by exploring the history, styles and artists of topics such as: ceramics, sculpture, glass art, recycled art, mosaics, environmental art, 3D printing and much more! This virtual course delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Applied Art 3-5 - GL |

This introductory art course offers simple, fun learning units that will introduce upper elementary students to basic art terms and how to apply them to their own artwork. The course begins with the 7 elements of art: line, shape, color, value, texture, form, space. The second portion of the course covers the 7 principles of design: balance, contrast, emphasis, movement, pattern, proportion and variety. We will explore artwork that spans two and three dimensions, and a variety of mediums and artists that reflect these fundamentals. Through engaging with these concepts, students will strengthen their art vocabulary and learn how to look at art like a pro! Students will develop an understanding of the ways in which these terms can be used and applied to all types of art. This virtual course delivers content through engaging assignments, activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Applied Art K-2 - GL |

This introductory art course offers simple, fun learning units that will introduce elementary students to basic art terms and how to apply them to their own artwork. The course begins with the 7 elements of art: line, shape, color, value, texture, form, space. The second portion of the course covers the 7 principles of design: balance, contrast, emphasis, movement, pattern, proportion and variety. Students will develop an understanding of the ways in which these terms can be used and applied to all types of art. This virtual course delivers content through engaging assignments, fun activities and quizzes.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Around the World with Art K-5 - GL | |

Bon Voyage! Each week, students will adventure to a new location around the globe and learn about that location's culture, including cuisine, wildlife and geographic features. After briefly learning about that location's society, students will explore a variety of topics such as the artwork, artists, architecture, styles, techniques, and artistic influences of that particular location. This virtual course delivers content through updated and engaging lessons, assignments, and projects. How many stamps will you get in your passport as you travel 'Around the World with Art'?

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Art Appreciation K-5 - GL |

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: GLVP | This course can be taken up to 2 times

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### Confectionery Arts 2-5 - GL | |

This virtual course will teach the basics of creating confectionery art. Our mediums will include rolled fondant, shape cutters, a variety of icing types, candy melts, sprinkles, colored sugars, food grade coloring, marshmallow, and many other artistic, food grade materials. This course will teach beginning techniques and introduce tools to creating art of this form. This course delivers content through engaging assignments, fun activities, and quizzes.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Exploring Art K-5 - GL |

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: GLVP | This course can be taken up to 2 times

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### Learning Actively in Crafts K-5 - GL |

In this course, students will explore a variety of topics to create artistic pieces, such as models of the ocean floor using edible items of your choice, 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. Seuss 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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 6 times

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### Painting Fundamentals K-5 - GL |

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: GLVP | This course can be taken up to 2 times

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### The Art of Today K-5 - GL | |

Many of the most famous artists you often learn about in art classes such as Vincent van Gogh and Leonardo da Vinci have not been around for hundreds of years. So what about the artists who are making a difference and creating art at this very moment? This brand new elementary course focuses on artists who are using the technology and materials of modern day to make exciting artwork! Each unit will focus on a new artist or artistic technique used in the world of art today!

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### 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 | This course can only be taken once

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## ◆ Fine & Performing Arts - Dance ◆

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### Art and Methods of Dance K-5 - GL |

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 6 times

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### Dancing from A-Z K-5 - GL |

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: GLVP | This course can be taken up to 6 times

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### **The Art of Dance K-5 - GL** |

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 6 times

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## **◆ Fine & Performing Arts - Music ◆**

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### **Creative Learning through Music and Play K-2 - GL** |

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 | Platform: GLVP | This course can be taken up to 4 times

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### **Music Applied 3-5 - GL** |

This course is designed for the elementary student, grades 3rd-5th, 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 exciting listening reflections, general music knowledge for their instrument or voice, and activities enhancing independent musical abilities such as musical staff review, beginning music theory, rhythm and melody exercises, expression, and some simple music history. Virtual assignments may also include introduction to the instruments of the band, orchestra, and voice types. Virtual Content is appropriate for grades

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### **Music Beginnings K-2 - GL** |

This course is designed for the early elementary student and provides a foundation for their theoretical and practical music knowledge. Virtual assignments include listening reflections, beginning general music knowledge for their instrument or voice, and activities enhancing musical abilities such as musical staff foundations, beginning rhythm exercises, etc. Virtual assignments may also include introduction to the instruments of the band, orchestra, voice types, and more. Virtual assignments are appropriate for grades K-2.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### **Music Explorations 3-5 - GL** |

This course is designed for the upper elementary student looking to continue their personalized study of music by focusing more in depth on a specific instrument or voice, or choosing a second instrument to explore. Music Applied is a corequisite for this course (they must be taken simultaneously). Students will complete virtual assignments including listening reflections and musical analysis. We will review the components of musical notation, rhythm and melody exercises, expression, and some extended music history. Virtual assignments may also include introduction to the instruments of the band, orchestra, and voice types.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### **Music Explorations K-2 - GL** |

This course is designed for the lower elementary student looking to continue their personalized study of music by focusing more in depth on a specific instrument or voice, or choosing a second instrument to explore. Music Applied is a corequisite for this course (they must be taken simultaneously). Students will complete virtual assignments including listening reflections, musical staff review, rhythm and melody exercises, expression, and some extended music history. Virtual assignments may also include introduction to the instruments of the band, orchestra, and voice types.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Music for Ensembles 3-5 - GL |

This course is designed for the upper elementary student who has an interest in group ensembles or group general music classes that teach the fundamentals of music. The focus is on learning how to be an effective member of an ensemble or musical learning group. The student will develop a continuing understanding of ensemble participation, whether it be instrumental or vocal. There will be many opportunities for learning about, and how to participate in, different types of ensembles as an independent musician. This course delivers fun, engaging content, ensemble listening and participation, understanding of vocal and instrumental knowledge through many hands-on activities. Virtual assignments will include a breakdown of the instruments of the band, orchestra, voice types, general music fundamentals, and more. (This course will build upon concepts from Music for Ensembles 2-5, but does not require it as a prerequisite).

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Music for Ensembles K-2 - GL |

This course is designed for the lower elementary student who has an interest in group ensembles or group general music classes that teach the early fundamentals of music. The focus is on learning how to be an effective member of an ensemble or musical learning group. The student will develop a basic understanding of ensemble participation, whether it be instrumental or vocal. There will be many opportunities for learning about, and how to participate in, different types of ensembles as an independent musician. This course delivers fun, engaging content, ensemble listening and participation, understanding of vocal and instrumental knowledge through many hands-on activities. Virtual assignments will include an introduction to the instruments of the band, orchestra, voice types, general music fundamentals, and more.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Music From Around the World 3-5 - GL | |

Come learn about music from other cultures! As we (virtually) travel to other countries, we will listen to music from around the world and learn about traditional instruments. We will sing folk songs, learn musical games, and listen to folk tales. Come explore the rich landscape of music from around the world! No previous musical experience necessary.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Fine & Performing Arts - Theater ◆

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### Theatre Arts 3-5 - GL | |

This course, designed for upper elementary students, will focus on the basics of acting and drama, including creative role play, imagination, and emotional learning activities. Students will learn about music and dance, as well as how to use your voice and physical space to communicate a message. Students will act out a simple scene with puppets, recite a poem from memory (via video), and analyze famous scenes from modern American theatre for meaning. No prerequisite required.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Theatre Arts K-2 - GL | |

This course, designed for lower elementary students, will focus on the very fundamentals of acting and drama, including creative role play, imagination, and emotional learning activities. We will talk about the basics of music and dance, as well as how to use your voice and physical space to communicate a message. We will retell stories, act out a simple scene with puppets, recite a poem from memory, and experience moments from modern theatre. No prerequisite required.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Literature ◆

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### **Folktale Fun K-2** - GL | ★ | 🔒

In this virtual course, we will explore classic stories such as The Tortoise and the Hare, Goldilocks and the Three Bears, and Paul Bunyan. When available, we will also explore different variations of the stories that we cover. We will be exploring the setting, characters, and morals/lessons of the stories. The goal for this course is to have exposure to classic literature and enjoy it together!

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### **Jr. Kidlit K-2** - GL | 📖

Let's explore all kinds of topics of interest to early elementary students, with a good grounding in multiple subjects! We will utilize material from the Five in a Row series for the course, and apply this model with other books. This involves reading a well-written children's picture book aloud for 2 weeks in a row of class, and intentionally expanding on different subject areas that come up naturally in the story.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### **Playful Explorers K-2** - GL | 🔒

Playful Explorers is a course designed to help grow learners who look at the world with a sense of wonder. Young children will discover and experience learning that will develop them socially, emotionally, and cognitively through games, crafts, music and movement, stories and other activities. We will explore topics through a variety of sensory stimulation, good literature, and conversation. Each month will offer different central themes and character traits. Some of these topics are: The World I Live in, Autumn and Apples, Winter and Hibernation. Some character traits we will explore thankfulness, kindness, and patience through games, crafts, music and movement, stories, and other activities. This virtual course delivers engaging, fun lessons, assignments, and activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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## ◆ Physical Education & Health ◆

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### **Fencing 2-5** - GL | 🔒

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.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### **Muscles and Movement 3-5** - GL | ★ | 🔒

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: GLVP | This course can be taken up to 3 times

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### **Muscles and Movement K-2** - GL | ★ | 🔒

This virtual course will introduce early elementary students to the role that health and wellness play in how our bodies work. The content will build a foundation of knowledge of the human body and the importance of an active lifestyle. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Personal Wellness 3-5 - GL |

This 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: GLVP | This course can be taken up to 3 times

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### Personal Wellness K-2 - GL |

This early elementary course introduces current topics in health, nutrition, physical activity and wellness in a child's life. Students will learn how their choices affect 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: GLVP | This course can be taken up to 3 times

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### Sports and Fitness 3-5 - GL |

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: GLVP | This course can be taken up to 3 times

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### Sports and Fitness K-2 - GL |

This course will introduce early elementary students to basic concepts of physical fitness along with an introduction to various recreational, individual and team sports. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## Science

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### Farm Fun 3-5 - GL |

In this virtual course, we will learn about the basics of farming as it relates to crops, machinery, and livestock! We will explore different types of crops (corn, wheat, soybeans, hay, etc.) and about how machinery (and even animals) can be used to plant and harvest those crops. We will also explore the many options for livestock—cattle, pigs, horses, and sheep to name a few. Students will learn about life cycles of animals and plants, including proper terminology.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Farm Fun K-2 - GL |

In this virtual course, we will learn about farm animals, crops, and machinery! Some of the farm animals that we will learn about include: cows, pigs, goats, sheep, and horses. We will also learn about different types of crops (corn, wheat, soybeans, hay, etc.) and about how machinery (and even animals) can be used to plant and harvest those crops. Students will learn about basic life cycles of animals and plants and will learn proper terminology for adult and baby animals.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Michigan Woods, Water, and Wildlife 2-5 - GL | ★ | 📍

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.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Ocean in Motion 2-5 - GL | ★ | 📖

This course will be an interactive study of the oceans, ocean weather patterns, zones, mysterious features and abundant living creatures. Students will learn about ocean salt water, the water cycle, ocean zones, climate zones, ocean food webs/chains, and the many creatures that live in the ocean. Other ocean topics include the continental shelf, the sunlit zone, continental slope, the twilight and midnight zones and the bioluminescent creatures that live there. In addition, we will learn about the abyss at the bottom of the ocean where we will encounter marine snow, blind crabs, vent bacteria and tubeworms. This virtual course delivers video lessons, quizzes, and access to additional unassigned resources.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Plants: Exploration Around the World K-5 - GL | 📍

In this course students will take a virtual trip around the world while exploring plants indigenous to the seven continents. Every few weeks we will venture to a new continent and discover plants that are used for food, shelter, medicine, etc. Spices and herbs will also be explored along with favorite plant based recipes of the area being studied. Related basic botany and geography concepts will be introduced, making this a truly integrative course.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 6 times

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### Survey in Nature 3-5 - GL | 📍

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.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Sustainable Living Practices K-5 - GL | ★ | 📍

If you are interested in an educational and engaging learning experience about sustainable living methods and practices, this course is for you! Sustainability is the capacity of our human society to continue indefinitely with Earth's natural cycles. In Sustainable Living Practices, Elementary students will be introduced to the concept of being a good steward to our environment. Join us to learn about sustainable living practices and methods for foraging, harvesting food, how to reuse, recycle, composting, fiber arts, alternative energy, freshwater, shelter building, and more. Learn the importance of using resources so that the resource is not depleted or permanently damaged. Students will have the opportunity to apply what they learn and join a variety of optional field trip opportunities. This virtual course delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Wild and Woolly 2-5 - GL | ★ | 📍

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 delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Social Studies ◆

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### Art and Culture through American Girls I K-5 - GL |

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 delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Art and Culture through American Girls II K-5 - GL |

This class will explore a variety of cultures and crafts from around America. We will 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. Examples of projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures. We will study the dolls in chronological order beginning with Kaya and the Nez Perce tribe through Julia the cool, groovy doll of the 1970s. This class has a three-year cycle. There are no prerequisites, and each class can be taken independently depending on the student's interests. We will bring stories to life to enrich the students learning through drama activities, American Girl book series will be available for students to read. This virtual course delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Art and Culture through American Girls III K-5 - GL |

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 delivers content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Crafts and Cooking from Cultures Around the World K-5 - GL |

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Exploring the Fifty States K-5 - GL |

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 | Platform: GLVP | This course can be taken up to 3 times

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### Native American Oral Traditions K-5 - GL |

Before there was the internet, or television, or even books; Native American children listened to stories around the fire as told by their elders. They learned about the history of their ancestors through these fireside stories about people, land, plants and animals. Storytelling, drumming and singing were all different ways to learn and connect with one another. Have you ever sat around a campfire and listened to stories? In this course you will discover different ways to learn in the Native American way!

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### World Connections 1-5 - FL |

Through the use of interactive technology, art, stories, crafts, cooking and other hands-on activities included in Kiwico's Atlas Crate students will be able to experience a typical day in the life of people from other countries around the world. We will examine differences and similarities to our own way of life, and discuss the variety among people of a single nation. Students will immerse themselves in the culture and customs of various countries learning about the geography, history, customs, beliefs, festivals, music and local cuisine.

Elementary | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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## World Language

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### American Sign Language Beginner K-5 - GL |

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 content through engaging assignments, quizzes and fun activities.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 6 times

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### Spanish Language And Culture 4-5 - GL |

This Spanish class is full of fun learning! Songs, games, celebrations, sensory play and stories help young students develop an interest and learn Spanish through a natural and interactive approach to the language. Basic Spanish grammar, reading and writing is also introduced. This virtual course delivers engaging, videos, activities and assignments.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Spanish Language And Culture K-3 - GL |

This Spanish class is full of fun learning! Songs, games, celebrations, sensory play and stories help young students develop an interest and learn Spanish through a natural and interactive approach to the language. Basic Spanish grammar, reading and writing is also introduced. This virtual course delivers engaging, videos, activities and assignments.

Elementary | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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# Middle School

## Essential Virtual Course Descriptions

## ◆ English Language Arts ◆

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### English Language Arts 6A - LI |

English Language Arts 6 introduces and builds the fundamental skills of English language arts, including reading, writing, speaking, listening, and using language. This course helps transition students from an elementary setting to the middle school learning environment. Students explore a variety of texts from a range of time periods, literary genres, and writers. From classic authors to contemporary creative writers, students study the use of language and literary devices to improve reading comprehension and to apply to their own skill sets. In addition to reading, students strengthen their writing skills through several modes of composition, such as entertainment, persuasive, poetic, and expository texts. They learn how to construct a well-written five-paragraph essay. Notably, students learn to conduct research, cite sources in MLA formatting, and compose a formal research essay. The final topic of the course provides the opportunity for students to either read a novel or examine a variety of excerpts from novels. This topic encompasses the fundamental skill sets built throughout the year. Students complete creative projects such as creating an original piece of folklore and writing an original poem. These projects encourage students to highlight their talents and skills. This course emphasizes the importance of independent and creative thinking and integrates social-emotional learning.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### English Language Arts 6B - LI |

English Language Arts 6 introduces and builds the fundamental skills of English language arts, including reading, writing, speaking, listening, and using language. This course helps transition students from an elementary setting to the middle school learning environment. Students explore a variety of texts from a range of time periods, literary genres, and writers. From classic authors to contemporary creative writers, students study the use of language and literary devices to improve reading comprehension and to apply to their own skill sets. In addition to reading, students strengthen their writing skills through several modes of composition, such as entertainment, persuasive, poetic, and expository texts. They learn how to construct a well-written five-paragraph essay. Notably, students learn to conduct research, cite sources in MLA formatting, and compose a formal research essay. The final topic of the course provides the opportunity for students to either read a novel or examine a variety of excerpts from novels. This topic encompasses the fundamental skill sets built throughout the year. Students complete creative projects such as creating an original piece of folklore and writing an original poem. These projects encourage students to highlight their talents and skills. This course emphasizes the importance of independent and creative thinking and integrates social-emotional learning.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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### English Language Arts 7A - LI |

English Language Arts 7 introduces students to reading a wide array of literature and informational texts. In addition, students explore the elements of literature, focusing on plot, setting, and characters. By studying language and engaging in different writing assignments, students begin to explore different ways to state their opinions, to make claims, and to verbalize in an effective manner.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### English Language Arts 7B - LI |

English Language Arts 7 introduces students to reading a wide array of literature and informational texts. In addition, students explore the elements of literature, focusing on plot, setting, and characters. By studying language and engaging in different writing assignments, students begin to explore different ways to state their opinions, to make claims, and to verbalize in an effective manner.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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### English Language Arts 8A - LI |

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### [English Language Arts 8B - LI](#) |

English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts, and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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## ◆ Math ◆

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### [Mathematics 6A - LI](#) |

Mathematics 6 introduces students to rational numbers and explores the concept of absolute value. Students work with ratios and rates to analyze relationships, and they connect these concepts to percents. Students also apply all four operations to decimal numbers, using the concepts to solve real-world application problems. In this course, students begin their study of Algebra by learning about mathematical expressions, equations, and inequalities. They analyze data and display data using statistical methods. Students also explore two- and three-dimensional shapes.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### [Mathematics 6B - LI](#) |

Mathematics 6 introduces students to rational numbers and explores the concept of absolute value. Students work with ratios and rates to analyze relationships, and they connect these concepts to percents. Students also apply all four operations to decimal numbers, using the concepts to solve real-world application problems. In this course, students begin their study of Algebra by learning about mathematical expressions, equations, and inequalities. They analyze data and display data using statistical methods. Students also explore two- and three-dimensional shapes.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### [Mathematics 7A - LI](#) |

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. Students hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. Students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### [Mathematics 7B - LI](#) |

Students in Mathematics 7 begin their journey on the pathway to developing a strong mathematics framework. Students hone their arithmetic skills in this course, preparing them for more difficult and detailed calculations. Students work through fractions and decimals and begin developing algebraic skills by learning to work with and solve two-step equations. Students also explore probabilities, data, and statistics.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### [Mathematics 8A - LI](#) |

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points' distances. Students also study the scientific notation, which assists them in computations and provides a framework for more difficult calculations.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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## Mathematics 8B - LI |

Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points' distances. Students also study the scientific notation, which assists them in computations and provides a framework for more difficult calculations.

Middle School | Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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## ◆ Science ◆

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### Science 6A - LI |

Science 6 takes students on a journey that incorporates life science, Earth and space science, and physical science concepts. Students begin by studying topics related to the nature of science and engineering, and they gain the skills necessary to succeed in investigations and engineering labs within the course. They learn how matter and energy interact and aid in creating the world around them. Students discover the unique properties of Earth that make it a sustainable planet for living organisms. Students will take an in-depth look at cells and their specialized structures, a variety of habitable ecosystems, and the abilities plants and animals have to adapt to various surroundings. Along with learning about the life on Earth, students will study the atmosphere and weather that has made Earth habitable for humans. They investigate ways to be more environmentally conscious by exploring how populations are affected by various environmental factors. Students work toward discovering solutions to these problems. This course includes multiple-day projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### Science 6B - LI |

Science 6 takes students on a journey that incorporates life science, Earth and space science, and physical science concepts. Students begin by studying topics related to the nature of science and engineering, and they gain the skills necessary to succeed in investigations and engineering labs within the course. They learn how matter and energy interact and aid in creating the world around them. Students discover the unique properties of Earth that make it a sustainable planet for living organisms. Students will take an in-depth look at cells and their specialized structures, a variety of habitable ecosystems, and the abilities plants and animals have to adapt to various surroundings. Along with learning about the life on Earth, students will study the atmosphere and weather that has made Earth habitable for humans. They investigate ways to be more environmentally conscious by exploring how populations are affected by various environmental factors. Students work toward discovering solutions to these problems. This course includes multiple-day projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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### Science 7A - LI |

Science 7 integrates life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. In this course, students explore the ways in which humans have an impact on Earth's ecosystems and resources. They study the different forces at work on Earth and throughout the universe, learning about their importance in technologies and everyday phenomena. Students also investigate evidence of past life on Earth and how it evolved into the life that exists today. This course allows students to dig deeper into the inheritance of organisms and how these organisms adapt to their environments. Finally, students are introduced to waves, exploring how both sound and light waves are used in communication. This course includes multiple-day engineering design projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### Science 7B - LI |

Science 7 integrates life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. In this course, students explore the ways in which humans have an impact on Earth's ecosystems and resources. They study the different forces at work on Earth and throughout the universe, learning about their importance in technologies and everyday phenomena. Students also investigate evidence of past life on Earth and how it evolved into the life that exists today. This course allows students to dig deeper into the inheritance of organisms and how these organisms adapt to their environments. Finally, students are introduced to waves, exploring how both sound and light waves are used in communication. This course includes multiple-day engineering design projects and hands-on labs, which are driven by real-world phenomena and meaningful story lines.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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### Science 8A - LI |

Science 8 combines the subjects of life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. Students further their knowledge of the interactions of matter, learning about the properties of the periodic table and how reactions occur. Next, students learn about reproduction in cells and inheritance. In this part of the course, students analyze the difference between types of reproduction in cells, leading them to determine how traits and genetic differences in DNA occur. Students travel back in time and determine how clues from life in the past help to explain, map, and classify existing life on Earth. Students also explore ecosystems and how precious they are to life on Earth, analyzing how even the smallest impacts can have large effects on populations. Finally, students investigate wave technologies and how those technologies are used on Earth for advancements in science and economic growth.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### Science 8B - LI |

Science 8 combines the subjects of life science, Earth and space science, and physical science, while incorporating both engineering and scientific methods. Students further their knowledge of the interactions of matter, learning about the properties of the periodic table and how reactions occur. Next, students learn about reproduction in cells and inheritance. In this part of the course, students analyze the difference between types of reproduction in cells, leading them to determine how traits and genetic differences in DNA occur. Students travel back in time and determine how clues from life in the past help to explain, map, and classify existing life on Earth. Students also explore ecosystems and how precious they are to life on Earth, analyzing how even the smallest impacts can have large effects on populations. Finally, students investigate wave technologies and how those technologies are used on Earth for advancements in science and economic growth.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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## ◆ Social Studies ◆

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### Ancient History 7A - LI |

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### Ancient History 7B - LI |

Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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**Geography MS 6A - LI** | 

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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**Geography MS 6B - LI** | 

Students learn to study the Earth's landscape in Middle School Geography. In this course, students learn that geography extends beyond physical structures by exploring geographical facets such as regions, ethnicities, and trade routes, in addition to landforms. By studying the geography, history, culture, religion, and contemporary issues facing a certain group of people or a specific area of space, students discover a significant amount of information about people in the present and in the past.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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**U.S. History MS 8A - LI** | 

Middle School U.S. History explores the history of the United States from before the arrival of Europeans in North America to the events of the 2016 presidential election. Students begin the course by examining North America before the arrival of European explorers and the establishment of colonies. Students learn about life in the colonies, British rule, and the events that led to the Revolutionary War. After learning about the American Revolution, students explore early U.S. government, westward expansion, the influence of the Industrial Revolution, and the Civil War. Then, they study life after the Civil War, Progressivism, Imperialism, and the onset of World War I. Next, students analyze the Roaring Twenties, the Great Depression, and World War II. Finally, students examine the Civil Rights movement, the Cold War, life in the 1960s and 1970s, and modern-day policies and events.

Middle School | Essential | First Semester | Platform: Lincoln | This course can only be taken once

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**U.S. History MS 8B - LI** | 

Middle School U.S. History explores the history of the United States from before the arrival of Europeans in North America to the events of the 2016 presidential election. Students begin the course by examining North America before the arrival of European explorers and the establishment of colonies. Students learn about life in the colonies, British rule, and the events that led to the Revolutionary War. After learning about the American Revolution, students explore early U.S. government, westward expansion, the influence of the Industrial Revolution, and the Civil War. Then, they study life after the Civil War, Progressivism, Imperialism, and the onset of World War I. Next, students analyze the Roaring Twenties, the Great Depression, and World War II. Finally, students examine the Civil Rights movement, the Cold War, life in the 1960s and 1970s, and modern-day policies and events.

Middle School | Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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# Middle School

## Non-Essential Virtual Course Descriptions

## ◆ Applied Technology ◆

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### Advanced Bushcraft MS - GL | 📍

Advanced Bushcraft takes over where Wilderness Survival Adventuring ends. Instead of focusing on immediate needs, Advanced Bushcraft delves into the long-term skills needed to not just survive the elements but flourish in the outdoors. We will hone skills by learning how to build a long-term base camp using only three basic hand tools that you could easily carry with you into the wilderness. We will develop the necessary skills to build all the other various pieces of equipment we will need using only those three basic hand tools along with the materials we find around us in nature. We will also be learning how to construct a long-term shelter with indoor heating, cooking and light sources along with furniture made from all natural materials to build comfort into our long-term outdoor experience. Upon completion, students will have the knowledge and ability to design and construct their own backpacks, snowshoes, tools and food caches, along with learning basic hunting, trapping, fishing and foraging skills plus methods for long-term preservation of their provisions.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Being a Successful Online Learner MS - GL | 📖

This course will cover a broad range of topics for online learning success: keyboard skills, digital citizenship, using a Chromebook and Google Apps, study skills, time management for an asynchronous schedule, effective online communication, understanding their digital footprint, presentation tools, and more. Students will be able to demonstrate an understanding of what virtual learning encompasses and the skills needed to succeed, both personal and professional, with a focus on success within their GLVP courses. Proficiency in using platforms and accessing courses; demonstration of independent learning skills for studying, creating planners, and using Google Apps; and knowledge of students' own digital footprint and digital citizenship will be developed throughout the course.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Build and Program your own Computer I MS - FL | 🖥️

Students will start with their very own Piper Mini 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. With the Piper Computer Kit, we will not only make fun and simple programs on computers we built, but we will also make and test our 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! In the second semester, 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. All materials are supplied. This virtual course delivers engaging assignments, fun activities, and quizzes. The course is ideal for highly motivated students who revel in problem-solving and possess comfort and proficiency with technology.

Middle School | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Building Beyond Legos MS - FL | 📍

Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including creating chain reactions and their own mini Rube Goldberg Machine. We will also learn more about engineering principles and build a variety of bridges + simple machines, and even delve into pneumatics and hydraulics as we build machines powered by air pressure! Skills acquired include logic and problem solving, troubleshooting, following instruction, imitating conceptual ideas, and creative design. 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: FunLearning | This course can be taken up to 2 times

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### Coding 1A: Introduction MS - ED | ★ | 📖

Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off.

Middle School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Coding 1B: Learning Python and Javascript MS - ED | ★ | 🖥️

Let's take the coding skills you learned in the previous course to the next level! You'll expand your knowledge with Advanced Python, HTML, and JavaScript. You'll further build out your portfolio and start thinking about a career in the fast-growing IT field.

Middle School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Computer Basics MS - GL | ★ | 🗣️

This class is designed to make students more comfortable with basic computer functions. Students will learn proper keyboard typing format, organization and file/folder management, email/communication netiquette, and basic use of Google Suites - Docs, Sheets, Forms, Drawings Slides. Students will work with Google for Education to learn how to professionally work with Google for coursework. Students will also learn what it means to be a good digital citizen and explore the topic of Internet safety.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Digital Art and Design MS - ED | 🖥️

The world is filled with so many different forms of art - including digital art. In this course, you'll explore this special genre of art found in everything from advertising to animation to photography and beyond. Additionally, you'll tap into your creative side to create digital art and make it come alive!

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Drone Building MS - FL | 🗣️

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 writing some simple programs with Blockly and Arduino to fly CoDrone. Students will go on to learn how to solder, 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 (2nd semester) – using Radio Shack's DIY Drone Starter Kit and work together on a SeaPerch underwater UAV. Upon completion of the build and the course, students may take home their final mini drone and practice solder kit. Finally, students will research and compare individual components and will put together a drone from scratch, or students will have the option to focus the last part of the year working towards their drone pilot license. This virtual course delivers engaging assignments, fun activities, and quizzes. The Drone Building course is ideal for highly motivated students who revel in problem-solving and possess comfort and proficiency with technology.

Middle School | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Experiencing Arts and Technology MS - GL | ★ | 🗣️

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 content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | First and/or Second Semester | Platform: GLVP | This course can be taken up to 3 times

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### Exploring the World Through Virtual Reality MS - FL | 🗣️

Students will gain familiarity with the world of Virtual Reality, including the technology involved, its uses, and its limitations. We will use VR as a medium to explore the world around us, from visualizing forces of motion or parts of an atom, to building electrical circuits and watching current flow, to exploring remote parts of our world – from the polar ice caps to the deep sea! Students will learn how to conduct experiments and gather data through VR, and see how it can be used as an inquiry tool to help us understand the incredible forces at play around us.

Middle School | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Game Design MS 1A: Introduction - ED | ★ |

We love to play video games, but have you ever wanted to build your own? If you are interested in a career in technology but also want a creative outlet, Game Design might be the field for you. Learn how to build a game from the ground up in this interactive and hands-on course that will teach you all the ins and outs of making your own game.

Middle School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Game Design MS 1B: Creating a Game - ED | ★ |

It's time to take your Game Design knowledge up a level! You built your game design skills and Scratch techniques in the first part of this course. By the end, you wrote your game design document. Now you are ready to start developing that game! You'll create details and add component pieces in a game while learning to prototype, troubleshoot, and test.

Middle School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Introduction to Computer Programming A - LI |

The Introduction to Computer Programming course, a course for middle school students, provides a foundation for future programming courses. Students gain a broad overview of computer programming by exploring the logic, thought processes, and basic elements of writing code. As part of this exploration, students examine various programming languages, databases, and the Internet. Through this overview of computer programming, students relate the course concepts to daily life by investigating careers in technology and by learning how to responsibly navigate through our digital society.

Middle School | Non-Essential | First Semester | Platform: Lincoln | This course can only be taken once

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### Introduction to Computer Programming B - LI |

The Introduction to Computer Programming course, a course for middle school students, provides a foundation for future programming courses. Students gain a broad overview of computer programming by exploring the logic, thought processes, and basic elements of writing code. As part of this exploration, students examine various programming languages, databases, and the Internet. Through this overview of computer programming, students relate the course concepts to daily life by investigating careers in technology and by learning how to responsibly navigate through our digital society.

Middle School | Non-Essential | Second Semester | Platform: Lincoln | This course can only be taken once

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### Logic & Critical Thinking Through Chess - FL |

Students will learn about prioritization, analysis, memory enhancement, visualization, and natural consequences by playing Chess! This course will introduce how to play the game, principles of good play (including piece development and center control, King safety, etc), tactical strategies (including Pins, Forks, Double attacks, pawn formations, open vs. semi-open files, and more), and Opening/Middle/Endgame play. Students will also learn about tournament play, including time/clock management, keeping scores, and good sportsmanship/etiquette. Students will have the opportunity to learn directly from an expert in the chess community. They will also receive their own USCF rating and play in at least one rated tournament (online options available). Students are not required to purchase any materials for this class -- they will be provided with a chess set, a membership to Aimchess for personalized weekly homework and the United States Chess Federation (USCF), books on Chess strategies, and scorekeeping books.

Middle School | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 3 times

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### Puzzles, Games and Logic MS - FL |

Learn strategy, logic, pattern recognition, and problem-solving through games! We will use a variety of games to build critical thinking and tactics. Games vary from year to year (this course may be taken for two years in a row). Past games include Set, Clue, Bananagrams, Catan, Mastermind, Ticket to Ride, Election Night, and more. 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: FunLearning | This course can be taken up to 2 times

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### Reverse Engineering MS - GL| ★ | 🗣️

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: GLVP | This course can be taken up to 2 times

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### Robotics I MS - FL| ★ | 🗣️

Students will learn to build and program robots using a LEGO SPIKE Prime Robotics Kit, which includes two different types of motors, a mini screen, and four different sensors -- color, pressure, gyro, and distance sensors. We'll build a variety of robots like a wind meter (using real weather data from the cloud), a workout tracker, robotic claw, and a lockbox. Projects can be done by following along with our online videos. This virtual course offers engaging lessons, resources, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: FunLearning | This course can be taken up to 2 times

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### Tech Ed MS - GL| ★ | 🗣️

Are you interested in 3D printing, desktop CNC machines, laser cutting and etching, silicone and epoxy mold making, the basics of CAD (Computer Aided Design) or CAM (Computer Aided Manufacturing)? If you said yes, then this course will introduce you to those skills and technology along with several more! We will also spend time on the basics of microcontroller wiring and programming that are the basis for home automation and robotics. This virtual course will allow middle school students to learn not only the basics, but then allow them to delve deeper into their interests to see how they can take their ideas from concept to reality.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Tinkering Advanced MS - FL| ★ | 🖨️

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, a Ukulele, or a Mechanical Lockbox from Kiwico's Eureka Crate line. Students can take this course for two years in a row without repeating crates. We will also explore concepts related to each crate, including their history the electrical/physical principals that enable each creation to function. 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: FunLearning | This course can be taken up to 2 times

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### Wilderness Survival and Adventuring MS - GL| ★ | 🗣️

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 content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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## ◆ Business ◆

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### Exploring Business MS - ED | ★ |

Are you interested in business, leading people, or making decisions to help a business be successful? While there are many different career choices in the field of business, in this course, you'll discover options such as management, human resources, business operations, information management, and accounting. Explore the skills you'll need, common tasks, the technology used, and characteristics of various business careers.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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## ◆ Career Readiness ◆

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### Career Exploration 1 Charting Your Path MS - ED | ★ |

How do you pick a career path when you're not sure what's even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You'll align your interests, wants, and needs to career possibilities, including the required education for each. Let's find a pathway that works for you.

Middle School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Career Exploration 2 MS - ED | ★ |

Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? In this course, you'll explore more careers and what it takes to succeed in different fields. You'll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices to find one that's best for you.

Middle School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Exploring Health Science MS - ED |

Where do healthcare workers spend their days? What do they really do? From cruise ships to sports arenas, you can find healthcare workers in many places that you might not expect. Explore this field, including what it would be like to work in a medical lab. Learn what it takes to keep you and your patients safe, and begin to learn about the human body and basic first-aid.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Exploring Information Technology MS - ED | ★ |

Are you interested in creating a website or app, or managing various technology solutions, but not sure where to start? If so, then it's time to explore the different career options available to you in IT and learn the foundations of IT to get you started. Examine various IT pathways of web and digital communications, information and support services, network systems, and programming and software development. Let's investigate which career pathway is right for you!

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Leadership Skills Development A MS - 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 Semester | Platform: Michigan Virtual | This course can only be taken once

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### Leadership Skills Development B MS - 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 | Second Semester | Platform: Michigan Virtual | This course can only be taken once

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### Learning in a Digital World: Digital Citizenship MS - ED | |

We use technology to communicate with friends and family, find never-ending entertainment options and do our schoolwork. Discover what it means to be a responsible digital citizen, expand your digital literacy, and become a successful online student. Consider the best ways to find, create, and share information, learn to maximize information and communication technologies, and explore digital content creation, from emails and blogs to social media, videos, and podcasts.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Life Skills: Hacking the Teen Years - GL |

In this course, middle schoolers embark on a learning journey aimed at equipping them with vital life skills for adolescence and beyond. Through dynamic group discussions, hands-on projects, and skill-building exercises, students explore concepts such as resilience, effective communication, and responsible decision-making. This online course emphasizes emotion management, conflict resolution, and the significance of positive relationships. By fostering a growth mindset and encouraging active participation, students develop leadership qualities and a deeper sense of belonging within their social circles and broader community.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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## ◆ English Language Arts ◆

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### Creative Writing MS - ED |

Literature is an important form of art that allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of reality. Explore the writing process and find inspiration to build a story of your own, and learn literary techniques to create hybrid forms of poetry and prose. Let's turn your creative thoughts and ideas into pieces of creative writing.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Cursive Handwriting MS - 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 printed activity pages.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Essentials in Writing 6 - EW |

Essentials in Writing Grade 6 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small "chunks" to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher "shows" students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Middle School | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 7 - EW |

Essentials in Writing Grade 7 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Middle School | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Essentials in Writing 8 - EW |

Essentials in Writing Grade 8 is a video-based writing course designed to empower young writers and supplement any core English Language Arts program. Students watch online video lessons that are presented in a systematic, step-by-step approach and then proceed to writing assignments. The writing lessons and assignments are presented in small “chunks” to help students understand, apply, and retain concepts. After a new or reviewed concept has been taught, the video teacher “shows” students HOW to apply the new concept in writing. Students submit writing assignments to a Gull Lake certified teacher who will provide feedback and be available to meet in person. Both grammar and composition lessons are taught. This course includes a printed textbook/workbook that will help support student learning.

Middle School | Non-Essential | Full Year | Platform: Essentials In Writing | This course can only be taken once

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### Exploring Cinema MS - LI |

Exploring Cinema introduces students to the basic concepts of film-making and cinematic productions. In this course, students begin to explore the technology used to create a film and begin to build an aesthetic appreciation of films. Students also explore media art and the ethics of media creation, giving them a perspective on the different ways the material can be presented.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Journalism: Tell Your Story MS - ED | |

Are you someone who likes to write to get the story straight? Skilled journalists know how to find key facts and write them up in a way that makes it easy for others to read. In this course, you'll learn how to ask the right questions, how to gather information effectively, organize ideas, format stories, and edit your articles. Get ready to break that news!

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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## ◆ Fine & Performing Arts - Art ◆

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### 2D Studio Art MS - ED |

Do you like to draw, paint, or take pictures? Whatever medium you prefer, this course will teach you the design elements and principles needed to create a work of art and explore your artistic inspirations. You'll also travel back in time to look at art in different cultures and learn about the art of critiquing. Let's turn your creative dreams into reality!

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### 3D Art and Artists MS - GL | |

Ranging from pottery, monumental sculpture, mosaics, glass-blowing, environmental art, 3D printing and more, this class introduces students to a vast variety of mediums, meant to inspire them for the endless possibilities three-dimensional art has to offer. Students will explore a vast variety of topics relating to three-dimensional art including the history, artists, materials and techniques. This virtual course delivers content through engaging assignments, quizzes and projects.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Applied Art MS - GL |

In this introductory art course, middle school students will learn the basics of creating, viewing and appreciating artwork using the elements of art and the principles of design. The course begins with the 7 elements of art: line, shape, color, value, texture, form, space. The second portion of the course applies the elements of arts in creating the 7 principles of design: balance, contrast, emphasis, movement, pattern, proportion and variety. We will explore artwork that spans two and three dimensions, and a variety of mediums and artists that reflect these fundamentals. Through engaging with these concepts, students will strengthen their art vocabulary and develop an understanding of the ways in which these terms can be used and applied to all types of art. This virtual course delivers content through engaging assignments, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Around the World with Art MS - GL | |

Bon Voyage! Each week, middle school students will be transported to a new global destination and begin with a quick look into the local society, covering topics such as cuisine, wildlife, and geographic features. After receiving background information on the culture, the focus of each unit will be exploring a variety of topics such as the local artwork, artists, architecture wonders, styles and techniques of that particular location. This virtual course allows students to unleash their creativity through engaging lessons, assignments, and projects.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Art Appreciation MS - GL |

Embark on a captivating journey through history! This course invites you to explore the diverse realm of visual art, spanning from the ancient world to the present day. Dive into the cultural and historical backgrounds that shaped artistic expressions and then zoom in on particular artists, art movements, and art mediums, including painting, sculpture, architecture, ceramics, fashion, and beyond! Dive into artworks, ponder reflective questions, and participate in interactive assignments and quizzes. Get ready to build your artistic expertise and uncover the fascinating evolution of art!

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Confectionery Art 1 MS - GL | |

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 course 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 course will teach beginning techniques and introduce tools to creating art of this form. This virtual course delivers content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Confectionery Art 2 MS - GL | |

This virtual course will continue to teach and develop skills from 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. Students will develop skills independently interacting with these mediums. The techniques and tools to creating art of this form will also be further explored in terms of their use in creating unique, original art and real-world application. This virtual course delivers content through engaging assignments, quizzes and fun activities.  
Prerequisite: 1 Year Confectionery Art

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Digital Media & Design MS - GL |

Embark on a captivating exploration of digital media and design! This course is tailored for middle school students eager to dive into the captivating world of visual storytelling. Students will begin with the art of digital photography, learning camera settings, shooting techniques, and skills in photo editing. Next is the realm of graphic design, unraveling topics such as typography and color theory to create stunning visuals and learn what makes a successful design. The course will continue with the film industry, capturing video and the exciting world of emerging technologies like virtual reality, artificial intelligence and game design. Throughout the course, students will uncover potential careers in digital media, allowing them to envision their future in this dynamic field. Express creativity through weekly quizzes and exciting projects that encompass the core concepts of the class.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Exploring Art MS - GL |

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: GLVP | This course can be taken up to 2 times

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### Painting Fundamentals MS - GL |

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: GLVP | This course can be taken up to 2 times

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### Photography 1A: Introduction MS - ED |

Photographs are all around us, and each helps to tell a story. Now it's time for you to create your story through photos you learn how to take in this course. Learn the basics of using a camera, lighting, and how to choose great subjects to create magazine-worthy photos and amaze your friends and family with your skills.

Middle School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Photography 1B: Drawing with Light MS - ED |

Do you have vacation photos or pics of your pet that need a little editing? How about getting ready to add that new selfie you took to your social media platform? Taking photos is an art, and editing photos is a skill that many photographers seek to master. Explore how to manipulate angles and lighting, the purpose for different types of photo files, how to use different software to edit photos, and safe places you can store them. You'll be well on your way to being an editing guru when you're done with this course.

Middle School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### The Art of Today MS - GL | |

Leonardo da Vinci, Michelangelo and Vincent van Gogh are all excellent artists but they also have one thing in common: they are historical figures. What about the artists who are making advancements in the artistic community at this very moment? This new middle school course focuses on artists who are using the technology, techniques and materials of modern day to produce new and exciting art. Each unit will introduce a new artist or artistic technique used in the world of art today!

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Visual Journaling MS - GL |

Visual Journals (sketch book, old novel or notebook) are places to record thinking in both writing and images. The journals will help you work on technical skills, while being a place for a creative outlet. Each week you will submit a 1-page prompted visual journal, using numerous multi-media techniques, along with writing, drawing, painting, layering and/or collage skills for your entries. The entries will be prompted involving Art history, genres of art, topography, new art techniques and/or creative thinking that will be discussed each week to go along with the prompt to get you inspired. Each entry will be graded on; 1) direct observational drawings, 2) collage and 3) writing. You will finish the class with a visual journal full of inspiring thoughts and practiced skills.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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## ◆ Fine & Performing Arts - Dance ◆

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### Art and Methods of Dance MS - GL |

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 it is and the importance of maintaining muscle memory. This virtual course delivers engaging content, assignments and quizzes.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Dancing from A-Z MS - GL |

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: GLVP | This course can be taken up to 3 times

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### The Art of Dance MS - GL |

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 content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Fine & Performing Arts - Music ◆

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### Exploring Music MS - ED | |

What comes to mind when you hear the word 'music'? Do you think about your favorite band or artist? In this course, you'll learn about how we hear music; how music affects our lives; essential elements of music like rhythm, pitch, and harmony; different musical genres; singing and your voice; various instruments; music composition; and the history and culture of music over the years.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Music Applied Level 1 MS - 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. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, basic music terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

Middle School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 2 MS - MF |

This interactive virtual course is designed for a continuing 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. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, music theory, terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

Middle School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 3 MS - MF |

This interactive virtual course is designed for the progressing 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. This virtual course's topics include instruments of the band and orchestra, world music, more advanced scales, sight reading, ear training, music theory, terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

Middle School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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### Music Explorations Level 1 MS - 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. Music Applied 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 | This course can only be taken once

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### Music Explorations Level 2 MS - MF |

This interactive course is designed for a developing middle school student looking to further explore their personalized study of music by focusing on a specific instrument or voice. Music Applied 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 develops their theoretical and practical musical knowledge. Students will complete weekly online assignments including music theory, a digital portfolio, ear training, sight reading, and 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 | This course can only be taken once

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### Music Explorations Level 3 MS - MF |

This interactive course is designed for an advanced middle school student looking to further explore their personalized study of music by focusing on a specific instrument or voice. Music Applied 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 develops their theoretical and practical musical knowledge. Students will complete weekly online assignments including more advanced music theory, ear training, sight reading, and music notation, as well as a digital portfolio. 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 | This course can only be taken once

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### Music From Around the World MS - GL | ★ | 🎵

Come learn about music from other cultures! As we (virtually) travel to other countries, we will experience music from around the world and study traditional instruments. Students will draw comparisons between cultures and see how essential music is to the human experience. Additionally, we will sing folk songs, learn musical games, and listen to folk tales. Come explore the rich landscape of music from around the world! No previous musical experience necessary.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Fine & Performing Arts - Theater ◆

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### Theatre Arts MS - GL | ★ | 🎭

This course is designed to be an introduction to the theatre arts for middle school students. We will study the history and vocabulary of theater, along with analyzing stage techniques such as diction and pantomime. Video performance opportunities will help students to build confidence and stage presence. We will examine scripts from the major contributors to the world of theatre, and students will have the opportunity to write an original scene of their own. No prerequisite required.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Literature ◆

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### Tale Teller - GL | 🎭

Have you ever wanted to apply your creativity and imagination to writing? In this course students will have the opportunity to experience famous authors of books, short stories, poetry, and prose. As they glean from the best, they will embark on their own creative writing journey. Students will have a goal to create at least one composition each semester. Through the learning process of revision, each student will have a chance to perfect their creative tales as far as their imagination can take them. Students will gain a comprehensive knowledge of basic punctuation and sentence structure within their composition. They will also gain a better understanding of parts of a story: characters, setting, plot, conflict, and resolution. Students will explore protagonist and antagonist, hero and villain, and points of view. This course will provide an encouraging environment for each student to tell amazing tales!

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Physical Education & Health ◆

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### Basketball Basics MS - GL | 🏀

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 delivers content through engaging assignments, quizzes and fun activities and includes the basic skills, rules of the game, and teamwork.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Fencing MS - GL | 🎯

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. This virtual course delivers engaging assignments, fun activities, and quizzes.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Health MS - LI |

By taking Middle School Health, students begin to learn and adopt healthier lifestyles, diets, exercise routines, and family dynamics. Middle School Health covers topics from improving lifestyles and nurturing familial relationships to lessening stress and promoting longer, healthier lives. Students study mental health and how it impacts the overall health of any individual directly. Finally, students learn more about decision-making and executing decisions that lead to improved overall health.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Muscles and Movement MS - GL |

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: GLVP | This course can be taken up to 3 times

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### Nutrition and Personal Fitness MS - LI |

In Middle School Nutrition and Personal Fitness, students explore nutrition, dietary needs, and physical fitness. With a foundation in nutrition principles and practices, students read food labels and identify food safety concerns. With regard to physical fitness, students analyze exercise guidelines that promote healthy lifestyles.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Personal Wellness MS - GL |

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: GLVP | This course can be taken up to 3 times

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### Sports and Fitness MS - GL |

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: GLVP | This course can be taken up to 3 times

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## ◆ Science ◆

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### Earth and Space Science MS A - LI |

In Middle School Earth and Space Science, students study the planet Earth and the extensive solar system structure in which it resides. They evaluate Earth's climate and its weather patterns and changes, and they learn about life science and how chemistry and physics play a role in Earth's major processes. Students also investigate climate change and the ways in which global warming impacts Earth. By evaluating the numerous facets of our planet, students prepare for higher level and more subject-specific science courses.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Earth and Space Science MS B - LI |

In Middle School Earth and Space Science, students study the planet Earth and the extensive solar system structure in which it resides. They evaluate Earth's climate and its weather patterns and changes, and they learn about life science and how chemistry and physics play a role in Earth's major processes. Students also investigate climate change and the ways in which global warming impacts Earth. By evaluating the numerous facets of our planet, students prepare for higher level and more subject-specific science courses.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Great Minds in Science MS: Ideas for a New Generation - ED |

What can we learn from animals and plants in different environments? Does life exist on other planets? Today, scientists, explorers, and writers are working to answer such questions. Like such famous minds from history as Edison, Einstein, Curie, and Newton, today's scientists are finding ways to revolutionize our lives and the world. Explore the extraordinary work of notable great minds in science and how their ideas may very well shape the world of tomorrow.

Middle School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Life Science MS A - LI |

Middle School Life Science introduces students to an integrated approach to physical and life sciences. Students study science concepts and problem solving, while exploring the many aspects of the living and nonliving world around them. Students review numerous cycles of life and study their impact on animal, plant, and human life. Students also investigate important topics in histology, heredity, and the biology of living organisms.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Life Science MS B - LI |

Middle School Life Science introduces students to an integrated approach to physical and life sciences. Students study science concepts and problem solving, while exploring the many aspects of the living and nonliving world around them. Students review numerous cycles of life and study their impact on animal, plant, and human life. Students also investigate important topics in histology, heredity, and the biology of living organisms.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Physical Science MS A - LI |

Middle School Physical Science introduces students to the foundational concepts of both physics and chemistry. Students begin by studying topics related to the nature of science and engineering, where they gain the skills necessary to succeed in inquiry-based and engineering labs. They move on to learn the general principles of chemistry and physics, including matter and energy, chemical reactions, motion and forces, and interactions of waves. This course allows students to explore these major concepts through unique labs based on real-world phenomena.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Physical Science MS B - LI |

Middle School Physical Science introduces students to the foundational concepts of both physics and chemistry. Students begin by studying topics related to the nature of science and engineering, where they gain the skills necessary to succeed in inquiry-based and engineering labs. They move on to learn the general principles of chemistry and physics, including matter and energy, chemical reactions, motion and forces, and interactions of waves. This course allows students to explore these major concepts through unique labs based on real-world phenomena.

Middle School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Plants: Exploration Around the World MS - GL |

Plants give animals and humans food, shelter, oxygen, medicine, fiber, fuel, beauty and more! In this course students will explore plant life on all seven continents. Related basic botany and geography concepts are also included. Did you ever wonder where cinnamon comes from? Which plant supplies the most oxygen? What health benefits do White Pine needles and rose hips share? How was pine resin used by the Anishinaabe people? Why is Broadleaf Plantain called white man's footstep? Is a banana plant a tree or a grass? These are just a few of the questions that will be answered during this year-long course of plant exploration.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Survey in Nature MS - GL |

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: GLVP | This course can be taken up to 3 times

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### Sustainable Living Practices MS - GL |

If you are interested in an educational and engaging learning experience about Sustainable Living Practices, this course is for you! Sustainability is the capacity of our human society to continue indefinitely with Earth's natural cycles. In Sustainable Living Practices, Middle school students will explore how individuals and societies can protect our natural resources and the importance of using resources so that the resource is not depleted or permanently damaged. Students will have the opportunity to apply what they learn through a variety of optional field trip opportunities. Join us to learn about sustainable living practices and methods including recycling, food supply, harvesting food, foraging, freshwater, alternative energy, greenhouses, soil health, fiber arts, shelter building, and more. This virtual course delivers content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## Social Studies

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### Native American Oral Traditions MS - GL |

This course will offer students an overview and exploration of Native American oral traditions, the medium in which indigenous peoples of North America used to preserve and pass on their history, knowledge, and folklore. Students will study this oral literature through songs, poems, and creation stories with the objective of understanding important characteristics of the Native American legacy and its cultural importance in American history. By the end of the course, students will be able to define the term oral tradition and explain how different groups of indigenous people in North America used this type of communication to transmit their culture to future generations.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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## World Language

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### American Sign Language Beginner MS - GL |

Learn grammar rules and conversational skills in American Sign Language. Understand the difference between signing using English word order and using ASL to communicate. Study fluent ASL users online to enhance visual receptive skills. Study Deaf Culture and social norms. 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 content through engaging, fun activities and quizzes.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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**NEW** American Sign Language Intermediate MS - GL | 

This is the next level after American Sign Language Beginner Elementary. Students within this course will continue building vocabulary and conversational sign language proficiency. Fun and engaging weekly lessons and assignments about topics that are relevant to you include more fingerspelling, bigger numbers, and number applications. Prerequisites: American Sign Language Beginner MS

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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**NEW** Around The World With Language MS - GL | 

Did you know that there are around 7,000 different languages in the world? And 195 different countries! Wow! In this class, middle schoolers will learn and explore different languages (not all 7,000!!) and the cultures associated with them. Students will learn some vocabulary and expressions, and visit (virtually, of course) the countries to experience some sites, celebrations, and cultures. The course ends with a project where students create a trip to their favorite destination from class.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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**Culinary Kitchen International! MS - GL | **

Experience Food and Cultures of the World and right here in the United States while learning the fundamentals of cooking! Middle school students in this class will be exposed to the food of countries around the world. This course is also designed to help students learn kitchen concepts including equipment, safety and sanitation. Students will learn food preparation techniques for fruits, vegetables, grains, dairy, and protein foods through an introduction to dishes from various countries. This virtual course delivers content through engaging assignments, quizzes and fun activities.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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**Exploratory French A MS - GL | **

This course is designed to give students exposure to French language by learning some of the basics. Students will also learn about places in French speaking countries and some fun things about French culture. The course will utilize a mixture of online lessons and practice and games/activities with a small group of students who are taking the same course.

Middle School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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**Exploratory Spanish I MS - GL | **

This Spanish class offers middle school students the opportunity to explore the study of Spanish by building a vocabulary base and concentrating on listening skills as they hear the language in the context of short stories. This class also focuses on learning the four basic language skills: listening, speaking, reading and writing. This virtual course delivers engaging videos, activities and assignments. Students will also have the opportunity to look into the culture of the Spanish speaking world.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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**Exploratory Spanish II MS - GL | **

This Spanish class offers middle school students the opportunity to continue 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. Study of the Spanish culture is included in this class through different projects. Join us in this exciting experience of learning a new language. This virtual course delivers engaging content, activities and assignments.

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### German MS 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 Semester | Platform: Michigan Virtual | This course can only be taken once

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### German MS 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 Semester | Platform: Michigan Virtual | This course can only be taken once

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### German MS 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 | Second Semester | Platform: Michigan Virtual | This course can only be taken once

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### German MS 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 | Second Semester | Platform: Michigan Virtual | This course can only be taken once

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### Spanish Language and Culture MS - GL |

This course offers exposure to the Spanish language through opportunities to learn about and experience the culture of Mexico and the Dominican Republic. This Spanish course helps middle school students to build their vocabulary as well as practice speaking and listening to Spanish. We will explore the Spanish culture, rich in traditions, customs, celebrations and food! Students will have a chance to not just learn about the customs and food - but also to set up and serve a full meal!

Middle School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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# High School

## Essential Virtual Course Descriptions

## ◆ English Language Arts ◆

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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 | Essential | Second Semester | MMC English 11B | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### English 10A - LI | |

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 English 10A | NCAA | Platform: Lincoln | This course can only be taken once

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### English 10B - LI | |

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 English 10B | NCAA | Platform: Lincoln | This course can only be taken once

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### English 11A (American Lit) - LI | |

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 English 11A | NCAA | Platform: Lincoln | This course can only be taken once

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### English 11B (American Lit) - LI | |

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 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 English 11B | NCAA | Platform: Lincoln | This course can only be taken once

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### English 12A (British Lit) - LI | |

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

High School | Essential | First or Second Semester | MMC English 12A | NCAA | Platform: Lincoln | This course can only be taken once

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### English 12B (British Lit) - LI | |

British Literature provides students with a survey of literature in this genre. Students explore the Anglo-Saxon and medieval eras, the English Renaissance, and the Restoration and Enlightenment periods. They analyze how authors from this region have traditionally constructed texts and developed prominent and long-lasting literature. In this course, students examine a variety of styles and use the vocabulary that is characteristic of literature pieces they are reading. This course offers students numerous chances to discuss, analyze, synthesize, and evaluate the texts they read through a wide range of writing and thinking exercises.

High School | Essential | First or Second Semester | MMC English 12B | NCAA | Platform: Lincoln | This course can only be taken once

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### English 9A - LI | |

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 English 9A | NCAA | Platform: Lincoln | This course can only be taken once

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### English 9B - LI | |

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 English 9B | NCAA | Platform: Lincoln | This course can only be taken once

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## ◆ Math ◆

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### Algebra IA - LI | |

In Algebra I, students explore variables, function patterns, graphs, and equations. They will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students will develop computational, procedural, and problem solving skills throughout this course, building a solid foundation for further study in mathematics.

High School | Essential | First or Second Semester | MMC Algebra 1A | NCAA | Platform: Lincoln | This course can only be taken once

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### Algebra IB - LI | |

In Algebra I, students explore variables, function patterns, graphs, and equations. They will describe and translate graphic, algebraic, numeric, and verbal representations of relations and use those representations to solve problems. Students will develop computational, procedural, and problem solving skills throughout this course, building a solid foundation for further study in mathematics.

High School | Essential | First or Second Semester | MMC Algebra 1B | NCAA | Platform: Lincoln | This course can only be taken once

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### Algebra II A - LI | |

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. The Algebra II course prepares students for more difficult mathematical concepts and content.

High School | Essential | First or Second Semester | MMC Algebra 2A | NCAA | Platform: Lincoln | This course can only be taken once

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### Algebra II B - LI | |

In Algebra II, students analyze situations verbally, numerically, graphically, and symbolically. Students solve equations and inequalities. They extend their knowledge of algebraic expressions, absolute value, functions, and graphs. The Algebra II course prepares students for more difficult mathematical concepts and content.

High School | Essential | First or Second Semester | MMC Algebra 2B | NCAA | Platform: Lincoln | This course can only be taken once

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### Geometry A - LI | |

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

High School | Essential | First or Second Semester | MMC Geometry A | NCAA | Platform: Lincoln | This course can only be taken once

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### Geometry B - LI | |

In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

High School | Essential | First or Second Semester | MMC Geometry B | NCAA | Platform: Lincoln | This course can only be taken once

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## ◆ Science ◆

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### Biology A - LI | |

Biology covers a wide range of concepts in the field of biology. Students are introduced to the characteristics of living organisms, the concepts of biochemistry, and cell structure and function. They will also investigate how cells divide, Mendelian genetics and how humans inherit traits.

High School | Essential | First or Second Semester | MMC Biology A | NCAA | Platform: Lincoln | This course can only be taken once

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### Biology B - LI | |

Biology covers a wide range of concepts in the field of biology. Students will analyze the structure and mechanisms of DNA, as well as the role of biotechnology in today's society. This course presents the theory of evolution, including early ideas, how populations evolve, and the history of life on Earth. Students explore the concept of ecology, where they study the different principles of ecology, interactions that occur within ecosystems, the biosphere, and how humans have impacted ecosystems thus far.

High School | Essential | First or Second Semester | MMC Biology B | NCAA | Platform: Lincoln | This course can only be taken once

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### Chemistry A - LI | |

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. As a prerequisite to Chemistry, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Essential | First or Second Semester | MMC Chemistry or Physics | NCAA | Platform: Lincoln | This course can only be taken once

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### Chemistry B - LI | |

Chemistry gives students a deeper understanding of the world around them as they investigate how chemistry is involved in everyday life. Students explore fundamental chemistry content and concepts, including the metric system, the periodic table, atomic structures, bonding, chemical reactions, and nuclear reactions. They apply their knowledge and science process skills through labs that use common, household objects in order to explore the practicality of chemistry. As a prerequisite to Chemistry, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Essential | First or Second Semester | MMC Chemistry or Physics | NCAA | Platform: Lincoln | This course can only be taken once

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### Physics A - LI | |

Students enrolled in Physics advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics while learning to calculate concepts in one-dimensional, two-dimensional, and circular motion. Student explore work and energy in addition to the concepts of waves, sound, light, optics, and electromagnetism. The course concludes with an analysis of nuclear physics and a debate on quantum physics. This course requires students to use fundamental algebra and analytical skills to solve problems and analyze situations. As a prerequisite to Physics, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge. While the completion of Trigonometry is not required, a pre- or corequisite of Trigonometry will allow students to be better prepared for calculations involving dynamics, vectors, and kinematics.

High School | Essential | First or Second Semester | MMC Chemistry or Physics | Platform: Lincoln | This course can only be taken once

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### Physics B - LI | |

Students enrolled in Physics advance their knowledge and understanding of concepts in previous general science courses. In this course, students examine classical mechanics while learning to calculate concepts in one-dimensional, two-dimensional, and circular motion. Student explore work and energy in addition to the concepts of waves, sound, light, optics, and electromagnetism. The course concludes with an analysis of nuclear physics and a debate on quantum physics. This course requires students to use fundamental algebra and analytical skills to solve problems and analyze situations. As a prerequisite to Physics, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge. While the completion of Trigonometry is not required, a pre- or corequisite of Trigonometry will allow students to be better prepared for calculations involving dynamics, vectors, and kinematics.

High School | Essential | First or Second Semester | MMC Chemistry or Physics | Platform: Lincoln | This course can only be taken once

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## ◆ Social Studies ◆

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### Civics and Government A - LI | |

High School Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen, as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world. Recommended to take in 9th grade.

High School | Essential | First Semester | MMC Civics | NCAA | Platform: Lincoln | This course can only be taken once

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### Civics and Government B - LI | |

High School Civics and Government offers students an introduction to the foundation of the democratic government of the U.S. and the basic principles of the judicial system. In this course, students explore what it means to be a citizen, as well as the structure of the legislative, executive, and judicial branches of the U.S. government. Students learn about how these branches work together. Students also look at the characteristics of state and local governments throughout the country to examine the organization and responsibilities of these branches. Students also explore the components of the American economy, including its foundations and how it interacts with other economies of the world. Recommended to take in 9th grade.

High School | Essential | Second Semester | MMC Civics | NCAA | Platform: Lincoln | This course can only be taken once

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### Economics - LI | |

Economics presents basic economic theory to students. They explore the ways in which the economy effects everyday life. Students examine basic economic concepts such as scarcity, opportunity cost, efficiency, and trade-offs as well as the factors of production. Students will compare the free market system to other economic systems. This course serves as an introduction and overview of economics. Recommended to take in 12th grade.

High School | Essential | First or Second Semester | MMC Economics | NCAA | Platform: Lincoln | This course can only be taken once

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### U.S. History A - LI | |

In United States History, students study United States history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II. Recommended to take in 10th grade.

High School | Essential | First Semester | MMC US History A | Platform: Lincoln | This course can only be taken once

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### U.S. History B - LI | |

In United States History, students study United States history by exploring important historical moments from the Reconstruction era through the end of World War II. Students learn about the industrialization of this growing nation and the economic and social changes it underwent as the nation transitioned from an agricultural society to an industrial society. Students also analyze the challenges the nation faced as it was forced to choose between isolation and involvement in international armed conflicts. This course guides students as they interpret the extraordinary changes the nation went through after the American Civil War and examine how those changes ultimately led to the United States' emergence as an international power at the conclusion of World War II. Recommended to take in 10th grade.

High School | Essential | Second Semester | MMC US History B | Platform: Lincoln | This course can only be taken once

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### World History A - LI | |

World History allows students to investigate significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, gain a better understanding of the role that geography plays in world history. Recommended to take in 11th grade.

High School | Essential | First Semester | MMC World History A | Platform: Lincoln | This course can only be taken once

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### World History B - LI | |

World History allows students to investigate significant events, people, and places from prehistoric to modern times. Studying world history allows students to consider the historical relevance of people, places, and events. In this wide-ranging course, students learn how the world and its inhabitants were shaped over time, and, in the process, gain a better understanding of the role that geography plays in world history. Recommended to take in 11th grade.

High School | Essential | Second Semester | MMC World History B | NCAA | Platform: Lincoln | This course can only be taken once

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# High School

## Non-Essential Virtual Course Descriptions

## ◆ Applied Technology ◆

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### 3D Modeling - ED |

Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? This is a great place to start as it is the foundation for all these career paths. Explore graphic design and illustration as you use 3D animation software to create design projects while developing your drawing, photography, and 3D construction techniques. Let's get creating!

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Advanced Bushcraft HS - GL |

Advanced Bushcraft takes over where Wilderness Survival Adventuring ends. Instead of focusing on immediate needs, Advanced Bushcraft delves into the long-term skills needed to not just survive the elements but flourish in the outdoors. We will hone skills by learning how to build a long-term base camp using only three basic hand tools that you could easily carry with you into the wilderness. We will develop the necessary skills to build all the other various pieces of equipment we will need using only those three basic hand tools along with the materials we find around us in nature. We will also be learning how to construct a long-term shelter with indoor heating, cooking and light sources along with furniture made from all natural materials to build comfort into our long-term outdoor experience. Upon completion, students will have the knowledge and ability to design and construct their own backpacks, snowshoes, tools and food caches, along with learning basic hunting, trapping, fishing and foraging skills plus methods for long-term preservation of their provisions. High school students will delve deep into what is required to be a true survivalist who can live off the land, plus much more...

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Animation 1A: Introduction - ED | |

Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Animation 1B: Animating Your Creativity: - ED | |

It's time to start animating like the pros! In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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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 | This course can only be taken once

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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 | This course can only be taken once

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### Applied Engineering 1A: Introduction - ED |

Discover how technology has changed the world around us by pursuing technological solutions to everyday problems. While using scientific and engineering methods, learn how electricity, electronic systems, magnets, and circuits work. Understand the design process and bring your ideas to life. Explore how engineering advances your ideas and the world!

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Applied Engineering 1B: Solving Problems Together - ED |

Do you like to invite solutions to solve problems? Applied engineering has advanced areas such as energy, transportation, health and genetics, alternative energy, food packaging, etc. Explore various inventions and solutions that have solved problems across industries. Examine how artificial intelligence and technology are making an impact on breakthroughs. Evaluate the range of robotic and STEM-related career options available for you to make a difference in lives with your contributions and innovations. Prerequisite: Applied Engineering 1A

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Are You a Future Entrepreneur, Manufacturer or Inventor? HS - GL |

In this virtual course, students will learn the basics of product development, designing, manufacturing and cost analysis 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: GLVP | This course can be taken up to 4 times

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### Being a Successful Online Learner HS - GL |

This course will cover a broad range of topics for online learning success: keyboard skills, digital citizenship, computer basics and using Google Apps, study skills, time management for an asynchronous schedule, effective online communication, presentation tools, and more. Students will be able to demonstrate an understanding of what virtual learning encompasses and the skills needed to succeed, both personal and professional, with a focus on GLVP courses. Proficiency in using platforms and accessing courses; demonstration of independent learning skills for studying, creating planners, and using Google Apps; and knowledge of students' own digital footprint and digital citizenship will be developed throughout the course.

High School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Coding 1A: Introduction to Programming HS - ED | |

Learning to code is like learning a clandestine language, and now is your chance to get in on the secret! In this course, you will learn about the building blocks of coding. You'll explore how real-world problems can be broken into algorithms described through coding and then use the approachable and versatile coding language of Python to generate the output you're looking for. You'll cover both procedural and object-oriented programming and even create two text-based adventure games along the way.

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Coding 1B: Plan, Design, Develop HS - ED | ★ |

In this course, you'll continue working with Python, but you'll also add other languages like HTML, CSS, and JavaScript to your coding toolkit as you build and style a web app! You'll explore data structures to process information, how to stay on schedule and prepare for app updates, and how to improve the functionality, look, and safety of your app. Each new coding challenge we meet invites us to expand our skills, and there's always room for creativity when you're working with code.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Computer Maintenance 1A - ED |

Computers are soldered into all aspects of our daily life, and when they stop working, it can seem like our network has collapsed. If you are fascinated by the inner workings of computers and how to keep them running, then a career in computer maintenance may be for you! In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory, and much more! Grab your personal expansion card, and let's hardwire some new knowledge about computer maintenance.

High School | Non-Essential | First Semester | MMC CTE | Platform: eDynamic | This course can only be taken once

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### Computer Maintenance 1B: Network Needs - ED |

Almost anywhere we go today, from malls to coffee shops, and even our homes is an intertwined web of wired, wireless, and cloud-based networks that access our personal data. In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. Let's continue navigating the complex world of computer maintenance.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Concepts of Engineering & Technology - ED |

Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Cybersecurity 1A: Foundations - ED |

We depend more on the technologies we interact with every day; and we put more and more of our personal data out there online. Can all of that data really be kept 'secret'? Learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. Dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Cybersecurity 1B: Defense Against Threats - ED |

Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyberattacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. Cybersecurity will play an increasingly larger role in our personal and professional lives in the years to come.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Digital Design 1A - ED |

Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry, and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design!

High School | Non-Essential | First Semester | MMC CTE | Platform: eDynamic | This course can only be taken once

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### Digital Design 1B - ED |

Are you an artistic person drawn to the idea of creating graphic elements? Then a career in digital design may be for you! In this course, you will learn the basic principles of design, the tools needed to succeed in the industry, and how to design objects for specific purposes and audiences. You'll also learn how to market yourself and open your own design business all while building a portfolio. Let's align your skills and dreams today for a career in digital design!

High School | Non-Essential | Second Semester | MMC CTE | Platform: eDynamic | This course can only be taken once

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### Experiencing Arts and Technology HS - GL |

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 content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | First and/or Second Semester | Platform: GLVP | This course can be taken up to 4 times

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### Foundations of Game Design 1A: Introduction - ED | |

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Foundations of Game Design 1B: Storytelling, Mechanics, and Production - ED | |

Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Game Design 2A: Build a World HS - ED |

Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Game Design 2B: Launch a Game HS - ED |

You've already done the groundwork, and now it's time to level up and launch! In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, your real-world game begins: test and evaluate your game and prepare for a market launch! All of the moving parts of the game development process come together in this course, so you can unleash your game into the world!

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Introduction To Artificial Intelligence HS - MV |

This course teaches what every student should know about Artificial Intelligence. AI is a fast-moving technology with impacts and implications for both our individual lives and society as a whole. In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology. NOTE: This course provides an introduction to key concepts, uses, impacts on society, and relevant career explorations. It does NOT involve computer programming or development of artificial intelligence algorithms or programs on the part of the student.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual | This course can only be taken once

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### Introduction to Engineering - LI | |

Introduction to Engineering provides students with an overview of the field of engineering and the primary processes and procedures used by engineers. Student explore engineering careers and their impacts on society, and they learn how mathematics and science are used in the field of engineering. They examine different engineering disciplines, the engineering design process, and various engineering styles and methods used in the field. Students take part in hands-on learning as they work through a real-life design problem and solve it through the steps of the engineering design process. The course concludes with a student-created presentation to demonstrate their solution to the design problem. Introduction to Engineering is an excellent addition to a STEM-centered curriculum. Students must have completed Algebra I as a prerequisite and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Introduction to Networking 1A: Introduction HS - ED |

What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks and even make cables in Wired Networking activities. Get started with your introduction to networking!

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Introduction to Networking 1B: Network Oversight HS - ED |

Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Introduction to Programming 1A: Introduction - ED | |

Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence on the world. Launch yourself into the endless possibilities a career as a programmer can bring you!

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Introduction to Programming 1B: Problem Solving Through Programming - ED | ★ | 📖

Dig deeper and expand your knowledge as you discover how programming can solve a vast array of problems. Plan and develop a problem-solving program while performing testing, debugging, and quality assurance procedures. Design and plan your own app as part of your capstone project to give you a thorough introduction to the world of programming.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Principles of Information Technology 1A: Introduction - ED | 📖

Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology!

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Principles of Information Technology 1B: Working with Computers - ED | 📖

Take the IT knowledge you have to a more advanced level. Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. Explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Puzzles, Games and Logic HS - FL | 🗣️

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 vary from year to year (this course may be taken for two years in a row). Past games include Set, Clue, Bananagrams, Catan, Mastermind, Ticket to Ride, Election Night, 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. We 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: FunLearning | This course can be taken up to 3 times

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### Reverse Engineering HS - GL | ★ | 🗣️

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: GLVP | This course can be taken up to 3 times

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### Tech Ed HS - GL | ★ | 🗣️

Are you interested in 3D printing, desktop CNC machines, laser cutting and etching, silicone and epoxy mold making, the basics of CAD (Computer Aided Design) or CAM (Computer Aided Manufacturing)? If you said yes, then this course will introduce you to those skills and technology along with several more! We will also spend time on the basics of microcontroller wiring and programming that are the basis for home automation and robotics. High school students will go beyond the basics to learn how to utilize cutting edge equipment to bring their ideas to life.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### Web Development 1A: Introduction - ED | ★ | 📖

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. Start to explore professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up.

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Web Development 1B: Planning and Designing - ED | ★ | 📖

How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. Start to explore professional web development, including how to create content for the web. You'll learn about topics such as servers, file organization, HTML, CSS, Javascript, and the development stack that will let you build any website you can dream up.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Wilderness Survival and Adventuring HS - GL | ★ | 📍

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 content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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## ◆ Business ◆

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### Accounting A - GL | 📖 | EXAM

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 and a highly encouraged course for students who are pursuing a career in business, marketing, and management. This course is offered through BusinessU and covers the full accounting cycle for a services-based business and a merchandising business, and includes accounting concepts like debits/credits, t-accounts, journalizing/posting transactions, worksheets, adjusting entries, cash controls, AR/AP, and creating financial statements. This course also covers more advanced accounting concepts such as depreciation, inventory costing, processing payroll, payroll taxes, special journals, acquiring capital, and accruals/deferrals. And, the BusinessU Accounting course also explores financial analysis, strategic decision making, and the various legal and ethical principles associated with the accounting function. Prerequisites: None (MMC - Math related).

High School | Non-Essential | First Semester | MMC Math Related | Platform: GLVP | This course can only be taken once

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### Accounting B - GL | 📖 | EXAM

This is the second course in a two-semester Accounting course sequence. Accounting B is a skill-level course that is of value to all students and a highly encouraged course for students who are pursuing a career in business, marketing, and management. This course is offered through BusinessU and covers the full accounting cycle for a services-based business and a merchandising business, and includes accounting concepts like debits/credits, t-accounts, journalizing/posting transactions, worksheets, adjusting entries, cash controls, AR/AP, and creating financial statements. This course also covers more advanced accounting concepts such as depreciation, inventory costing, processing payroll, payroll taxes, special journals, acquiring capital, and accruals/deferrals. And, the BusinessU Accounting course also explores financial analysis, strategic decision making, and the various legal and ethical principles associated with the accounting function. Prerequisites: None (MMC - Math related).

High School | Non-Essential | Second Semester | MMC Math Related | Platform: GLVP | This course can only be taken once

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### Advertising - LI |

Throughout the Advertising course, students discover the various ways that advertisements touches their lives. This course presents a comprehensive introduction to the field of advertising, which includes its purpose and the theory behind it. In this course, students learn to identify target markets, distinguish different types of business, and interpret the information they gather to create a winning advertising plan. Students investigate the needs and wants of both the consumers to whom they are advertising and the companies for which they are creating the advertisement. Lessons will cover the basic skills and knowledge required to work in the advertising world and will guide students through the creation of a complete advertising plan. Students in this course are presented with a realistic idea of what a career in advertising entails.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Business Applications - LI |

In Business Applications, students focus on business software and the corresponding skills required in the business world. The course begins with an overview of computers, including hardware, software, and operating systems. Students explore spreadsheet, word processing, presentation, and database software and discover how to fulfill a customer request using these skills. They also study web-based applications and additional software packages and learn about Internet technology. Students investigate common security concerns and discover how to prevent security issues. Finally, students experience the software development cycle where they learn how various professionals utilize business applications. They discover the importance of moral and ethical responsibility in an online community. \*Students must possess basic spreadsheet, word processing, and presentation software skills before entering this course and have access to Microsoft Office 360. Additionally, students must be independent learners, and they must be comfortable learning new technology and researching software features and functions.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Business Communications 1a: Introduction HS - ED |

No matter what career you're planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Business Communications 1b: Listen, Speak, & Write In The Workplace HS - ED |

You've learned your audience, found your voice, and can read the body's unspoken words. Now, it's time to limber up those fingers and learn the P's and Q's of communicating in a business setting. In this course, you're going to take the basic writing skills you've developed and revise them so you can take new approaches to planning, building, and distributing documents for a business audience. You'll continue to explore the essentials of writing while drafting new understandings of business documents, and then you'll learn to apply your business communication skills to job applications, interviews, and presentations. No matter your career of choice, learning to effectively communicate will help your professionalism grow leaps and bounds. Let's get writing!

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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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 | This course can only be taken once

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### **Business Law 1A: Introduction - ED** |

Whether you plan on starting your own business or being in charge of one, it is crucial you understand how to keep the company compliant. Explore what it means to run an ethical business, how to keep intellectual property, technology, and e-commerce safe and protected, understand insurance and taxes, and how to have a healthy workplace environment. Keep the business safe and growing by following the law. CTE course

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### **Business Law 1B: Legal Aspects of Business - ED** |

Whether you plan to start your own business, work for an organization, or go into law, it's essential to understand more complex legal requirements that impact business operations and decisions. This is especially true as companies grow and expand domestically and internationally. Explore the differences between criminal and civil law. Examine how state and federal regulations work to protect consumer and employees' rights, protect society and the environment, and understand how business contracts can work to protect everyone. CTE Course.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### **Business Management - LI** |

Business Management guides students through examples of their roles as wage earners, consumers, and citizens as they explore the wide, exciting world of business. Students examine topics ranging from extensive credit use to the role of government in the U.S. economy. Students are encouraged to take Introduction to Business as a prerequisite to Business Management, as Business Management dives deeper into the different aspects of managing a business successfully.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### **Entrepreneurship HS - 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 | This course can only be taken once

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### **Excel: Office Fundamentals Series - ED** |

Discover the real-world uses of Microsoft Excel and its impact on business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam. CTE course.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### **History Of Gaming And ESports HS - LI** |

In this course, students will learn about the technologies and design principles that have been the foundation of the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### **International Business: Global Commerce in the 21st Century - ED** |

With the evolution of technology, our world is more connected than ever before, and the business community today is larger than ever. Gain the knowledge, skills, and appreciation to live and work in the global marketplace. You'll begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of global business in the 21st century. CTE course.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### **Introduction to Business - LI** |

In Introduction to Business, students explore their roles as wage earners, consumers, and citizens as they discover the wide, exciting world of business. In this introductory course, students investigate topics pertaining to investment strategies and business communications that are vital for success in today's economy. Students analyze the impact of marketing and the role of the government in the realm of business and economy.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### **Marketing - LI** |

Throughout the Marketing course, students discover the various ways marketing affects their lives. This course introduces students to the study and implementation of market analysis, which focuses on identifying customer needs and desires and supplying them with those exact requests. The course provides a solid foundation for students contemplating careers in marketing, advertising, or other business-related and commercial fields.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### **Office Administration 1A: Introduction - ED** |

Businesses worldwide and across every industry are always on the lookout for highly skilled administrative professionals to help their business be successful and thrive. Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive. CTE course.

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### **Office Administration 1B: Running the Office: - ED** |

You have learned some of the skills that an administrative professional must possess, but now it's time to take those skills to the next level! You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing. Do you love the idea of being the glue in a successful business, helping everything run smoothly and properly? Then let's continue your journey into the career of an administrative professional!

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### **PowerPoint: Office Fundamentals Series - ED** |

Learn to create clean and professional presentations while also building your skills as a speaker, leader, and marketer! Create and format presentations while inserting multimedia, images, transitions, and animations to make a dynamic final product! Content of this course will also be applicable to the Microsoft Office Suite certification exam.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Principles of Business, Marketing, and Finance 1A: Introduction - ED| ★ |

Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility. CTE course.

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Principles of Business, Marketing, and Finance 1B: Targeting Your Business Insight - ED| ★ |

Take your knowledge of business basics, finance, and marketing to the next level. Learn how to create a marketing strategy that promotes and attracts customers in order to sell a product or service. Explore important basics of business finance, including accounting, budgeting, and investing. And learn what careers are available in business and the important employability skills you'll need to ace the interview and land the job! CTE course.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Sports & Entertainment Marketing - ED| ★ |

The world of sports and entertainment is never boring. This field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamour. Explore basic marketing principles while delving deeper into the multi-billion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Word: Office Fundamentals Series - ED |

Learn to effectively and efficiently use one of the most common tools of business, school, and personal correspondence! Discover how to format and style documents using fonts, colors and editing tools, create tables, use bullets and numbering, and insert images. Skills you learn in this course can be applied immediately and prepares you to take the MOS Word certification exam, and content is applicable to the Microsoft Office Suite certification exam. CTE course

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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## ◆ Career Readiness ◆

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### Adulting 101 - GL| ★ |

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 content through engaging assignments, quizzes and projects.

High School | Non-Essential | First Semester | Platform: GLVP | This course can only be taken once

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### **Adulting 102 HS** - GL| ★ |

Adulting 102 delves further into essential life skills crucial for the independence of young adults. Topics include money management, elevated personal care techniques such as mental health, advanced communication strategies, and an exploration of digital literacy. Emphasizing practical application, students will engage in real-world scenarios to hone their problem-solving abilities and develop personal advocacy skills. Virtual projects will be assigned to apply learned skills in simulated environments, fostering a hands-on learning experience. The course delivers content through compelling assignments, quizzes, and projects that challenge and empower students on their journey toward self-reliance.

High School | Non-Essential | Second Semester | Platform: GLVP | This course can only be taken once

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**Allied Health Assistant 1A: Introduction** - ED |  | 

Are you passionate about helping people and making a difference in their lives? If you're planning on going into the healthcare field, then this course is for you! Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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**Allied Health Assistant 1B: Skills and Specialties** - ED |  | 

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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**Career and College Readiness** - GL |  | 

Students will focus on topics relevant to college and career success. Topics include Preparing to Learn, Career Options, Post-Secondary Options, and Preparing for Life. Students will explore academic and personal goal setting, accessing and improving study skills needed for continued education, aligning individual assessments with Career Clusters, researching and exploring careers, college searching, the college application process, financial aid, and develop their employability skills. Students will be asked to perform a career informational interview, develop a post-secondary educational development plan, and create a personal budget and professional resume. \* This course is required for the Early College program.

High School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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**Career Explorations** - LI |  | 

Career Explorations allows students to investigate the necessary steps to prepare for careers that match their interests, abilities, and aptitudes. Students research various careers, their roles in society, job duties, required education and qualifications, and salary and outlook. They acquire job-seeking skills such as resume writing, interviewing, and portfolio development skills. Students discover workplace dynamics, how to navigate challenging situations, and explore various techniques for advancing in their chosen career field. This course prepares students to manage the financial challenges they will face as they prepare for a career and future employment. Students apply newly acquired knowledge and skills in a real-world experience to further solidify future career plans.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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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 | This course can only be taken once

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**Careers in Criminal Justice 1A: Introduction** - ED |  | 

Have you ever wondered what steps take place as people as they move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Careers in Criminal Justice 1B: Finding Your Specialty - ED | |

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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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 | This course can only be taken once

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### Early Childhood Education 1A: Introduction - ED | |

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Early Childhood Education 1B: Developing Early Learners - ED | |

Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Early College Capstone A - GL |

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

High School | Non-Essential | First Semester | Platform: GLVP | This course can only be taken once

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### Early College Capstone B - GL |

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

High School | Non-Essential | Second Semester | Platform: GLVP | This course can only be taken once

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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 | This course can only be taken once

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### Health Science Foundations 1A: Introduction - ED | |

Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques providing a solid basis for those wanting to advance through the health sciences.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Health Science Foundations 1B: Professional Responsibilities - ED | |

Making sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Health Science: Nursing - ED | |

The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Hospitality & Tourism: Traveling the Globe - ED | |

Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Human and Social Services 1 - ED |

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. Explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Interior Design - ED | |

Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and 'green' options for homes and businesses. Interior designers do it all from planning the color scheme to choosing furniture and light fixtures with the end goal of creating a space where people can live or work comfortably, safely, and happily.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Introduction to Manufacturing: Product Design & Innovation - ED | |

Have you ever wondered how products make it to store shelves? Goods we purchase must go through a manufacturing process before they can be marketed and sold. Learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! See how exciting, creative, and practical this industry can be.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Introduction to Military Careers - ED | |

Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches - Air Force, Army, Coast Guard, Marines Corps, and Navy - and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Law & Order: Introduction to Legal Studies - ED | |

Imagine if there were no laws and people could do anything they wanted. Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Explore the importance of laws and how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you'll learn to appreciate the larger legal process and how it safeguards us all.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Leadership Skills Development HS - 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 | This course can only be taken once

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### Principles of Public Service: To Serve & Protect - ED |

Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Ready to Work? (Work-Based Learning) HS - GL | ★ | 📍

This class will provide real world employability skills, as well as career exploration activities, that will help students look at different career pathways and what is needed to succeed in the workforce today. In the 2nd semester of the course, students will be placed in a job setting based on their interests and skills where they will "earn as they learn" and continue to grow. They will have mandatory weekly check-ins and support during this process to ideally continue their job into the future.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Restaurant Management - ED | 📖 | EXAM

Have you ever dreamed of running your own restaurant? Explore exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit-down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Social Media - ED | ★ | 📖 | EXAM

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Study Skills - MV | ★ | 📖 | EXAM

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 | This course can only be taken once

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### Test Prep 10-11 - GL | 📖

This course is designed to make students more comfortable with the features and format of a college entrance exam. Students will learn test-taking strategies and time-management skills specific to taking the SAT. The course will include an overview of commonly-tested areas, including math, English, scientific methods and models, reading comprehension strategies, language skills, writing and grammar, and strategies for handling questions in each subject area. Students will be connected with Khan Academy and use previous test scores for test prep. This course does not deliver necessary content on the above-listed subject areas, and does not replace any essential or core course.

High School | Non-Essential | First Semester | Platform: GLVP | This course can only be taken once

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### Workplace & Internship Readiness: Preparing for Work & Life - ED | 📖

Starting your first 'real' job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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## ◆ English Language Arts ◆

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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 English 11A | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 English 12A | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 English 12B | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Communications - LI | |

In Communications, students explore various aspects of communication. They investigate the foundations of communication by analyzing, applying, and designing creative works essential to the professional communications industry. This course establishes a comprehensive foundation for students interested in a post-secondary career in communications.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Composition - MV |

In this course, students will study and become proficient in the writing process. Students will learn about essay structure and organization through the development of four common types of essays (narrative, informative, argumentative, and compare and contrast) as well as proper format and etiquette to write a formal e-mail. In addition, they will also learn several grammar concepts that involve sentence structure, punctuation, word usage, and guidelines for academic writing, such as an objective tone, MLA formatting, and in-text citations.

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual | This course can only be taken once

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### Creative Writing - LI |

Creative Writing is a course in which students discover, analyze, and apply the methods and styles used in various forms of fiction, creative nonfiction, drama, and poetry. It emphasizes experimentation and practice, and it encourages students to take cues from published writers and poets. Students express themselves while learning various genres and their respective writing rules. Students also explore related topics, including word choice, diction, form, editing, idea generation, and other skills useful in nonfiction writing. Students do a great deal of writing in this course.

High School | Non-Essential | First or Second Semester | MMC VPAA | NCAA | Platform: Lincoln | This course can only be taken once

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### Debate - LI | |

In the Debate course, students learn crucial debate terminology, speech strategies, and persuasive techniques. Students investigate rhetoric and learn to consider multiple and divergent perspectives. Throughout this course, students develop the skills necessary to execute a well-versed and effectively supported argument. This study of supporting claims with credible evidence will allow students to engage in effective persuasive discourse.

High School | Non-Essential | First or Second Semester | MMC VPAA | NCAA | Platform: Lincoln | This course can only be taken once

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### English Grammar - LI |

Students enrolled in English Grammar explore basic, intermediate, and advanced concepts of grammar, language, style, and composition. By analyzing word meaning and function, students will generate content using appropriate grammatical expressions. Students will examine provided writing samples and their own compositions to enhance their skills. The English Grammar curriculum is designed to cover a half-year of instruction, but it can be completed at each student's own pace.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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### Introduction to College Writing - LI | |

Introduction to College Writing prepares students to create freshman writing pieces as they move toward their post-secondary education. In this course, they learn the skills necessary to build a solid foundation for basic college writing as they focus on informative and persuasive writing. Students practice organization, tone, and style in their work to ensure that they are well-rounded and skilled writers. Finally, students discover how to locate and present research and evidence in a logical, well-organized manner.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Journalism 1A - ED | |

Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Journalism 1B - ED | |

Journalists are asked to tell the world a story every single day and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action. Prerequisites: Journalism 1A.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Media Writing - LI | ★ |

Media Writing is designed for students who are interested in careers in broadcast journalism, communications, or media. In this course, students explore the basics of media writing in addition to careers in print, online, and broadcast media. Students investigate the numerous styles of writing for a number of applications, including newspapers, magazines, audio broadcasts, video broadcasts, and the Internet. In addition, students practice researching, locating, and using sources that are reliable and valid.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Poetry - LI |

Poetry is a course for students who are interested in learning more about different types of poetry and writing their own poetry. In Poetry, students explore the elements of a poem, including theme, poetic devices, rhyme, meter, and word choice. Students evaluate different poetic structures and draft and create their own poems in these structures. In this course, students use evidence to support analysis, conduct research, and write research papers.

High School | Non-Essential | First or Second Semester | MMC VPAA | NCAA | Platform: Lincoln | This course can only be taken once

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### Public Speaking 1a: Introduction - ED |

Do you strive to gain more confidence when speaking in front of people? Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.

High School | Non-Essential | First Semester | Platform: eDynamic | This course can only be taken once

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### Public Speaking 1b: Finding Your Voice - ED |

Bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your in-person and virtual presentation skills. Prerequisite: Public Speaking 1a: Introduction.

High School | Non-Essential | Second Semester | Platform: eDynamic | This course can only be taken once

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### Reading and Writing for Purpose: Navigating the Information Age Lord of the Rings - ED |

As you move through high school to college or to your career, the types of writing and documents become more high stakes. Real-world information can be journalistic and researched-based articles, legal, insurance, college entrance forms, employment, vehicle-related documents, and more. Learn how to critically read, write, and evaluate real-world writings to set you up for your future success.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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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 | This course can only be taken once

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### Short Stories - LI |

Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different storylines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author's ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.

High School | Non-Essential | First or Second Semester | MMC VPAA | NCAA | Platform: Lincoln | This course can only be taken once

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### Technical Writing - LI |

Written communication skills and documentation in the business environment are central to the Technical Writing course. This course enables students to understand a variety of documents and allows them to perfect their technical writing abilities. From journal writing, email, and directional writing to memos and letter drafting, students encounter numerous types of technical writing and build upon their technical skills and knowledge.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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## ◆ Fine & Performing Arts - Art ◆

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### 3D Art and Artists HS - GL |

Ranging from pottery, monumental sculpture, mosaics, glass-blowing, environmental art, 3D printing and more, this class introduces students to a vast variety of mediums, meant to inspire them for the endless possibilities three-dimensional art has to offer. Students will explore a vast variety of topics relating to three-dimensional art including the history, artists, materials and techniques. This virtual course delivers content through engaging assignments, quizzes and projects.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### 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 VPAA | Platform: Michigan Virtual | This course can only be taken once

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### Applied Art HS - GL |

In this introductory art course, high school students will learn the basics of creating, viewing and appreciating artwork using the elements of art and the principles of design. The course begins with the 7 elements of art: line, shape, color, value, texture, form, space. The second portion of the course applies the elements of arts in creating the 7 principles of design: balance, contrast, emphasis, movement, pattern, proportion and variety. We will explore artwork that spans two and three dimensions, and a variety of mediums and artists that reflect these fundamentals. Through engaging with these concepts, students will strengthen their art vocabulary and develop an understanding of the ways in which these terms can be used and applied to all types of art. This virtual course delivers content through engaging assignments, fun activities and quizzes.

High School | Non-Essential | Full Year | MMC VPAA | Platform: GLVP | This course can be taken up to 2 times

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### Around the World with Art HS - GL | ★ | 🌐

Embark on a global exploration, high school students! Each week, our journey takes us to a new destination across the globe, beginning with a brief dive into the local society, covering traditions, cuisine, wildlife, and geographic features. Once acquainted with the cultural backdrop, the heart of each unit lies in the immersive study of various artistic aspects. From exploring local artwork and influential artists to architectural marvels and understanding diverse styles, techniques, and artistic influences, each location becomes a canvas of creative discovery. This virtual course offers engaging lessons, assignments, and projects. Unleash your artistic potential as we navigate through the fascinating world of global cultures and creativity.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Art and Visual Culture A - 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.

High School | Non-Essential | First Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Art and Visual Culture B - 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.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Art Appreciation A - LI | 🖨️

In Art Appreciation, students explore visual art from the ancient world to the present day. Students investigate various topics such as the mysteries surrounding Stonehenge, the lives of famous Renaissance artists, the way celebrities influenced the Pop Art movement, and the reasons why public memorials are created. This course highlights the important connections between visual art, culture, and human history and allows students to analyze and interpret artworks. Art history comes alive as students emulate basic techniques used by well-known artists.

High School | Non-Essential | First Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Art Appreciation B - LI | 🖨️

In Art Appreciation, students explore visual art from the ancient world to the present day. Students investigate various topics such as the mysteries surrounding Stonehenge, the lives of famous Renaissance artists, the way celebrities influenced the Pop Art movement, and the reasons why public memorials are created. This course highlights the important connections between visual art, culture, and human history and allows students to analyze and interpret artworks. Art history comes alive as students emulate basic techniques used by well-known artists.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Art Appreciation HS - GL | 🌐

This high school course invites you to traverse through the expansive landscape of visual art topics, spanning from the ancient world to the present day. After diving into the rich cultural and historical backgrounds that shape artistic evolution, the spotlight turns to specific artists, art movements, and a diverse array of art mediums, including painting, sculpture, architecture, ceramics, fashion, and beyond! Immerse yourself in the exploration and examination of art through reflective questions, dynamic content, assignments, and quizzes. Get ready to build your artistic knowledge and uncover the fascinating evolution of art!

High School | Non-Essential | Full Year | MMC VPAA | Platform: GLVP | This course can be taken up to 2 times

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### Confectionery Art 1 HS - GL | ★ | 📍

This virtual course will introduce skills from the basics of creating a broad spectrum of confectionery art. Our mediums will include rolled fondant, gum paste, a variety of icing types, sprinkles, colored sugars, coloring, and powders. Students will learn the skills necessary to interact with these mediums. The techniques and tools to create art of this form will also be further explored in terms of their use in creating unique, original art and real-world application. This virtual course delivers content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Confectionery Art 2 HS - GL | ★ | 📍

Prerequisite: 1 Year Confectionery Art 6th-12th Grades For Grades 9th-12th. This virtual course will continue to teach and develop skills from the the basics of creating a broad spectrum of confectionery art. Our mediums will continue to be rolled fondant, gum paste, a variety of icing types, sprinkles, colored sugars, coloring, and powders. Students will develop skills independently interacting with these mediums. The techniques and tools to creating art of this form will also be further explored in terms of their use in creating unique, original art and real-world application. This virtual course delivers content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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### Digital Media & Design HS - GL | ★ | 📍

High school students embarking on their journey into digital media and design will start by familiarizing themselves with digital cameras, shooting basics, and photo editing skills. Moving forward, students will be introduced to graphic design, exploring topics like typography and color theory. The course will also cover the history, roles, and techniques of video, animation, foley, and music capture, as well as post-production processes. Students will also explore emerging technologies like virtual reality, artificial intelligence, and video game design. Throughout this immersive experience, students will gain insights into potential careers in the digital media field. Weekly quizzes and hands-on projects align with the overarching themes covered in the course. Get ready for a thrilling journey into the dynamic world of digital creativity.

High School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Digital Photography 1A: Introduction - ED | 📄 | EXAM

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

High School | Non-Essential | First Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Digital Photography 1B: Creating Images with Impact! - ED | 📄 | EXAM

Let's further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field!

High School | Non-Essential | Second Semester | MMC VPAA | Platform: eDynamic | This course can only be taken once

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### Fashion Design - LI | 📄

Fashion Design is an advanced course for students interested in learning the intricate process of how the fashion system works. Students will study the fashion business in sequential order from concept to consumer. They will examine all of the processes involved in the industry from producing raw materials, apparel, and accessories to the retail stores that sell fashion merchandise to the public. Students learn that the decision-making process is complex and not just about the latest designers, styles, or trends of an era. In this course, students will explore the history of fashion, including the looks and creations at every era. They will discover the equipment, tools, and fabrics used to create fashion, and they will learn how technology is used in fashion. Students have an opportunity to express themselves and their style through the creation of their own fashion design sketches and mood boards. Students will learn fashion terminology and how to forecast new and upcoming fashion trends.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Introduction to Digital Media A - LI |

Introduction to Digital Media A provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Topics extend beyond the actual visual demonstrations, allowing students to review the editing process for images, sound, and video. In this introductory course, students explore the vast possibilities of digital media, how it is used in everyday advertising and art, and where innovation exists within the field. Intro to Digital Media A topics include think like an artist, digital photography, Creative Cloud, Bridge, digital graphics, and Illustrator. Required Adobe Software: Audition, Bridge, Illustrator, Photoshop, Portfolio, Premiere.

High School | Non-Essential | First Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Introduction to Digital Media B - LI |

Introduction to Digital Media B provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Topics extend beyond the actual visual demonstrations, allowing students to review the editing process for images, sound, and video. In this introductory course, students explore the vast possibilities of digital media, how it is used in everyday advertising and art, and where innovation exists within the field. Intro to Digital Media B topics include SoundArt, Audition, Video Media Art, Premiere, Behance, and Portfolio. Required Adobe Software: Audition, Bridge, Illustrator, Photoshop, Portfolio, Premiere.

High School | Non-Essential | Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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### Painting Fundamentals HS - GL |

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: GLVP | This course can be taken up to 2 times

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### The Art of Today HS - GL | |

Leonardo da Vinci, Michelangelo and Vincent van Gogh are all exceptional artists but they also have one thing in common: they are historical figures. What about the artists who are making innovative strides in the artistic community at this very moment? This new high school course focuses on contemporary artists who are using the technology, techniques and materials of the 21st century to make advancements in art. Each unit will introduce a new artist or artistic technique used in the world of art today!

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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### Visual Journaling HS - GL |

Creating a 2-page journal entry each week, you will develop your perceptual skills. While creating your visual journals pages you will identify and use the principles of design to discuss, analyze and write about visual aspects in the environment and in works of art, including your own. You will develop your creative expression skills, by using different processes and tools (mix media) and by refining observational drawing skills. You will focus on aesthetic valuing by making informed judgment and articulating the process and rationale for refining and reworking your own works of art. You will be graded on direct observational skills, collage techniques-using the principles of design and elements of art, and writing skills. Your journal entry should include no less than 25% of pencil observational drawings that show shading value. In addition, your writing will be evaluated for cohesiveness of the visual elements and the expressed complete thoughts about your artistic process. Using a fine tip marker, you will write responses to prompts discussed, keeping the text flowing as a visual element to the composition. You will use 5 of the vocabulary words in your journal entry from discussion each week. Lastly, you will add collage elements to include a minimum of two elements of art and the use of at least one principle of design as a focus for each entry.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 2 times

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## ◆ Fine & Performing Arts - Dance ◆

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### Art and Methods of Dance HS - GL | 🔒

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 content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | Full Year VPAA | Platform: GLVP | This course can be taken up to 4 times

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### Dancing from A-Z HS - GL | 🔒

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 VPAA | Platform: GLVP | This course can be taken up to 4 times

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### The Art of Dance HS - GL | 🔒

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 content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | Full Year VPAA | Platform: GLVP | This course can be taken up to 4 times

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## ◆ Fine & Performing Arts - Music ◆

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### Music Applied Level 1 HS - MF | 🔒

This interactive virtual course is designed for a beginning 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. This virtual course's topics include world music, scales, sight reading, ear training, musical terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | MMC VPAA | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 2 HS - MF | 🔒

This interactive virtual course is designed for a continuing 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 continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, musical terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | MMC VPAA | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 3 HS - MF |

This interactive virtual course is designed for a progressing high school student to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, composition, more advanced sight reading, ear training, musical terms and concepts, and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | MMC VPAA | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 4 HS - MF |

This interactive virtual course is designed for an advanced high school student to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, advanced scales, sight reading, ear training, music theory, terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | MMC VPAA | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 5 HS - MF |

This interactive virtual course is designed for an advanced 10-12th grade high school student to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music and instruments, sight reading, advanced scales, advanced ear training, advanced music theory, terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | MMC VPAA | Platform: MusicFirst | This course can only be taken once

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### Music Applied Level 6 - MF |

This interactive virtual course is designed for advanced 11-12th grade high school students to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music and instruments, sight reading, advanced scales, advanced ear training, advanced music theory, terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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### Music Appreciation HS - ED | |

**Music Appreciation: The Enjoyment of Listening;** Have you ever heard a music piece that made you want to get up and dance, sing, or even cry? Regardless of the genre, music moves us. In this course, students will learn about the influence of music from the Middle Ages to the 21st century and be introduced to musicians and composers through a historical lens. Students will learn how to listen to a variety of genres of music and gain a greater appreciation for the differences in music around the world.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Music Capstone HS |

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 VPAA | Platform: GLVP | This course can be taken up to 4 times

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### Music Explorations Level 1 HS - 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. Music Applied 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 | This course can only be taken once

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### Music Explorations Level 2 HS - MF |

This interactive course is designed for the developing high school student looking to further develop their personalized study of music by focusing on a specific instrument or voice. Music Applied 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 the theoretical and practical musical knowledge taught in the previous level. Students will complete weekly online assignments including 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 | This course can only be taken once

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### Music Explorations Level 3 HS - MF |

This interactive course is designed for the progressing 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 the theoretical and practical musical knowledge taught in the previous level. Students will complete weekly online assignments including more advanced music theory and ear training, a digital portfolio, 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 | This course can only be taken once

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### Music Explorations Level 4 HS - MF |

This interactive course is designed for the advanced high school student looking to further develop their personalized study of music by focusing on a specific instrument or voice. Music Applied 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 the theoretical and practical musical knowledge taught in the previous level. Students will complete weekly online assignments including advanced music theory and ear training, a digital portfolio, 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 | This course can only be taken once

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### Music Explorations Level 5 HS - MF |

This interactive course is designed for the advanced 10th-12th grade high school student looking to further develop their personalized study of music by focusing on expanding their skills on a specific instrument or voice. Music Applied 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 the theoretical and practical musical knowledge taught in the previous levels. Students will complete online assignments including advanced music theory and ear training, a digital portfolio, sight reading, notation and composition. Each student is expected to dedicate regular practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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 **Music Explorations Level 6 - MF** | 

This interactive course is designed for advanced 10th-12th grade high school students looking to further develop their personalized study of music by focusing on expanding their skills on a specific instrument or voice. Music Applied 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 the theoretical and practical musical knowledge taught in the previous levels. Students will complete online assignments including advanced music theory and ear training, a digital portfolio, sight reading, notation and composition. Each student is expected to dedicate regular practice time to developing their musical skills under the supervision of their teacher.

High School | Non-Essential | Full Year | Platform: MusicFirst | This course can only be taken once

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## ◆ Fine & Performing Arts - Theater ◆

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**Exploring Cinema HS - LI** |  | 

Exploring Cinema allows students to develop more advanced skills in film-making and cinematic productions. In this course, students continue to explore the technology used to create a film and begin to build an aesthetic appreciation of films. Students also explore media art and the ethics of media creation, giving them a wider perspective on the different ways material can be presented.

High School | Non-Essential | First or Second Semester | MMC VPAA | Platform: Lincoln | This course can only be taken once

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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. Prerequisites: None

High School | Non-Essential | First or Second Semester | Platform: Michigan Virtual | This course can only be taken once

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**Theatre Arts HS - GL** |  | 

This course is designed to be an exploration of the theatre arts for high school students. We will study the history and vocabulary of theater, along with analyzing stage techniques such as diction and pantomime. Video performance opportunities will help students to build confidence and sharpen their performance skills. Examination of the works of major playwrights for meaning, as well as identifying the function of plot tools and characterization. Students will have the opportunity to write an original script of their own. No prerequisite required.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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## ◆ Literature ◆

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**African American Literature - LI** | 

African American Literature is a survey course that spans the history of America as it relates to the lives of African Americans. Students explore the forcible transport of individuals from Africa to America, the publication of narratives of enslaved men and women, the abolition of slavery under President Lincoln, the civil rights movement, and the presidency of Barack Obama. Students explore the powerful and influential roles that African Americans have played in U.S. history. They discover the contributions of African American activists, artists, and authors through literature and nonfiction texts such as biographies, autobiographies, memoirs, court cases, historical texts, and litigations.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Greek and Roman Mythology - LI |

In Greek and Roman Mythology, students explore myths from Greece and Rome. They examine the history of mythology and some of the key gods and goddesses. Students learn to connect the cultures of ancient Greece and Rome with the culture of today. Throughout this course, students use technology and artistic practices to express their knowledge. In addition, they explore vocabulary, literary, and narrative elements, in addition to writing through the lens of mythology. Students work through the process of writing myths of their own through planning, drafting, revising, and publishing.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Mythology and Folklore - ED | |

Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### **The Lord of the Rings: An Exploration of the Films and Their Literary Influences** - ED |

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### World Literature - LI | |

In World Literature, students explore a wide variety of literary styles, artists, and mediums from cultures and societies around the globe. Students analyze different forms of writing, including fiction and nonfiction, and they evaluate how authors from different areas, religious backgrounds, genders, and cultures use the written word to express thoughts and opinions and tell poignant stories.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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## **Math**

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### 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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Math Related | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Business Mathematics A - LI | |

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-world mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

High School | Non-Essential | First Semester | MMC Math Elective | Platform: Lincoln | This course can only be taken once

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### Business Mathematics B - LI | |

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-world mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

High School | Non-Essential | Second Semester | MMC Math Elective | Platform: Lincoln | This course can only be taken once

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### Calculus A - LI | |

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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### Calculus B - LI | |

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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### Consumer Mathematics A - LI | ★ | |

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

High School | Non-Essential | First or Second Semester | MMC Math Related | Platform: Lincoln | This course can only be taken once

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### Consumer Mathematics B - LI | ★ | |

In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations.

High School | Non-Essential | First or Second Semester | MMC Math Related | Platform: Lincoln | This course can only be taken once

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### Math for College Success - AL | ★ |

Math for College Success is a course designed to help students prepare for 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 Math Related | Platform: ALEKS | This course can be taken up to 4 times

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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 Math Related | Platform: Michigan Virtual | This course can only be taken once

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 **Personal Finance HS - GL** |  | 

This course will follow the Michigan Merit Curriculum for the new state standards to complete a 1/2 credit of Personal Finance. These content expectations address important decisions people must make in their lifetimes around earning, spending, saving, credit, investing, and insuring. These standards set the foundation on which a high-quality curriculum can be built that engages students in understanding the social and economic forces that impact individual and household financial decisions. Units include: Earning Income, Buying Goods and Services, Budgeting and Saving, Using Credit (paying for College), Financial Investing, Protecting and Insuring, Paying Taxes, and Banking Basics.

High School | Non-Essential | First or Second Semester | MMC | Platform: GLVP | This course can only be taken once



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**Pre-Calculus A - LI** |  | 

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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**Pre-Calculus B - LI** |  | 

In Pre-Calculus, students develop a deeper and more thorough understanding of functions and graphs. Graphs that students study range from polynomial and rational to exponential, logarithmic, and trigonometric. Some exponential and logarithmic topics discussed in this course are change of base formulas, properties of logs, growth and decay, and logistic growth models.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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**Probability and Statistics - LI** |  | 

Students enrolled in Probability and Statistics build a strong foundation in calculating probabilities and evaluating statistics. The Probability and Statistics curriculum is designed to cover a half year of instruction but can be completed at each student's own pace. Students enrolled in the course explore representation of statistical data, working with scatter plots, analyzing statistical data using properties and theorems, and more.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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**Trigonometry - LI** |  | 

Trigonometry is offered for students who want to continue a rigorous study of mathematics. The course begins by reviewing the real number system, characteristics of functions, and solving equations. Topics from right-triangle trigonometry lead to an in-depth study of the unit circle and trigonometric functions, their graphs, and their inverses. In their study of analytic trigonometry, students verify identities and solve trigonometric equations. The course covers the Law of Cosines, the Law of Sines, and vectors. It closes with a complete study of conics, parametric equations, and polar curves. Before enrolling in this course, students should have completed Algebra II and Geometry.

High School | Non-Essential | First or Second Semester | MMC Math Related | NCAA | Platform: Lincoln | This course can only be taken once

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## ◆ Physical Education & Health ◆

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**Fencing HS - GL** | 

The focus of high school Fencing is to build on the skills taught in middle school Fencing. Students will work to improve their knowledge in all three Olympic swords: foil, epee, and saber, while at the same time becoming more experienced in the competition system. This virtual course delivers engaging assignments, fun activities, and quizzes.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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**Health - LI** | ★ | 📖 | EXAM

In High School Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles.

High School | Non-Essential | First or Second Semester | MMC Health | Platform: Lincoln | This course can only be taken once

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**Human Development and Family Studies - LI** | 📖 | EXAM

Students in the Human Development and Family Studies course explore the basic information about human development, parenting roles and strategies, and functioning effectively within the family in today's changing and complex society. This course helps students to develop competencies related genetics, family types, and effective communication. They investigate the ways in which humans develop over their lifespan, human relationships, child care, and child abuse. Students also learn the importance of creating a nurturing and caring home environment.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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**Life Skills - LI** | 📖

Life Skills provides students with important information that will help them to lead independent and successful lives as adults. In this course, students focus on topics including personal finance, nutrition, and personal development. The useful skills students gain in this course will help them to become responsible and proactive young adults.

High School | Non-Essential | First or Second Semester | Platform: Lincoln | This course can only be taken once

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**Muscles and Movement HS - GL** | 📖

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: GLVP | This course can be taken up to 4 times

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**Nutrition and Personal Fitness - LI** | ★ | 📖 | EXAM

High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good.

High School | Non-Essential | First or Second Semester | MMC | Platform: Lincoln | This course can only be taken once

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**Personal Wellness HS - GL** | 📖

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 | MMC | Platform: GLVP | This course can be taken up to 4 times

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 **Sailing-Intro HS - GL** |  | 

Gull Lake has a proud history as the top "sailing" lake in Western Michigan. Intro to Sailing will introduce students to the sport of sailing through a highly interactive and engaging online course. Learn about basic sailing skills such as key vocabulary terms and the rules of the sport. This course will center around building a strong base of understanding of the benefits of the sport of sailing and the different avenues sailing can provide for its participants.

High School | Non-Essential | Second Semester | Platform: GLVP | This course can only be taken once

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**Sports and Fitness HS - GL** | 

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 | MMC | Platform: GLVP | This course can be taken up to 4 times

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 **Sports Officiating HS - GL** |  | 

This sports officiating course is designed to equip students with the knowledge and skills to officiate various sports including football, basketball, baseball, softball, volleyball, and more. The online course will feature interactive modules and engaging activities that allow students to delve into the mechanics and philosophy of officiating. The course uniquely offers patented point-of-view video scenarios enabling learners to make calls and receive instant feedback, refining their judgment and movements. Upon completion, students will have the ability to apply their learning in action by officiating at middle school or youth league competitions, putting theory into practice for a real-world officiating experience.

High School | Non-Essential | First and/or Second Semester | Platform: GLVP | This course can be taken up to 2 times

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## ◆ Science ◆

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**Agriscience I: Introduction - ED** |  | 

The word 'agriculture' often evokes images of farms, fields, and livestock, and while all of these representations are correct and essential, the field of Agriculture is so much more! In Agriscience I Introduction, you'll explore how agriscientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let's get growing!

High School | Non-Essential | First Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Agriscience II: Sustaining Human Life - ED** |  | 

Science and technology are revolutionizing many areas of our lives - and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, animals, and other natural resources. Let's delve deeper into important agri-areas such as soil science and weed management. And explore research on plant and animal diseases as well as the insects and other pests that can impact agricultural enterprises and natural resources. Science and technology are revolutionizing many areas of our lives - and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, animals, and other natural resources.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Anatomy and Physiology 1A: Introduction - ED** |  |  | 

Whether you plan on pursuing a career in health sciences or simply looking to gain an understanding of how the human body works, you'll first need to understand the relationship between anatomy and physiology. Learn how to read your body's story through understanding cell structure and their processes, and discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Anatomy and Physiology 1B: Discovering Form and Function - ED** | ★ |  | 

Examine the form and function of even more body systems. Learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. And discover the importance of accurate patient documentation as well as the technology used in the industry.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Economics | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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**Astronomy A - LI** | ★ | 📖 | EXAM

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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**Astronomy B - LI** | ★ | 📖 | EXAM

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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**Bioethics - MV** | ★ | 📖 | EXAM

Bioethics is a 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 students 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 vaccines, the use of animals in medical research, genetic engineering, cryonic preservation, and bioterrorism. Prerequisites: None.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: Michigan Virtual | This course can only be taken once

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**Biotechnology 1A: Introduction - ED** | 📖 | EXAM

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Biotechnology 1B: Unlocking Nature's Secrets - ED** | 📖 | EXAM

Dig deeper into the world of biotechnology! Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field. It's time to explore the depth and breadth of this fascinating field!

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Earth Science A - LI** | ★ | 📖 | EXAM

In Earth Science A, students discover the theories about how Earth first formed. They explore Earth's history and the different geologic processes that continually take effect and help to shape the planet. Students debate the ways in which human impacts affect the Earth's climate. Earth Science A topics include climate, geologic activity, human impacts, and plate tectonics.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Earth Science B - LI | ★ | 📖 | EXAM

In Earth Science B, students study Earth as a body within the solar system and universe. They also review Earth's renewable and finite resources. Earth Science B topics include plate tectonics, resources & energy, atmosphere, and weather. The course concludes with a virtual tour of Earth's atmosphere and oceans.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Environmental Science - LI | ★ | 📖 | EXAM

Environmental Science introduces students to the scientific method, terrestrial and aquatic ecosystems, biomes of the world, tropic interactions, and nutrient and chemical cycles. Students analyze the human impact on the environment and ways to reduce negative consequences. Students investigate environmental issues first hand and use their discoveries to make environmental decisions for themselves.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Forensic Science - LI | ★ | 📖 | EXAM

Students enrolled in Forensic Science will develop a better understanding of the reality of forensic science, which is often contradicted by the fictional forensic science portrayed in entertainment. Students begin by exploring the history and background of forensic science. They discover several forensic science disciplines, such as pathology, anthropology, toxicology, serology, entomology, and odontology. Students learn and use proper lab practices, which ensure the integrity of any collected organic and inorganic evidence. Students investigate chromatography, spectroscopy, and microscopy techniques. This course teaches the proper handling of impression evidence, such as shoe print, foot, tire, lip print, firearm, and fingerprint impressions while students examine the analysis of trace evidence, including hair and glass. The course concludes with an exploration into the ways in which forensic science is interconnected with the legal system, as well as what the future holds for forensic science. It includes numerous hands-on labs, including measuring a hypothetical time of death, extracting their own DNA, and analyzing their own fingerprint impressions. Forensic Science is ideal for high school students who are interested in forensic science, biology, law, and/or criminalistics. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course. In addition, students must be mature, independent learners and comfortable learning new technology. Please note: The concepts discussed in any forensic science course are intended for mature and responsible students only. Delicate and sensitive concepts related to forensic science will be discussed in a respectful and straightforward manner.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Fundamentals of Ecology - LI | 📖 | EXAM

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students will investigate ecological principles, such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Great Minds in Science HS: Ideas for a New Generation - ED | ★ | 📖 | EXAM

Does life exist on other planets? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions. Like such famous minds from history as Edison, Einstein, Curie, and Newton, today's scientists are finding ways to revolutionize our lives and the world. Explore the extraordinary work of past individuals and how their ideas may very well shape the world of tomorrow.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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### Introduction to Forestry & Natural Resources - ED | 📖 | EXAM

Thriving forests are an essential part of the health of the planet, from our wildlife's ecosystem to providing humans with clean air to lumber and paper products. But forests cannot protect themselves and depend greatly on humans for conservation. Learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. Forestry offers diverse professional opportunities, and for those concerned about the environment, it is a great choice.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Introduction to Renewable Technologies - ED** |  | 

Renewable Technologies are becoming increasingly important as concerns about climate change, the use of fossil fuels, and population growth become foremost in the public eye. So, how do we address the world's growing concerns about energy sources? Uncover the development of new energy technologies and explore how recent approaches to renewable technologies unlock the solution needed for a safer, cleaner and more enduring world.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Marine Science 1A: Introduction - ED** |  | 

From tiny puddles to vast oceans, water allows for processes that impact all things around us from wildlife and the air we breathe to our health and more! In this course, you will examine the essential nature of water and how its special properties support all life on Earth. Through the lens of the Scientific Method, you will engage with scientific inquiry to study aquatic ecosystems and how water, land, and weather all work together to create unique living environments. You will also learn about scientists who were critical to aquatic science and how to form valid and reliable conclusions from your study of water like they did. Let's dive in and see what makes water vital to life.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Marine Science 1B: Our Blue Planet - ED** |  | 

Water is the flowing lifeline of the Earth, and it impacts the life of every living creature. But have you ever stopped to think about human' impact on water? In this course, you will discover more about the role we play in both threatening and protecting water sources. You will explore climate change and other events that concern Earth's water sources and expand your knowledge of marine science careers. You will also plan and execute a cumulative research project exploring an aquatic environment near you using the Scientific Method. Let's dive in and continue your exploration of the World's water!

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Medical Terminology 1A: Introduction - ED** |  |  | 

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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**Medical Terminology 1B: Discovering Word Foundations - ED** |  |  | 

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Oceanography B - MV | ★ | 📖 | EXAM

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 e textbook, 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 3rd Science | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Physical Science A - LI | ★ | 📖 | EXAM

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Physical Science B - LI | ★ | 📖 | EXAM

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | NCAA | Platform: Lincoln | This course can only be taken once

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### Plants: Exploration Around the World HS - GL | 🗣️

Plants give animals and humans food, shelter, oxygen, medicine, fiber, fuel, beauty and more! This course will teach students about exploration, inquiry, and research plant life on all seven continents. Botany is included. Did you ever wonder where cinnamon comes from? Which plant supplies the most oxygen? What health benefits do White Pine needles and rose hips share? How was pine resin used by the Anishinaabe people? Why is Broadleaf Plantain called white man's footstep? Is a banana plant a tree or a grass? These are just a few of the questions that will be answered during this year-long course of plant exploration.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 5 times

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### Principles of Agriculture, Food and Natural Resources - ED | 📖 | EXAM

Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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### Sports Medicine - LI | ★ | 📖 | EXAM

Sports Medicine provides students with basic knowledge of the history of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition, the course discusses techniques used in sports medicine to train and strengthen the body, treatments for injury and disease, and proper nutrition for athletes. Prerequisites: Students must possess basic word processing and presentation software knowledge and completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course.

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: Lincoln | This course can only be taken once

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### Survey in Nature HS - GL | 📍

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 | MMC 3rd Science | Platform: GLVP | This course can be taken up to 4 times

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### Veterinary Science: The Care of Animals - ED | ★ | 📖 | EXAM

Whether you want to step into the wild side of veterinary medicine or just take care of loveable dogs and cats, explore how to care for domestic, farm, and wild animals, diagnose their common diseases and ailments, and learn about different veterinary treatments. If you have always been drawn to the world of our furry, scaly, and feathered friends, this is the course for you!

High School | Non-Essential | First or Second Semester | MMC 3rd Science | Platform: eDynamic | This course can only be taken once

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## ◆ Social Studies ◆

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### 1960s America - LI | 📖 | EXAM

1960s America course gives students a look at life during this exciting and monumental decade. This course covers the social, political, and cultural movements and changes that occurred in the 1960s. Students explore different historical events and determine how these events impacted American citizens during the decade and afterward. The course also focuses on significant headlines of the 1960s to give students a realistic perspective of this decade.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### African American History - LI | 📖 | EXAM

African American History is a survey course that spans the history of America, including ancient African society and culture through the presidency of Barack Obama. Students examine the African American struggle to secure their constitutional rights. This course explores the powerful and influential role of African Americans in U.S. history.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Anthropology I: Uncovering Human Mysteries - ED | ★ | 📖 | EXAM

What makes us human? Is it our ability to use language, tools, or technology? Trace the history of homo sapiens and explore our evolutionary trail through an anthropologic lens to observe our movement from cave dwellers to modern humans. Learn how we forged our way and developed all of the things that make us humans, such as our cultures, languages, and religions.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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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 | This course can only be taken once

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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 | This course can only be taken once

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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 Economics | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | This course can only be taken once

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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 | This course can only be taken once

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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 | This course can only be taken once

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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 US History A | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 US History B | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World History A | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | First or Second Semester | MMC World History B | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Archaeology: Detectives of Past - ED | | |

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: eDynamic | This course can only be taken once

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### Criminology - ED | | |

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life: psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### History of the Holocaust - ED | |

“For the dead and the living, we must bear witness.” Discover the harrowing details of the history of the rise of anti-Semitism that contributed to the start of the Holocaust and the power of the Nazi party. Learn of the persecution of European Jews and other groups, and the tremendous aftermath for everyone involved in World War II, and what has been done since to combat genocide.

High School | Non-Essential | First or Second Semester | Platform: eDynamic | This course can only be taken once

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### Law - LI | |

In the Law course, students examine citizen obligations to law enforcement, the court system, and the rules and regulations that all Americans are expected to uphold. They explore the terminology and the regulations that structure and control society. Students study different types of crime and the law enforcement powers that are put in place to regulate and diminish overall crime. Students who are interested in a law career will benefit from learning the law and justice terminology presented in this course.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Native American Oral Traditions HS - GL | ★ |

This semester long course will explore the art of Native American oral traditions which the indigenous peoples of North America used to preserve and pass on their history. Students will study this oral literature presented through songs, folklore, and creation stories with the objective of helping students understand prominent aspects of the Native American legacy and its cultural importance in American history. Through discussion posts, reading & writing assignments, projects, and activities, students will study the stories, teachings, and dominant archetypes which were used to transmit the oral literature of American Indians. By the end of this course, students will be able to explain the meaning of oral tradition and how it is used in the transmission of culture. Students will also be able to discuss the significance of Native American oral tradition and understand that these traditions deserve the same respect and recognition as written history.

High School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Philosophy: Big Picture - ED | ★ | |

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: eDynamic | This course can only be taken once

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### Political Science - LI | |

Political Science is an introduction to political science as an academic discipline. Students discover the origin, creation, and function of different political systems within the United States and across the globe. Students explore political theories, such as systems theory and the social contract theory. Additionally, students examine economic concepts, how countries interact with one another, international governmental organizations and nongovernmental organizations, and the role of media in politics while developing skills in research methodology.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Psychology - LI | |

In Psychology, students explore the science of explaining and controlling human behavior. Psychology plays an integral part in everyday life because all decisions, relations, and emotions are closely tied to behavior and genetics. Within this course, students look at behavior, and they consider prominent psychologists who have made impressive and monumental discoveries through testing, research projects, and proving theories. Students study everything from the anatomy of the brain to psychological disorders.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### Sociology - LI | |

In the Sociology course, students explore the various topics and sociological terminology necessary for understanding and exploring the field. Students investigate major sociological perspectives and the famous sociologists who invented and contributed to them. Additionally, students determine how researchers perform valid and reliable sociological studies. This course is ideal for students who are interested in pursuing post-secondary careers in sociology, psychology, law, or other social sciences.

High School | Non-Essential | First or Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### World Cultures A - LI | |

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

High School | Non-Essential | First Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### World Cultures B - LI | |

World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

High School | Non-Essential | Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### World Geography A - LI | |

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

High School | Non-Essential | First Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### World Geography B - LI | |

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

High School | Non-Essential | Second Semester | NCAA | Platform: Lincoln | This course can only be taken once

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### World Religions: Exploring Diversity - ED | | |

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: eDynamic | This course can only be taken once

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## ◆ World Language ◆

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### American Sign Language 1A - ED | | |

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

High School | Non-Essential | First or Second Semester | MMC World Language | Platform: eDynamic | This course can only be taken once

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**American Sign Language 1B - ED** | ★ | 🖥️ | EXAM

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture – social beliefs, traditions, history, values, and communities influenced by deafness.

High School | Non-Essential | First or Second Semester | MMC World Language | Platform: eDynamic | This course can only be taken once

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**American Sign Language 2A - ED** | 🖥️ | EXAM

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimension to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

High School | Non-Essential | First or Second Semester | MMC World Language | Platform: eDynamic | This course can only be taken once

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**American Sign Language 2B - ED** | 🖥️ | EXAM

Ready to dive deeper into learning about the Deaf community, culture, and language? Learn about sequencing, transitions, role-shifts, and future tenses. Discover how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristics of this course.

High School | Non-Essential | First or Second Semester | MMC World Language | Platform: eDynamic | This course can only be taken once

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**American Sign Language Beginner HS - GL** | 📞

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 content through engaging assignments, quizzes and projects.

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 4 times

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**American Sign Language Intermediate HS - GL** | 📞

This course is the next level after American Sign Language Beginner. Students will continue to build vocabulary and conversational sign language proficiency. Fun and engaging weekly lessons and assignments about topics that are relevant to students will include more fingerspelling, advanced numbers, and number applications. Prerequisite: American Sign Language Beginner HS

High School | Non-Essential | Full Year | Platform: GLVP | This course can be taken up to 3 times

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### 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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Culinary Kitchen International! HS - GL |

Experience Food and Cultures of the World and right here in the United States while learning the fundamentals of cooking! High school students in this class will be exposed to the food of countries around the world. This course is also designed to help students learn kitchen concepts including equipment, safety and sanitation. Students will learn food preparation techniques for fruits, vegetables, grains, dairy, and protein foods through an introduction to dishes from various countries. This virtual course delivers content through engaging assignments, quizzes and fun activities.

High School | Non-Essential | First or Second Semester | Platform: GLVP | This course can only be taken once

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### Exploratory Spanish I HS - GL |

This Spanish class offers high school students the opportunity to explore the study of Spanish by building a vocabulary base and concentrating on listening skills as they hear the language in the context of short stories. This class also focuses on learning the four basic language skills: listening, speaking, reading and writing. This virtual course delivers engaging, videos, activities and assignments. Students will also have the opportunity to look into the culture of the Spanish speaking world.

High School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### Exploratory Spanish II HS - GL |

This Spanish class offers high school students the opportunity to continue 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 basic language skills: listening, speaking, reading and writing. Study of the Spanish culture is included in this class through different projects. Students will have the opportunity to converse with native Spanish speakers in different discussion groups. Join us in this exciting experience of learning a new language. This virtual course delivers engaging content, activities and assignments.

High School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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### French I A - LI | |

French I is an introductory course designed for students who have little or no previous knowledge of the French language and culture. This course will allow students to acquire the tools necessary for communication and comprehension of the French language. Students explore the global francophone community, and they compare these different cultures to each other and to their own. This course primes students' fluency through various types of communications.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### French I B - LI | |

French I is an introductory course designed for students who have little or no previous knowledge of the French language and culture. This course will allow students to acquire the tools necessary for communication and comprehension of the French language. Students explore the global francophone community, and they compare these different cultures to each other and to their own. This course primes students' fluency through various types of communications.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### French II A - LI | |

In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the passé composé with avoir and être, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### French II B - LI | |

In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the passé composé with avoir and être, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### French III A - LI | |

In French III, students continue their study of the French language and popular French culture. They use larger vocabulary terms and explore a variety of literary texts that include the structures and vocabulary that they are learning. In this course, students study vocabulary, grammar, and culture in context through authentic literary and journalistic texts, putting these items into practice through written and spoken tasks.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### French III B - LI | |

In French III, students continue their study of the French language and popular French culture. They use larger vocabulary terms and explore a variety of literary texts that include the structures and vocabulary that they are learning. In this course, students study vocabulary, grammar, and culture in context through authentic literary and journalistic texts, putting these items into practice through written and spoken tasks.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | Platform: Michigan Virtual | This course can only be taken once

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**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 Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 Semester | MMC World Language | Platform: Michigan Virtual | This course can only be taken once

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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 | Second Semester | MMC World Language | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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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 World Language | NCAA | Platform: Michigan Virtual | This course can only be taken once

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### Spanish I A - LI | |

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish I B - LI | |

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish II A - LI | |

Spanish II is the next course in the Spanish sequence, and this course introduces complex grammatical components, such as reflexive verbs and the present progressive, preterite, and imperfect tenses, along with idiomatic expressions unique to the Spanish language. Building on an ever-growing lexicon, students incorporate concepts to form questions, express preferences and possession, discuss the past, and describe and compare people, places, and locations. Spanish II continues to build a foundation for students in their pursuit to learn and master the Spanish language.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish II B - LI | |

Spanish II is the next course in the Spanish sequence, and this course introduces complex grammatical components, such as reflexive verbs and the present progressive, preterite, and imperfect tenses, along with idiomatic expressions unique to the Spanish language. Building on an ever-growing lexicon, students incorporate concepts to form questions, express preferences and possession, discuss the past, and describe and compare people, places, and locations. Spanish II continues to build a foundation for students in their pursuit to learn and master the Spanish language.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish III A - LI | |

In Spanish III, students acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. This course allows students to increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students describe, analyze, summarize, and explain ideas verbally and in writing using the Spanish language.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish III B - LI | |

In Spanish III, students acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. This course allows students to increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students describe, analyze, summarize, and explain ideas verbally and in writing using the Spanish language.

High School | Non-Essential | First or Second Semester | MMC World Language | NCAA | Platform: Lincoln | This course can only be taken once

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### Spanish Language and Culture HS - GL |

This course offers focused exposure to the Spanish language through many opportunities to learn about and experience the culture of Mexico and the Dominican Republic. This Spanish course helps high school students learn more advanced vocabulary as well as practice speaking and listening to Spanish. We will explore the Spanish culture, rich in traditions, customs, celebrations and food! Students will have a chance to not just learn about the customs and food - but also to set up and serve a full meal! Join this course to continue to expand your Spanish knowledge and understanding.

High School | Non-Essential | Full Year | Platform: GLVP | This course can only be taken once

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