



# 2018 - 2019 Course Descriptions

All courses represent a collaborative effort between certified teachers and community experts. Our highly qualified certified teaching staff lead each course according to need and requirements.

The courses in this catalog are designed to supplement your core curriculum.

Disclaimer: With the exception of courses from Gull Lake Virtual vendors, Gull Lake Partnership courses are non-essential courses and do not meet state guidelines for (core) essential. Only full-time students may take core subjects, unless it is an AP or a college course. Students may not be enrolled in any other public school program.

Following MDE's leadership in their Top 10 in 10, with an eye on Competency- Based Assessment, all of our virtual courses offer application opportunities.

Application opportunities, although not mandatory, are encouraged as it allows virtual students to get out into the community and acquire knowledge and skills through study with experts.

All courses in this catalog are available to all Gull Lake students, traditional, virtual and Partnership. PLEASE NOTE: Partnership courses can only appear as elective courses on a traditional transcript. All Partnership courses are non-essential and do not satisfy any grade level essential (core) requirements of state recognized standards.

All courses in this catalog have been approved by the Gull Lake Board of Directors as non-essential courses.

All courses in this catalog are also available to students at the District's elementary, middle, and high schools. No course in this catalog is required for graduation or used for grade progression. These courses cannot be used to fulfill a student's algebra 1, algebra 2, English 9-12, geometry, biology, chemistry, physics, economics, geography, American history, world history, the Constitution, government, or civics requirements.

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# **Elementary**

## Course Descriptions

## Career Cruising

### CC3EV05 **Flashing Lights! Move Over! (Virtual)**

This course is designed for very young elementary students to learn about different emergency vehicles and their specific purposes. Students will have the opportunity to visit a variety of garages where the vehicles are housed. Students will keep a photographic account of these visits adding written comments to help show their understanding. Reading from a large selection of children's books and viewing age appropriate videos will encourage great discussions and form a strong knowledge base for the students to build on. Asking good questions is a worthy practice for young students to learn in this class. It encourages good thinking skills which will enhance the focus of the field trips and accentuate many possibilities for future career opportunities. All students of this class will have access to Career Cruising.

Elementary | Full Year

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## **Dance**

### **DA3EV00 Art and Methods of Dance-Elementary (Virtual)**

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

Elementary | Full Year

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### **DA3EV02 Dance Around the World-Elementary (Virtual)**

In this course, students will learn about a variety of dances from around the world, from the Tango in Argentina to Traditional Folk Dance in Switzerland. Students will also learn about the region of the dance. An introduction to the culture for each region will be included. This virtual course delivers engaging assignments, fun activities and quizzes.

Elementary | Full Year

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### **DA3EV04 Dancing from A-Z- Elementary (Virtual)**

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 | Full Year

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## Exploring Your World

### EW3EV11 **Art and Culture through American Girls (Virtual)**

Don't let the "Girls" part of the title fool you! This is a class for both boys and girls as students will experience both strong male and female characters in our study. Stroll down the streets of Williamsburg, sail across the Atlantic Ocean, gallop along the Columbia River in the Pacific Northwest- all this and more will capture students and engage them to learn more about art and culture. Follow eight young girls on a journey through time. Watch how the culture changes and how that affects life in the different time periods and how these girls discovered more about themselves and the world they live in. This class will use the original eight historical girls from the American Girl® collection. Character study, then and now comparisons, book summary, chapter summary with drawing, are just some of the lesson topics. This is a multi-sensory class, integrating hearing, seeing, writing, saying, and doing. Activities include, pottery, leather work, weaving, drawing, cooking. This virtual course delivers fun, engaging activities and quizzes.

Elementary | Full Year

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### EW3EV13 **Boxcar Children (Virtual)**

Climb Aboard! Experience the adventure of four orphaned children, Henry, Jessie, Violet, and Benny. In this course students will follow along on their adventure as they learn many lessons and experience life in many ways. We will bring the story to life and foster creativity through the use of projects, activities, arts, cooking, and more. Each student will create a lap-book to reinforce lessons taught. Our class will include the opportunity for field trips (optional) for each book that we read. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Full Year

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### EW3EV04 **Celebrate America (Virtual)**

This class is a celebration of America-just perfect for our young Americans! Kids celebrate America and find meaning. In our celebrations and remembrances: Independence Day, Martin Luther King Day, Labor Day, Memorial Day, Thanksgiving, Presidents` Day, and Flag Day. In our diversity and in our history: Native Americans, the Revolutionary War, early Settlers, the westward movement, the Civil War, the Industrial Revolution, Civil Rights Movement; and in our values and our cherished freedoms: democracy, freedom of speech, religion and the press, right to vote and equal rights and opportunities for all citizens. Class will explore meaning in our monuments, geography, and symbols of our country`s values: Niagara Falls, Golden Gate Bridge, Grand Canyon, Mount Rushmore, American Flag, American Bald Eagle, Liberty Bell, Statue of Liberty, and White House. We will encounter the powerful words that give our lives meaning: Pledge of Allegiance, Bill of Rights, I Have a Dream, Ask what you can do for your country, Declaration of Independence, Constitution. This virtual course delivers engaging assignments, fun activities and quizzes.

Elementary | Full Year

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### EW3EV15 **Crafts and Cooking from Cultures Around the World (Virtual)**

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 for children in grades K-5 to expand the appreciation of world cultures, while practicing crafts, cooking, map reading. This virtual course delivers engaging lessons, assignments, and fun activities.

Elementary | Full Year

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### EW3EV35 **Cultures Around the World (Virtual)**

Visit the seven continents with engaging craft and cooking activities. Each week we will visit a different country, meet a child from that country and learn about the culture using books, websites, crafts and cooking. We will learn where chocolate chip cookies came from, what children in Jamaica eat for breakfast and how to make baklava. We'll make our own Chinese fan, giant Sequoia tree and Eiffel Tower. Students will create a passport that is stamped when we visit each country. This class is designed for elementary children to expand their appreciation of world cultures, while practicing literacy, crafts, cooking, map reading and geography. Countries we visit include: Jamaica, France, China, Ethiopia, Great Britain, India, Thailand, Mexico and more! Books we will use for crafts and recipes include: Around the World Art and Activities, Kids Around the World Cook, Kids Around the World Create and Children Just Like Me. This virtual course delivers engaging activities, assignments and quizzes.

Elementary | Full Year

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**EW3EV16 Escape into Learning-Elementary (Virtual)**

Escape into Learning engages elementary students in a style of active learning that encourages them to use a variety of intellectual abilities to solve puzzles and accomplish tasks to achieve a specific objective. Students will work with the instructor to identify the educational topics to be used to theme the escape experiences. Each week students will complete virtual assignments to prepare them to become immersed in a thematic problem that will require teams to utilize cooperation, problem solving, and creativity to solve.

Elementary | Full Year

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**EW3EV02 Experiencing Arts and Technology-Elementary (Virtual)**

Experiencing Arts and Technology is a virtual course designed to explore many areas of study in an educational, fun, and often hands-on manner. This course offers a minimum of 34 day long experiences. This virtual course delivers content/lessons relating to each specific field experience that students would be required to complete whether or not they attend each field trip.

Elementary | Full Year

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**EW1EV33 Experiencing Arts and Technology-Elementary (Virtual)**

The course is designed to explore many areas of study in an educational, fun and often hands-on manner. This course offers a minimum of 17-day long experiences. 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.

Elementary | First Semester

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**EW2EV34 Experiencing Arts and Technology-Elementary (Virtual)**

The course is designed to explore many areas of study in an educational, fun and often hands-on manner. This course offers a minimum of 17-day long experiences. This course delivers content/lessons relating to each specific field experience. Students are required to complete whether or not they attend each field trip.

Elementary | Second Semester

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**EW3EV05 Global Connections (Virtual)**

Did you know that there are more than seven billion people in our world and over two billion of them are children under the age of 18? Through the use of interactive technology, art, stories, poems, crafts, cooking and hands on activities students will be able to experience a typical day in the life of children their own ages from other countries around our globe. Students will immerse themselves in the culture and customs of various countries learning about the people, their traditions, way of life, festivals, arts, music and local cuisine. This virtual course delivers fun, engaging assignments, activities and quizzes.

Elementary | Full Year

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**EW3EV17 Life on the Prairie (Virtual)**

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

Elementary | Full Year

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**EW3EV18 Magic School Bus (Virtual)**

Students will hop on board the Magic School Bus with Ms. Frizzle and gang to get up close and personal with exploration! Using the Magic School Bus kits and the series of books/videos, students will learn details about the environment around them. Activities planned for the class include art projects, experiments, and more! Grades 1st-3rd.

Elementary | Full Year

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**EW3EV19 Marvelous MiniBeasts and Where to Find Them (Virtual)**

Marvelous MiniBeasts and Where to Find Them is designed for beginner elementary students to explore the fantastic world of the small. These young beginners will have an opportunity to explore our local environment, raise and observe critters, and utilize hands on inquiry to gain an understanding of the physical traits, habitats, life cycles, and ecological impacts of a wide variety of small creatures. MiniBeast topic knowledge will be reinforced through this virtual course of engaging assignments, fun activities and a variety of modes of artistic expression.

Elementary | Full Year

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**EW1EV22 Ocean in Motion (Virtual)**

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

Elementary | First Semester

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**EW3EV23 Playful Learning (Virtual)**

Playful learning is a class 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. 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. This virtual course delivers engaging, fun lessons, assignments, and activities.

Elementary | Full Year

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**EW3EV31 Wild and Woolly is for the Birds! (Virtual)**

This course is designed for elementary students to increase their knowledge of birds focusing on identification, habitat preferences, eating and flight habits, calls and nesting habits. Lots of visual and auditory modes will be incorporated using online resources. Lessons will be applied to outdoor learning experiences using the school grounds. Journals will be used to record experiences for the entire year. The main focus of the class will be to read the land with the eyes of a budding naturalist and the respect of a preservationist.

Elementary | Full Year

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## **Future Factory**

### **FF1EV23 Build a Drone-Elementary (Virtual)**

Students will start by learning to solder and making their own small, battery-powered, LED circuit. Once they're comfortable soldering, students will be ready to build and test their first drone – Mini Lego Drone by Kitables. Then we can move on to a more complex drone, using the Flybrix drone kit, which allows us to test out quad, hex, and octo airframe designs! We will compare different designs and discuss basic electronics and flight techniques. This virtual course delivers engaging assignments, activities and quizzes.

Elementary | First Semester

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### **FF2EV26 Build a Drone-Elementary (Virtual)**

Students will start by learning to solder and making their own small, battery-powered, LED circuit. Once they're comfortable soldering, students will be ready to build and test their first drone – Mini Lego Drone by Kitables. Then we can move on to a more complex drone, using the Flybrix drone kit, which allows us to test out quad, hex, and octo airframe designs! We will compare different designs and discuss basic electronics and flight techniques. This virtual course delivers engaging assignments, activities and quizzes.

Elementary | Second Semester

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### **FF3EV07 Calling all Inventors and Builders! (Virtual)**

In this course we will start with every child's favorite activity, playing with toys! As a class, we will pick out our favorite one and make our own design. During this process we are going to build multiple versions of that toy to test and perfect. The second half of the year we will focus on producing our final products. This course will include opportunities for various field trips and guest speakers. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Full Year

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### **FF3EV08 Claymation, Stop Motion and Video Editing (Virtual)**

This course will learn about the elements of Claymation and Stop Motion through Story Boarding, prop building, character development, filming, editing-and more. This class will also be producing, through puppetry, the "Bedford News" which will facilitate learning filming, lighting and editing skills. Topics will include, plasticine, armature, what makes a character loved, story development, and more. This virtual course delivers engaging, fun assignments, and quizzes.

Elementary | Full Year

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### **FF3EV09 Code with Minecraft 3rd-5th (Virtual)**

Students rapidly learn fundamental concepts as they build Minecraft worlds. Students learn important skills in sequencing, logic, and critical thinking. Students apply their coding skills to a variety of interests as they build and modify Minecraft. This virtual course delivers engaging, assignments, fun activities and quizzes.

Elementary | Full Year

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### **FF3EV13 Intro to Future Factory (Virtual)**

In this class, students will research and experiment with emerging technologies including virtual reality, augmented reality and artificial intelligence. They will theorize what jobs and societies will look like in the future. Students will independently design and prototype their futuristic ideas. This virtual course delivers engaging assignments, activities and quizzes.

Elementary | Full Year

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**FF1EV25 Intro to Electronics (Virtual)**

Students will learn about basic circuits and electronics without soldering. They will learn how hardware and software interact with some simple programming and have fun making projects, some to keep. We will start out looking at the Snap Circuits Light kit – with 175 projects you can build, take apart, and rebuild, including an infrared detector, a flying fan, and a strobe light. Then we will check out projects from LitteBits Gizmos and Gadget, building creations that interact with smartphones and tablets (provided in class) including games, driving robots, and a spinning lamp. Continuing with LittleBits, students will preview the Arduino Coding kit and build/program a couple of projects that connect to the computer like their own etch-asketch or computer mouse. This virtual course delivers engaging assignments, research, and quizzes.

Elementary | First Semester

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**FF3EV14 Jr. Tinkering (Virtual)**

This class will have a series of hands-on projects for kids to create, covering a variety of engineering concepts from building a hydraulic claw to learning how science can make “magic” (examples of previous crates). The first week’s video will introduce a new crate and briefly discuss related concepts. Students will go through the projects in the video, so they can follow along through demonstration. There will be discussion questions and related videos for each crate. The second week they will finish the project(s) and make modifications/improvements plus work on additional projects. There may be some extra materials required for these additional projects, which will be noted ahead of time. Every two weeks we will start a new crate, with a different theme. Students will come in to get a new set of crates three times throughout the year. We will also incorporate some projects using other resources, including a mouse-trap car, an erupting volcano, and more fun experiments.

Elementary | Full Year

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**FF3EV16 Robotics I Grades 3rd - 5th (Virtual)**

Students will use Lego EV3 Robotics Kits to learn how to build and program robots. Our curriculum was developed by Carnegie Mellon University. Here is their mission statement and vision for its use: Mission – “Use the motivational effect of robotics to excite students about science and technology.” Vision – “All students are technologically literate, mathematically competent, and confident about their future.” This virtual course has online lessons, resources, quizzes and fun activities.

Elementary | Full Year

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**FF3EV17 Robotics II (Virtual)**

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

Elementary | Full Year

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**FF1EV18 Robotics III (Virtual)**

This is a single-semester, final installment of the EV3 Robotics classes. This virtual course has online lessons, resources, quizzes and fun activities. Students will utilize two extra motors (now you can try out four-wheel drive), tread inserts for extreme traction, and a few other bonus parts. Learn to make gear boxes so you can switch between controlling different mechanisms with a single motor, and tackle a big project or two.

Elementary | First Semester

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**FF3EV19 Robotics Junior (Virtual)**

This virtual course delivers engaging lessons, resources, quizzes and fun activities. We will use the Simple and Motorized Mechanisms kit to learn building and physics principles. We will use Lego WeDo kits for building and programming. Students will build models featuring working motors and sensors, program their models, and explore a series of cross-curricular, theme-based activities while developing their skills in science, technology, and engineering. Grades K-2nd.

Elementary | Full Year

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**FF3EV20 Robotics Junior 1 Grades 1st - 2nd (Virtual)**

We will use the Simple and Motorized Mechanisms kit to learn building and physics principles. We will use Lego WeDo kits for building and programming. Students will build models featuring working motors and sensors, program their models, and explore a series of cross-curricular, theme-based activities while developing their skills in technology, and engineering.

Elementary | Full Year

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**FF3EV11 Robotics Junior II Grades 1st - 2nd (Virtual)**

This class is for students who have taken Jr. Robotics but are not yet ready for the more complicated building and programming in Robotics I. Students will use several robots to cover more complicated building and programming while still focusing on smaller-scale projects. Some robot kits we will use: Ozobot, Dot and Dash and Lego Boost.

Elementary | Full Year

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**FF3EV21 Strategy and Games (Virtual)**

This course is designed for very young elementary students to build, strengthen and create strategy skills. Students will make their own board games that use strategy and logic thinking skills. Encouraging the thinking about and use of numbers used every day will be applied through team work discussions and recorded in simple journals. Online visuals will help to enhance each week's lesson. This virtual course delivers fun, engaging activities and quizzes.

Elementary | Full Year

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**FF3EV15 You Think, You Create, You're the Engineer! (Virtual)**

This course is designed for an early elementary student to design and create objects and devices that solve situational problems in Odyssey of the Mind games. Weekly on-line learning will help to develop a variety of construction strategies. Constructing projects that will bend, turn, wave, kick, and not fall apart, are all distinct challenges that will facilitate working together using team-building skills.

Elementary | Full Year

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## Language

### LA3EV00 **American Sign Language Beginner (Virtual)**

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 in class, so live class attendance is mandatory. Students will get individualized attention during class for sign production and receptive skills (reading the instructor's signs). This virtual course delivers engaging, fun activities and quizzes.

Elementary | Full Year

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### LA3EV01 **American Sign Language Intermediate (Virtual)**

Students taking the ASL I class will attain intermediate 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 in class, so live class attendance is mandatory. Students will get individualized attention during class for sign production and receptive skills (reading the instructors signs). This virtual course delivers engaging, fun activities and quizzes.

Elementary | Full Year

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### LA3EV11 **Lessons Learned with Dr. Seuss (Virtual)**

Using the works of Dr. Seuss, students will learn life lessons through reading and hands-on activities with One Fish, Two Fish, Red Fish, Blue Fish and Hop on Pop. The books will lead to more challenging books such as The Lorax, Horton Hears a Who, and Cat in the Hat. Example of a lesson learned from The Lorax: unless someone like you cares a whole awful lot, nothing is going to get better. It's not. Lesson learned: Individuals can make a difference. It starts with caring and taking responsibility. This virtual course includes online material and fun activities.

Elementary | Full Year

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### LA3EV10 **Wonder of Words I (Virtual)**

Kindergarten students ABCs will be in motion in various fun ways to help your child learn and remember the alphabet. We will use our minds to master the means of remembering the ABCs and all their parts. We will then take phonics to the future by moving on with ABCs to blending and making words together as well as learning some special sounds and writing skills.

Elementary | Full Year

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## Music and Art

### MA3EV01 **Applied Art-Elementary (Virtual)**

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

Elementary | Full Year

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### MA1EV03 **Applied Music-Elementary (Virtual)**

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

Elementary | First Semester

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### MA2EV46 **Applied Music-Elementary (Virtual)**

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

Elementary | Second Semester

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### MA3EV05 **Art Appreciation-Elementary (Virtual)**

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 | Full Year

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### MA3EV41 **Children's Choir-Elementary (Virtual)**

Students will learn to sing together as a choir, male and female voices. They will learn about the vocal instrument and voice types. Objectives are to begin to read music on the musical staff as a class, and to be able to sight sing simple melodies, rhythms, and harmonies. Students should be able to sing two-part songs by the end of the year. Students will get age appropriate exposure to choral music, both classical and contemporary. This virtual course delivers engaging assignments, activities and quizzes.

Elementary | Full Year

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### **MA3EV26 Drama (Virtual)**

Interpretive movement is communication through rehearsed physical expression. Even simple routines can amplify, clarify, and beautify a thought. Physical expression of ideas is a natural and basic concept. Stories will come to life as students implement many ways of physical expression including hand signs, dowel rods, fabric, sign language, and drama to interpret lyrics and stories. Puppets can be a best friend, a sibling, a teacher, or even a pet. When used in the classroom, these puppets can help boost creativity and stimulate kids' imaginations at all ages. Puppets will be used to tell stories, act out dramas, and to interpret songs. Throughout the year, we will perform mini skits for our student families as well as scheduling outside performances for nursing homes, elementary schools, or other public opportunities. This class can be taken separately based on your student's desires, but as a great compliment to the Drama Creative Works class where the student can create their own puppet to use in performances.

Elementary | Full Year

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### **MA3EV25 Drama-Creative Works (Virtual)**

A crafty class filled with fleece, feathers, fun, and of course puppets!! Everyone loves puppets! Here you can let your creativity go wild! Some of the puppets we will be making include: black light puppets, character puppets, sock puppets, dowel rods, box puppets. We will form teams to create multi-person puppets. This class can be taken separately based on your student's desires, but is a great compliment to the Drama Performance class, where the student can share the puppets they created in a performance venue.

Elementary | Full Year

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### **MA3EV09 Let's Make Art-Elementary (Virtual)**

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 | Full Year

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### **MA1EV13 Music Explorations-Elementary (Virtual)**

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

Elementary | First Semester

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### **MA2EV14 Music Explorations-Elementary (Virtual)**

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

Elementary | Second Semester

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**MA1EV21 Tutti - Ensemble Musicianship (Virtual)**

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

Elementary | First Semester

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**MA2EV44 Tutti - Ensemble Musicianship (Virtual)**

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

Elementary | Second Semester

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## **Other**

### **OT3EV02 Time4Writing (Virtual)**

Time4Writing is an online writing course taught by a Gull Lake certified teacher. The elementary courses are designed to supplement any core language arts program. The curriculum will be delivered virtually to be done in with the guidance and assistance of the teacher. The teacher will also be available to meet in person. Our teacher will be available to help select your courses, if needed. Prerequisite: Ability to read and navigate the computer. Parental help and encouragement are usually appreciated by students for any virtual class. 3rd-5th grade students.

Elementary | Full Year

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## Physical Education

### PE1EV12 **Anatomy of Movement-18-Elementary (Virtual)**

This virtual course will introduce 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.

Elementary | First Semester

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### PE2EV13 **Anatomy of Movement-18-Elementary (Virtual)**

This virtual course will introduce 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.

Elementary | Second Semester

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### PE3EV01 **Fencing-Elementary 2nd-5th (Virtual)**

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.

Elementary | Full Year

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### PE1EV08 **Health and Wellness-18 Elementary (Virtual)**

This virtual course will introduce students to content to prepare and manage themselves to lead a healthy and active lifestyle. The content will build a foundation of knowledge on goal setting, hygiene, nutrition, along with social, physical, and mental well-being, etc. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application.

Elementary | First Semester

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### PE2EV09 **Health and Wellness-18 Elementary (Virtual)**

This virtual course will introduce students to content to prepare and manage themselves to lead a healthy and active lifestyle. The content will build a foundation of knowledge on goal setting, hygiene, nutrition, along with social, physical, and mental well-being, etc. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application.

Elementary | Second Semester

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### PE3EV22 **P.E. Foundations (Virtual)**

This class will help with the development of locomotor, cognitive, and social skills through physical activities and games. This course will also provide an introduction to movement concepts, rules and skills for the following sports: volleyball, soccer, badminton, pickleball, tennis, frisbee golf, basketball, football, and fitness. Students will learn to communicate through team sports.

Elementary | Full Year

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### PE1EV04 **Recreational Sports and Fitness-18 - Elementary (Virtual)**

This virtual course will introduce students to the effects of exercise on the body. The content will build a foundation of 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.

Elementary | First Semester

**PE2EV05 Recreational Sports and Fitness-18 - Elementary (Virtual)**

This virtual course will introduce students to the effects of exercise on the body. The content will build a foundation of 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.

Elementary | Second Semester

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# **Elem - Middle**

## Course Descriptions

## **Future Factory**

### **FF3QV24 Build and Program your own Computer with Python! (Virtual)**

Students will start with their very own Piper Computer Kit, which they will assemble into a small, working, computer! Students will jump into a world of computer code with a simple, yet versatile, programming language called Python. Python is used by everyone from beginners to professionals, so it is a great skill to learn. This class is meant for students with little or no experience with programming. With the Piper Computer Kit, students will not only make fun and simple programs on computers they built, but they will also make and test their code in Minecraft! The computers we build allow us to write and edit code within Minecraft. So, in a way, students will be making and playing their own personal version of the popular videogame! All materials are supplied.

Elem - Middle | Full Year

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### **FF1QV06 Building Beyond Legos (Virtual)**

Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including teaming up to make a Rube Goldberg Machine. At semester end, 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.

Elem - Middle | First Semester

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# **Middle School**

## Course Descriptions

## **Agriculture**

### **AG3MV00 Community Supported Agriculture (CSA) (Virtual)**

We will explore a variety of topics: CSA, annuals, perennials, vegetables, herbs, etc. Students will have opportunities for a variety of field trips (optional) where we will explore food innovation, preparation and storage, canning, freeze drying, dehydrating. We will visit seed companies, KVCC-Food Innovation Center, local FFA-Future Farmers of America, MSU, dairy companies, etc. Students will learn they have a say in what they eat and they will learn why food is important. Most importantly, they will come away armed with ways they can improve the way food is grown-soil nutrients and testing. This virtual course delivers engaging, assignments, and quizzes.

Middle School | Full Year

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## **Exploring Your World**

### **EW3MV36 Escape into Learning-Middle (Virtual)**

Escape into Learning engages elementary and secondary students in a style of active learning that encourages them to use a variety of intellectual abilities to solve puzzles and accomplish tasks to achieve a specific objective. Students will work with the instructor to identify the educational topics to be used to theme the escape experiences. Each week students will complete virtual assignments to prepare them to become immersed in a thematic problem that will require teams to utilize cooperation, problem solving, and creativity to solve.

Middle School | Full Year

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## **Future Factory**

### **FF1MV10 Build a Drone - Middle (Virtual)**

Students will start by learning to solder and making their own small, battery-powered, LED circuit. Once they're comfortable soldering, students will be ready to build and test their first drone, Mini Lego Drone by Kitables. Then we move on to a more complex drone, using the Flybrix drone kit, which allows us to test out quad, hex, and octo airframe designs! We will compare different designs and discuss basic electronics and flight techniques. This virtual course delivers engaging assignments, activities and quizzes.

Middle School | First Semester

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### **FF2MV11 Build a Drone - Middle (Virtual)**

Students will start by learning to solder and making their own small, battery-powered, LED circuit. Once they're comfortable soldering, students will be ready to build and test their first drone – Mini Lego Drone by Kitables. Then we move on to a more complex drone, using the Flybrix drone kit, which allows us to test out quad, hex, and octo airframe designs! We will compare different designs and discuss basic electronics and flight techniques. This virtual course delivers engaging assignments, activities and quizzes.

Middle School | Second Semester

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### **FF1MV02 Intro to Electronics (Virtual)**

Students will learn about basic circuits and electronics without soldering. They will learn how hardware and software interact with some simple programming and have fun making projects, Some to keep. We will start out looking at the Snap Circuits Light kit, with 175 projects you can build, take apart, and rebuilding an infrared detector, a flying fan, and a strobe light. Then we will check out projects from LitteBits Gizmos and Gadget, building creations that interact with smartphones and tablets (provided in class) including games, driving robots, and a spinning lamp. Continuing with LittleBits, students will preview the Arduino Coding kit and build/program a couple of projects that connect to the computer like their own etch-a-sketch or computer mouse. This virtual course delivers engaging assignments, research, and quizzes.

Middle School | First Semester

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### **FF1MV03 Robotics III (Virtual)**

This is a single-semester, final installment of the EV3 Robotics classes. In this class students will utilize two extra motors (now you can try out four-wheel drive), tread inserts for extreme traction, and a few other bonus parts. Learn to make gear boxes so you can switch between controlling different mechanisms with a single motor, and tackle a big project or two. Early in the semester will involve learning to use the new pieces, making gear boxes, and designing small projects. This virtual course delivers engaging, activities, demonstrations and quizzes.

Middle School | First Semester

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## **Music and Art**

### **MA3MV07 Children's Choir-Middle (Virtual)**

Students will learn to sing together as a choir, male and female voices. They will learn how to use the vocal instrument and about voice types. Objectives are to begin to read notes on the musical staff as a class, and to be able to sight sing simple melodies, rhythms, and two-part harmonies by the end of the school year. They will gain experience communicating with a conductor. Students will get age appropriate exposure to choral music, both classical and contemporary. The virtual lessons will include further development of skills as independent musicians and an overview of music history with an added focus on Blues and Jazz (1920's-40's) this year. It is encouraged that all students participate in both winter and spring recitals as a choir. No pre-requirements necessary.

Middle School | Full Year

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### **MA3MV43 Confectionery Art (Virtual)**

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

Middle School | Full Year

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# **Middle & High School**

## Course Descriptions

## Career Cruising

### CC3XV06 **Game Theory and Design (Virtual)**

Game Theory and Design encourages secondary students to explore how table-top games function and engage in the design process. Students will learn about the mechanics, themes, logic and engineering of different board games, card games and other table top games using weekly play-through and discussion as well as completing weekly online assignments. Once students have demonstrated a baseline understanding they will utilize their knowledge of game theory and design to create a game alone or as part of a team and learn the process required to produce and publish games. This virtual course delivers engaging assignments, activities and quizzes.

Middle & High School | Full Year

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### CC3XV03 **Photography (Virtual)**

This is a full year course of the study of light, digital photography and taking better images with whatever equipment you already have. Students will have the opportunity to hear guest speakers from the local photography community. We will also touch on what it takes to run a photography business and ways to turn your interest of photography into a career. This virtual course delivers engaging, assignments, research, activities and quizzes.

Middle & High School | Full Year

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## **Dance**

### **DA3XV01 Art and Methods of Dance-Secondary (Virtual)**

The art of dance involves many things: positioning, maintaining a healthy body, muscle memory, posture, etc. In this course, students will learn the main positions in dance, how to keep their body dance ready, and about muscle memory. Students will watch videos so they can practice through demonstration. No matter which form of dance they choose, students will benefit from this course because it is stemmed from the foundations of dance. Objectives: 1. Explain the proper positions in dance. 2.

Describe how to maintain a healthy dance body. 3. Describe muscle memory, what is it and the importance of maintaining muscle memory. This virtual course delivers engaging content, assignments and quizzes.

Middle & High School | Full Year

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### **DA3XV03 Dance Around the World-Secondary (Virtual)**

In this course, students will learn about a variety of dances from around the world. From the Tango in Argentina to Traditional Folk Dance in Switzerland. In this course, students will also learn about the region of the dance. Basic geography, food, and culture for each region will be included. Students will be challenged to discern which dance(s) helped create the dance form they are studying. This virtual course delivers lessons, assignments, research and quizzes.

Middle & High School | Full Year

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### **DA3XV05 Dancing from A-Z - Secondary (Virtual)**

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.

Middle & High School | Full Year

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## Exploring Your World

### EW3XV08 **A Look at What's Happening (Virtual)**

This course will be a dynamic class where the news of the week will be examined, discussed, and analyzed. Students will be encouraged to think for themselves about how the events that are happening in our community, state, nation, and world are shaping their lives and cultures. The course will help students look at events from different perspectives, respecting other points of view while also developing their own. Students will learn the value of knowing what major current events are taking place and asking key questions about how those events might impact them, the culture and the world over time.

Middle & High School | Full Year

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### EW3XV09 **Adulting 101 (Virtual)**

This class 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.

Middle & High School | Full Year

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### EW2XV12 **An In-Depth Look at Great Expectations and Les Miserables (Virtual)**

This course will help students strengthen their understanding of literature. Learning to understand a few works extremely well will serve students better over time than knowing many works at a superficial level. The techniques you master in these two works of literature may be applied to other readings, and writing techniques will serve you well in other assignments and courses. We will study in depth Great Expectations by Charles Dickens and Les Miserables by Victor Hugo. We will study in depth the character development and their interaction and relationship with others as well and the author's major themes. We will creatively analyze and immerse ourselves in these great classic works and discover how relevant they are to us today. This virtual course delivers engaging, assignments, fun activities and quizzes.

Middle & High School | Second Semester

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### EW3XV14 **Culinary Kitchen (Virtual)**

This course is designed to help the student learn kitchen concepts including equipment, safety and sanitation. Students will learn food preparation techniques for fruits, vegetables, grains, dairy, and protein foods. The course will help students make informed decisions in the areas of nutrition, food selection, preparation, menu planning and purchasing. This virtual course delivers engaging, assignments, fun activities and quizzes.

Middle & High School | Full Year

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### EW3XV03 **Experiencing Arts and Technology-Secondary (Virtual)**

Experiencing Arts and Technology is a virtual course, designed to explore many areas of study in an educational, fun, and often hands-on manner. This course offers a minimum of 34 day long experiences. This virtual course delivers content/lessons relating to each specific field experience that students would be required to complete whether or not they attend each field trip.

Middle & High School | Full Year

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### EW1XV37 **Experiencing Arts and Technology-Secondary (Virtual)**

The course is designed to explore many areas of study in an educational, fun and often hands-on manner. This course offers a minimum of 17-day long experiences. This course delivers content/lessons relating to each specific field experience. Students are required to complete content no matter their attendance of each field trip.

Middle & High School | First Semester

**EW2XV38 Experiencing Arts and Technology-Secondary (Virtual)**

The course is designed to explore many areas of study in an educational, fun and often hands-on manner. This course offers a minimum of 17-day long experiences. 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.

Middle & High School | Second Semester

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**EW3XV01 Making Shakespeare Fun (Virtual)**

This course is designed to combat the idea that Shakespeare is difficult or boring. The student will study six Shakespearean plays with in-depth discussion and analysis. We will review and discuss most of his other comedies, tragedies, and histories as well. The student will see how Shakespeare's lyrical poetry and moving narratives clearly define the good and evil of his characters and situations. The class will show how his works shaped the Elizabethan Age and the theater movement. They will learn how many of our current expressions and idioms have originated on the pages of Shakespeare's plays. The class will also cover a detailed study of the life of Shakespeare and a history of the Elizabethan Age. It is also an opportunity to actually bring his plays and characters to life as we have a hands-on approach to acting out scenes and experimenting with his language. This virtual course includes online material, activities and assignments. This virtual course delivers engaging lessons, research assignments and quizzes.

Middle & High School | Full Year

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**EW3XV20 Marvelous MiniBeasts and Where to Find Them (Virtual)**

Marvelous MiniBeasts and Where to Find Them is designed for secondary students to investigate the fantastic world of the small. Students will have an opportunity to explore our local environment, raise and observe critters, and utilize hands on inquiry to gain an understanding of the physical traits, habitats, life cycles, and ecological impacts of a wide variety of small creatures. MiniBeast topic knowledge will be reinforced through this virtual course of engaging assignments, research projects and a variety of modes of artistic expression.

Middle & High School | Full Year

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**EW1XV24 Political Culture (Virtual)**

All political thought thrives on discussion. The examination of multiple viewpoints enhances understanding and critical thinking. The incorporation of the history surrounding current political issues also promotes deeper understanding of the reasons people hold particular views. We will focus on all of these and discuss the philosophies of the founding fathers. What is the difference between liberty and freedom? Liberal, conservative, left, right, democrat, republican, moderate, socialist, libertarian, communist—what are their economic policies, and what plans do their promoters have for the future. This will be a fun, participatory, and interactive class with practical applications. We will also follow the 2018 midterm elections. This virtual course delivers lessons, assignments, research and quizzes.

Middle & High School | First Semester

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**EW1XV25 PSAT/SAT/ACT Test Prep (Virtual)**

This course may help your student qualify for thousands of dollars in extra financial aid!! Standardized tests like the PSAT, SAT, and ACT are frightening experiences for most students. The course will help the student to develop key skills that will boost a student's ability to score well on these tests. Students will learn keys to quick reading comprehension and word usage analysis. Students will learn vocabulary frequently used on the PSAT, SAT, and ACT and some practical strategies will be given. Students will be assisted in actually taking sections of past tests in timed settings so that the stress of timed test-taking in a competitive environment is reduced significantly. In this arena, confidence building is as important as "content building!" In the "game" of standardized test taking, confidence is the essential edge. Practice and experience guarantee increased confidence. This virtual course delivers engaging assignments, research, forums and/or discussions and quizzes.

Middle & High School | First Semester

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### **EW3XV06 Riveting Reads (Virtual)**

This course will study in depth six classic novels. We will study the life and times of the authors and the significance of their works. We will find lessons we can learn from the characters in the books and the choices they make. We will discuss and learn to appreciate how literary techniques are used in each of the books we study. Each student will receive a study guide for each book we read as well as a syllabus of literary terms. We will identify and learn literary terms such as allusion, flashback, foreshadowing irony, local color, symbolism, hyperbole, mood, tone, theme, plot, satire, and others. The students will all benefit from the discussion with each other, and they will become confident in their own analysis of the works! This is one of the best preparations for college and for standardized tests like the ACT, PSAT, and SAT. If you want your student to become “friends” with classic works of literature and renowned authors and have his/her appetite whetted for reading great works of literature, then this is the class for you! (Novels read are A Tale of Two Cities, Silas Marner, Cyrano de Bergerac, The Count of Monte Cristo, The Old Man and the Sea, and To Kill a Mockingbird) This virtual course delivers engaging assignments, research, activities and quizzes.

Middle & High School | Full Year

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### **EW3XV27 The Mind (Virtual)**

Our mind is the place where we do our thinking. It is the place that allows us to experience the outside world, have emotions, solve problems, worry, dream and control our bodies. In this class students will learn about our minds and why we think feel and react to certain situations, for example why we sometimes experience a physical reaction to an emotional situation such as getting a stomach ache before a big presentation or game. We will investigate why humans think and act the way they do, the human brain, memory, personalities and thoughts. Students will learn about great thinkers such as B.F. Skinner, Sigmund Freud, Ivan Pavlov, Carl Jung and Erik Erickson and influential thought experiments such as the Skinner box, the salivating dog and the Rorschach test. Students will also be introduced to modern day personality tests such as the Myer Briggs and the Enneagram. This virtual course delivers engaging lessons, research assignments and quizzes.

Middle & High School | Full Year

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### **EW1XV28 The Mind (Virtual)**

Our mind is the place where we do our thinking. It is the place that allows us to experience the outside world, have emotions, solve problems, worry, dream and control our bodies. In this class students will learn about our minds and why we think feel and react to certain situations for example, why we sometimes experience a physical reaction to an emotional situation such as getting a stomach ache before a big presentation or game. We will investigate why humans think and act the way they do, the human brain, memory, personalities and thoughts. Students will learn about great thinkers such as B.F. Skinner, Sigmund Freud, Ivan Pavlov, Carl Jung and Erik Erickson and influential thought experiments such as the Skinner box, the salivating dog and the Rorschach test. Students will also be introduced to modern day personality tests such as the Myer Briggs and the Enneagram. This virtual course delivers engaging lessons, research assignments and quizzes.

Middle & High School | First Semester

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### **EW2XV29 The Mind (Virtual)**

Our mind is the place where we do our thinking. It is the place that allows us to experience the outside world, have emotions, solve problems, worry, dream and control our bodies. In this class students will learn about our minds and why we think feel and react to certain situations, for example, why we sometimes experience a physical reaction to an emotional situation such as getting a stomach ache before a big presentation or game. We will investigate why humans think and act the way they do, the human brain, memory, personalities and thoughts. Students will learn about great thinkers such as B.F. Skinner, Sigmund Freud, Ivan Pavlov, Carl Jung and Erik Erickson and influential thought experiments such as the Skinner box, the salivating dog and the Rorschach test. Students will also be introduced to modern day personality tests such as the Myer Briggs and the Enneagram. This virtual course delivers engaging lessons, research assignments and quizzes.

Middle & High School | Second Semester

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**EW3XV30 Weather Wonders (Virtual)**

Weather Wonders is designed for secondary students to explore the amazing world of weather by observing and analyzing the weather, atmosphere and climate of southwest Michigan as well as other areas of the world. The students will expand their knowledge of the physical processes and mechanisms underlying weather through observation, research, experimentation, and modeling. This virtual course delivers lessons, assignments, research and quizzes. Topics of study will include energy, pressure, wind, precipitation, air masses, fronts, storm systems, basic climate, weather patterns and severe weather.

Middle & High School | Full Year

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**EW3XV32 Writings from the Heartland (Virtual)**

This class is a full year exploration of American writings from the early colonial days to the present. We will trace our literary roots through early journals and poetry, Poor Richard's Almanack, American folklore, tall tales, regional humor, Edgar Allan Poe's stories and poems, and early short story writers. After the Civil War, we will study postwar protest, Mark Twain, local colorists and regionalists, and the new styles of writing in the twentieth century. We will learn to appreciate diverse writers and the connection of our history and our literature. We will read and study together three American novels: The Scarlet Letter by Nathaniel Hawthorne, The Adventures of Huckleberry Finn by Mark Twain, and The Giver by Lois Lowry. We will study timelines and learn to evaluate poetry, stories, and novels in the light of the historical context. This virtual course delivers engaging lessons, research assignments and quizzes.

Middle & High School | Full Year

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## **Future Factory**

### **FF3XV04 Are You a Future Entrepreneur, Manufacturer or Inventor? (Virtual)**

Are you one of those creative types with all sorts of unique ideas, but the thought of actually turning those ideas into a viable product or business seems like it would take either a million dollars, a million years or both? You are not alone! This class will walk you through the basic steps it takes to go from concept to the final product. This will be a fast-paced class that condenses what often takes 18 months to complete into just one school year. We will accomplish this together by leveraging the knowledge and resources of various local businesses, community resources and elected officials to show us how to not only do this quickly but efficiently using modern technology, coupled with internet resources making entrepreneurship within the grasp of anyone, including you. This virtual course delivers engaging content, assignments and quizzes.

Middle & High School | Full Year

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### **FF3XV01 Build and Program Your Own Computer with Python! (Virtual)**

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

Middle & High School | Full Year

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### **FF3XV05 Craft the Future (Virtual)**

Students will research and design a futuristic world in Minecraft. They will learn about emerging technology, including artificial intelligence and augmented reality. They will collaborate to build and sustain a society in the futuristic world they imagine, anticipating and reacting to challenges in this environment. Students will learn technology skills. They will also learn about issues that advances in technology cause.

Middle & High School | Full Year

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### **FF3XV12 Exploration of Future Factory (Virtual)**

In this class, students will research and experiment with emerging technologies including virtual reality, augmented reality and artificial intelligence. They will theorize what jobs and societies will look like in the future. Students will research problems, design and prototype the idea while hypothesizing possible markets and challenges that they must address. This virtual course delivers engaging assignments, activities and quizzes.

Middle & High School | Full Year

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## Language

### LA3XV02 American Sign Language Beginner (Virtual)

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.

Middle & High School | Full Year

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### LA3XV03 American Sign Language Intermediate (Virtual)

Learn grammar rules in American Sign Language. Learn to have conversations in ASL without talking. Learn mapping with correct signs for geographic locations, nationally and globally. Develop clear understanding of how to use classifiers in ASL. Study fluent ASL users online to enhance visual receptive skills. Study Deaf Culture and social norms. Meet Deaf professionals and interview them about their experiences and education. Begin to explore basic concepts in interpreting. This class is considered prep for taking a foreign language credit in most colleges/universities and could help students prepare for course placement testing. ASL Beginner and teacher approval required.

Middle & High School | Full Year

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### LA3XV09 French Language I (Virtual)

This French class offers students the opportunity to explore language study by building a vocabulary base and concentrating on listening skills as they hear the language context. This class also focuses on the learning of the four basic language skills: listening, speaking, reading and writing. This virtual course delivers engaging content, activities and assignments. Students will also have the opportunity to learn about and experience the culture of French speaking countries.

Middle & High School | Full Year

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### LA3XV05 Latin I (Virtual)

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

Middle & High School | Full Year

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### LA3XV06 Latin II (Virtual)

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

Middle & High School | Full Year

**LA3XV07 Spanish Language I (Virtual)**

This Spanish class offers 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. This virtual course delivers engaging, videos, activities and assignments.

Middle & High School | Full Year

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**LA3XV08 Spanish Language II (Virtual)**

This Spanish class offers 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.

Middle & High School | Full Year

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**LA3XV04 Welcome to M Cubed (Virtual)**

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

Middle & High School | Full Year

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## **Music and Art**

### **MA3XV00 Acting through Improv and Role Playing (Virtual)**

Acting through Improv and Role Playing is designed for secondary students to strengthen their acting skills, develop their imagination and build their ability to speak in front of groups using games, exercises, and weekly online assignments. Students will develop their communication, confidence, commitment, listening, focus, story-telling, and spontaneity. We will be breathing life into characters from the page, building unique characters, and exploring how environments, themes and scenes impact our characters and the story we are telling. This virtual course delivers engaging assignments, research, and quizzes. Students may only take this class once.

Middle & High School | Full Year

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### **MA3XV02 Applied Art-Secondary (Virtual)**

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

Middle & High School | Full Year

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### **MA1XV04 Applied Music-Secondary (Virtual)**

This course is designed for a student to personalize their study of music by focusing on a specific instrument or voice. The student, in concert with their teacher will craft a personalized learning plan that expands their theoretical and practical music knowledge. Virtual assignments include listening reflections, a practice journal for their instrument or voice, introduction to the instruments of the band and orchestra, and more.

Middle & High School | First Semester

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### **MA2XV45 Applied Music-Secondary (Virtual)**

This course is designed for a student to personalize their study of music by focusing on a specific instrument or voice. The student, in concert with their teacher will craft a personalized learning plan that expands their theoretical and practical music knowledge. Virtual assignments include listening reflections, a practice journal for their instrument or voice, introduction to the instruments of the band and orchestra, and more.

Middle & High School | Second Semester

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### **MA3XV06 Art Appreciation -Secondary (Virtual)**

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

Middle & High School | Full Year

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### **MA3XV10 Let's Make Art-Secondary (Virtual)**

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

Middle & High School | Full Year

**MA1XV15 Music Explorations-Secondary (Virtual)**

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

Middle & High School | First Semester

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**MA2XV16 Music Explorations-Secondary (Virtual)**

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

Middle & High School | Second Semester

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**MA1XV18 The Ensemble Musician (Virtual)**

This course is designed for the middle or high school student who has an interest in ensembles. The focus is on learning how to be an effective member of an ensemble or group, developing an understanding of ensemble playing, building musical relationships and rapport with others in the ensemble, and learning about different types of ensembles and instrument combinations. This course delivers fun, engaging content, ensemble listening reflections, and other activities. Assignments will also include an introduction to the instruments of the band, orchestra, voice types, and more.

Middle & High School | First Semester

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**MA2XV19 The Ensemble Musician (Virtual)**

This course is designed for the middle or high school student who has an interest in ensembles. The focus is on learning how to be an effective member of an ensemble or group, developing an understanding of ensemble playing, building musical relationships and rapport with others in the ensemble, and learning about different types of ensembles and instrument combinations. This course delivers fun, engaging content, ensemble listening reflections, and other activities. Assignments will also include an introduction to the instruments of the band, orchestra, voice types, and more.

Middle & High School | Second Semester

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## **Other**

### **OT2XV00 Practical Public Speaking (Virtual)**

Skillful public speaking is a great predictor of success vocationally and relationally. This class will teach the core principles of public speaking as well as prepare students for real situations in life where effective public speaking is needed. This virtual course includes online material, activities and assignments. Students will learn how to make the following speeches: toast at a reception, personal introduction, award presentation, impromptu, informative, demonstration, persuasive, and others. Students will learn how to organize, outline, and deliver speeches, learning that preparation and experience are the keys to speaking with confidence. Some people are more gifted at public speaking, but everyone is created with the ability to communicate clearly and effectively if properly trained. Students will be graded mainly on the thoroughness of their preparation and their ability to be clear and poised. A speech syllabus will be given to each student for use in class and beyond. The importance of nonverbal communication (eyes, pacing, pauses, facial expression, etc.) will also be emphasized. Specific help will be provided to combat and prevent stage fright. Weekly participation is highly recommended and encouraged in order to achieve the lifelong benefits from this class.

Middle & High School | Second Semester

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### **OT3XV03 Time4Writing (Virtual)**

Time4Writing is an online writing course taught by a Gull Lake certified teacher. The middle school and high school courses are designed to supplement any core language arts program. The curriculum will be delivered virtually with the guidance and assistance of the teacher. The teacher will also be available to meet in person. The courses range from Basic grammar skills to SAT writing skills. Our teacher will be available to help select your courses.

Middle & High School | Full Year

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## Physical Education

### PE1XV10 **Anatomy of Movement-18-Secondary (Virtual)**

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.

Middle & High School | First Semester

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### PE2XV11 **Anatomy of Movement-18-Secondary (Virtual)**

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.

Middle & High School | Second Semester

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### PE3XV14 **Basketball Basics (Virtual)**

This course is designed to help students understand the basic skills and concepts of basketball. 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 at playing basketball. This virtual course includes online material, activities and assignments of basic skills, rules of the game, teamwork.

Middle & High School | Full Year

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### PE3XV00 **Fencing (Virtual)**

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

Middle & High School | Full Year

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### PE1XV06 **Health and Wellness-18 Secondary (Virtual)**

This virtual course will introduce students to content to prepare and manage themselves to lead a healthy and active lifestyle. The content will further expand knowledge on goal setting, hygiene, nutrition, along with social, physical, and mental well-being, etc. Students will benefit from added understanding of the virtual curriculum through the use of student directed real life application.

Middle & High School | First Semester

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### PE2XV07 **Health and Wellness-18 Secondary (Virtual)**

This virtual course will introduce students to content to prepare and manage themselves to lead a healthy and active lifestyle. The content will further expand knowledge on goal setting, hygiene, nutrition, along with social, physical, and mental well-being, etc. Students will benefit from added understanding of the virtual curriculum through the use of student directed real life application.

Middle & High School | Second Semester

**PE3XV15 P.E. Lifetime Sports and Fitness (Virtual)**

The purpose of this class is to present students with up-to-date knowledge in various sports and fitness. Students will be taught rules, history, and strategies for a variety of sports. Students will also be taught techniques in skill development appropriate for each sport. The class will also involve lifetime fitness. The course will include volleyball, soccer, softball, badminton, pickleball, tennis, ultimate frisbee, frisbee golf, basketball, football, and fitness. Within each sport will be an introduction, drills, skills, strategies, technique, games, and a tournament. The goal for these P.E. classes is to increase overall fitness levels by understanding and applying fitness concepts to a regular workout and a variety of physical activities. This virtual course includes online material, activities and assignments of basic skills, rules of the game, teamwork and more.

Middle & High School | Full Year

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**PE1XV02 Recreational Sports and Fitness-18 - Secondary (Virtual)**

This virtual course will introduce students 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.

Middle & High School | First Semester

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**PE2XV03 Recreational Sports and Fitness-18 - Secondary (Virtual)**

This virtual course will introduce students 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.

Middle & High School | Second Semester

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**PE3XV21 Volleyball (Virtual)**

Students will begin learning basic volleyball skills, rules, strategy, sportsmanship and etiquette. Students will build confidence in the lifetime sport of volleyball. This virtual course delivers engaging lessons, assignments, and quizzes

Middle & High School | Full Year

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# **High School**

## Course Descriptions

## Career Cruising

### CC1HV00 Community Connector 1.0 (Virtual)

Community Connector 1.0 (CC-1) is an independent study that helps you explore college and career options following an individualized learning approach that encourages you to 1)pick a college or career-related topic to study; 2)perform your own investigation that addresses that topic; 3)design/carry-out/evaluate your own project, and tell others about the outcomes of your project. Possible projects include: internships, service learning, job shadowing, pre-apprenticeships by building meaningful relationships with a wide range of community employers, CC-1 is designed to provide you with viable community-based learning opportunities that not only assist you in your career exploration plans, but also expand your appreciation for the value of community citizenship. The Partnership supports you in these projects with an advisor who facilitates the project's activities in cooperation with the community organization's host-mentor. All projects are designed to provide you with an opportunity to gain practical community-based experience that complements your academic pursuits with clearly defined project expectations, learning goals and reflection exercises.

High School | First Semester

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### CC2HV01 Community Connector 1.0 (Virtual)

Community Connector 1.0 (CC-1) is an independent study that helps you explore college and career options following an individualized learning approach that encourages you to 1)pick a college or career-related topic to study; 2)perform your own investigation that addresses that topic; 3)design/carry-out/evaluate your own project, and tell others about the outcomes of your project. Possible projects include: internships, service learning, job shadowing, pre-apprenticeships by building meaningful relationships with a wide range of community employers, CC-1 is designed to provide you with viable community-based learning opportunities that not only assist you in your career exploration plans, but also expand your appreciation for the value of community citizenship. The Partnership supports you in these projects with an advisor who facilitates the project's activities in cooperation with the community organization's host-mentor. All projects are designed to provide you with an opportunity to gain practical community-based experience that complements your academic pursuits with clearly defined project expectations, learning goals and reflection exercises.

High School | Second Semester

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### CC3HV02 Community Connector 1.0 (Virtual)

Community Connector 1.0 (CC-1) is an independent study that helps you explore college and career options following an individualized learning approach that encourages you to 1)pick a college or career-related topic to study; 2)perform your own investigation that addresses that topic; 3)design/carry-out/evaluate your own project, and tell others about the outcomes of your project. Possible projects include: internships, service learning, job shadowing, pre-apprenticeships by building meaningful relationships with a wide range of community employers, CC-1 is designed to provide you with viable community-based learning opportunities that not only assist you in your career exploration plans, but also expand your appreciation for the value of community citizenship. The Partnership supports you in these projects with an advisor who facilitates the project's activities in cooperation with the community organization's host-mentor. All projects are designed to provide you with an opportunity to gain practical community-based experience that complements your academic pursuits with clearly defined project expectations, learning goals and reflection exercises.

High School | Full Year

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### CC3HV04 Community Connector 2.0 (Virtual)

Community Connector 2.0 (CC-2) encourages you, a student who has successfully completed (CC-1) to use similar individualized learning approach to either explore a new college or career-related topic or to continue his/her exploration of the topic targeted in CC-1.

High School | Full Year

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## **Music and Art**

### **MA3HV12 Music Appreciation (Odysseyware) (Virtual)**

The goal of this year-long course is to provide instruction in basic musical elements, trace the development and growth of classical music, and give students a strong foundation for a greater appreciation of music. Students will examine music in the world around them and discover how they experience music. They'll be introduced to the basic elements and sounds of music and instruments. Students will learn the names and backgrounds of several famous musical composers. Students will also learn how and where classical music began, how it developed over the centuries, and the ways in which music and culture affect each other. Lastly, students will examine the ways modern music has been influenced by classical music. This course also provides students with lessons in engaged listening to allow students to listen and respond to music. A template for how to listen and respond is provided. Upon completion of the course, students should be able to do the following: describe effective techniques to listen and respond to music, identify and name common instruments by sight or sound, identify and define musical terms such as beat, meter, notes, and tempo, compare and contrast music from the Medieval, Renaissance, and Baroque periods, list ways in which the societies of the Medieval, Renaissance, and Baroque periods affected their music, compare and contrast music from the Classical and Romantic periods, list ways in which the societies of the Classical and Romantic periods affected their music, analyze the effects of classical and popular music on the music of the 20th century.

High School | Full Year

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### **MA3HV17 Music Theory (Odysseyware) (Virtual)**

Music Theory is a full-year fine arts elective for high school students. The course requires no prior instrumental, vocal, or music theory study. Using the piano keyboard as a visual basis for comprehension, the course materials explore the nature of music, integrating these concepts: rhythm and meter, written music notation, the structure of various scale types, interval qualities, melody and harmony, the building of chords, transposition. Ear training exercises are interspersed with the bones of composition technique, building the ability not only to hear and appreciate music, but step-by-step, to create it in written form as well. This highly interactive course culminates in the students producing original compositions, which while based on standard notation, demonstrate facets of personal expression. As the students' ability to perform increases in the future, they will better understand music and therefore better demonstrate its intrinsic communication of emotion and ideas.

High School | Full Year

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