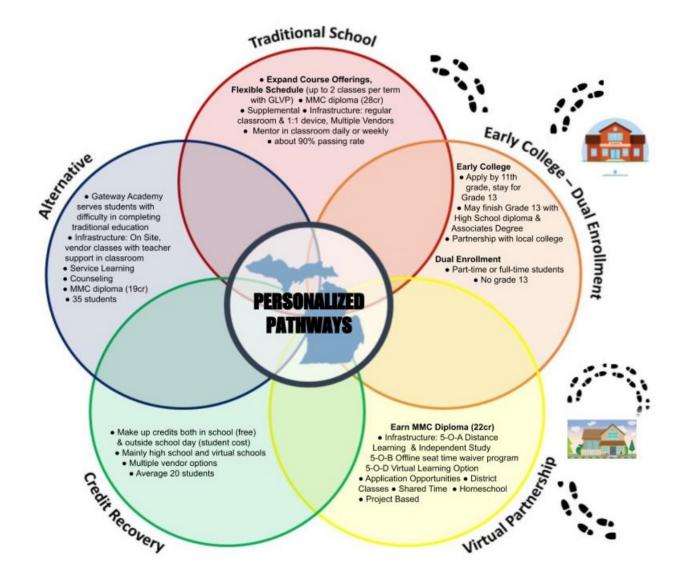


2021-2022 Gull Lake Virtual Partnership Course Catalog

Updated: October 08, 2021

Innovative Programs

Full Spectrum Overview



LEARNING AT GULL LAKE HAS NEVER BEEN SO EXCITING!

Light your mind on fire

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

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

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

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

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

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

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

LEGEND - Platform

AL ALEKS:

Assessment and LEarning in Knowledge Spaces is a Web-based assessment and learning system. ALEKS uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course. ALEKS then instructs the student on the topics he/she is most ready to learn. As a student works through a course, ALEKS periodically reassesses the student to ensure that topics learned are also retained. ALEKS courses are very complete in their topic coverage and ALEKS avoids multiple-choice questions.

ED **eDvnamic**:

eDynamic Learning is the largest publisher of Career and Technical Education (CTE) and elective courses in North America for middle and high schools. eDynamic offers schools unique and specialized digital courses for students to access an enriching, well-rounded cross-cutting skills curriculum.

EP Exact Path:

Exact Path offers a customizable learning path for Language Arts and Math for students in grades K-8. Students take a diagnostic assessment to determine their level across a variety of standards. Then, Exact Path creates a custom path of skills the student needs.

FL FunLearning:

Fun Learning Company provides a variety of hands-on STEAM classes for students ranging from grades K-12 in several formats. Our platform is self-contained, easy to navigate, and, most of all, fun! In addition to more traditional videos, articles, and quizzes, we utilize interactive videos to help students focus on main points during each lesson and skip through optional material they already understand, as well as assessments built into puzzles and games.

GL GLOBE:

GLOBE offers an online learning environment where teachers can create original content for a variety of classes. GLVP classes in GLOBE have been written by our own highly qualified teaching staff, specifically for our students.

LI Lincoln:

Lincoln Empowered course provides students with proven, standards-based instruction that encourages excitement and creativity. Gull Lake offers Lincoln courses in grades K-5. Many of these courses will come with a course supply kit to assist the parent learning coach with extensions of learning at home, to support the online coursework.

MF MusicFirst:

MusicFirst Classroom is a comprehensive learning management system (LMS) for 6-12 music education. It combines learning management software with engaging content and powerful integrated software to help educators monitor student progress, make lesson plans, and create assignments.

MV Michigan Virtual:

Michigan Virtual offers a variety of courses at the middle school and high school levels. They emphasize quality and comprehension in their courses. Michigan Virtual courses can be selected in trimester format for the traditional building students, in addition to the semester format offerings. MV utilizes a student learning portal that works with the Blackboard online learning management system.

TW Time4Writing:

Time4Writing is an online program that can supplement a school's writing curriculum needs in writing mechanics, paragraph writing, essay writing, and more.

Course Description Explanation

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

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

essential.

and their concurrent.

Full-time

Students:

Project-Based: Project-Based Learning will be reintroduced as another tool in the growing number of delivery models. Projects are

chosen by learners with ongoing dialogue, guidance, and collaboration with the teacher. All projects will share certain characteristics and features including a driving question that requires critical thinking, problem-solving skills, and overall 'active' learning initiated by students. There is not a GLOBE course but may include virtual resources and communications. There is a weekly two-way communication with your mentor about the progress of the project.

communications. There is a weekly two-way communication with your mentor about the progress of the project.

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

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

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

Withdrawals: Any course withdrawals after Count Day each semester will result in a Withdraw (no credit) being noted on the Gull Lake transcript. Unless the student is withdrawing from Gull Lake Community Schools altogether, no course

withdrawals will be allowed beyond the fourteenth week of the course unless there are documented extenuating

circumstances approved by staff.

Grading: All courses from GLVP will result in credit/no credit (pass/fail) on their Gull Lake transcript. All other vendor courses

will result in a letter grade unless otherwise noted in the course syllabus.

Dual enrollment provides students in grades 9-12 the opportunity to take college courses as part of their schedule, with tuition support from Gull Lake. Local partners include Kalamazoo Valley Community College, Kellogg Community College, and Western Michigan University. Other post-secondary institutions may be available if approved by Gull

College, and Western Michigan University. Other post-secondary institutions may be available if approved by Gull Lake. It is important to have students work through their Gull Lake college advisors to ensure they are completing the steps appropriately and in a timely manner to be eligible for dual enrollment opportunities. Part-time students have a limit of three college courses per semester. Part-time students may not take more classes in the second semester than they had in the first semester. Full-time students (including Early College students) may take a maximum of five college courses per semester, depending on the student's educational development plan and approval of Gull Lake advisors. For a complete list of dual enrollment rules, see the dual enrollment contract. All students participating in dual enrollment and/or early college must continue to have a concurrent Gull Lake course every semester. Full time

could also be a dual-enrolled college student with 10 credits and their concurrent.

AP: All courses designated as AP (Advanced Placement) are College Board approved. This means colleges may grant

placement and course credit to students who obtain qualifying scores on the AP examination(s).

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

Eligibility Center.

MMC: All courses designated as MMC (Michigan Merit Curriculum) meet content expectations required by the State of

Michigan for public high school graduation requirements. **Required courses for diploma-seeking students.

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

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

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





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

Applied Technology/Exploring our World	Business/Career Readiness	Business/Career Readiness		
Exit 85 Ventures Fun Learning Company	Other individual district approved certified teachers and community experts			
Other individual district approved certified teachers and community experts				
Fine & Performing Arts	Physical Education & Health			
Battle Creek Youth Orchestra Burghart Music Studio Community Music School-Battle Creek Community Music School-Hastings Design Street Dickerson Music Company EastEnd Studio and Gallery Firehouse Guitars Guitar Center March Music Studio Red Clay Pottery 360 Dance Company Traci Phelps Studios String Talent Education Program Stephen Williams' Music & Dance Service Tahmoures Tabatabaei Shokrabi Suzuki Academy of Kalamazoo Tanner Music Studio West Michigan-HFA Other individual district approved certified teachers and community experts	All That Athletics Anderson Institute Battleground Skatehouse Bittersweet Ski Branch Gymnastics Brooks Building-Archery Chung's Black Belt Climb Kalamazoo CrossFit AZO Dan Bulley Soccer School EastFork Farms Everett Henes Taekwondo Gymnastics In Motion Marshall Recreation Department Model Farm Stables Nottawa Paint Horse Pine Meadow Farms Richland Lanes Sabumnim Martial Arts Sherman Lake YMCA	Teetor Equestrian Tri-Blade Fencing Academy US Martial Arts West Hills Athletic Club Other individual district approved certified teachers and community experts		
Foreign Languages	Elective Sciences	1		
Other individual district approved certified teachers and community experts	Other individual district approved certified teachers and community experts			
Humanities	•			
Other individual district approved certified te	achers and community experts			

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Elementary

Essential Virtual Course Descriptions

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English	Language	Arts 1	1 A	- LI	

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

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 1A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

English Language Arts 1B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 1B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

English Language Arts 2A - LI |

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

English Language Arts 2A - EP Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.
Elementary Essential First Semester Platform: Exact Path
English Language Arts 2B - LI Reading, writing, spelling, speaking, and listening are the central concepts covered in Lincoln Empowered English Language Arts 2. This year, students begin to transition from learning to read to reading to learn. In this course, students continue to develop their phonemic awareness by learning to recognize word families, word origins, and irregularly spelled words. They also begin to use linking words to connect opinions and reasons and temporal words to signal the order of events. While reading, students work to distinguish fact from opinion, decipher an author's purpose, and identify the main topic of a multi-paragraph text. Students sample multiple genres of literature, including fiction, nonfiction, poetry, folk tales, and fables, while exploring story elements such as plot, setting, characterization, and the author's point of view. They also learn to distinguish between the main idea and the theme of a story. Students develop their writing skills by composing narrative, argumentative, and informative essays, as well as creative writing pieces. Additionally, they practice their research skills by finding facts in multiple sources and using them to produce a report. Students use a dictionary to reinforce phonetic punctuation and spelling and to identify words with multiple meanings. This course includes a printed Parent Teacher Guide that will help you support your student's learning.
Elementary Essential Second Semester Platform: Lincoln
English Language Arts 2B - EP Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 2nd grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral. Elementary Essential Second Semester Platform: Exact Path
English Language Arts 3A - L1
English Language Arts 3A - EP

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

Elementary | Essential | First Semester | Platform: Exact Path

English	Language	Arts 3B	- I.I	ييرا

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

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 3B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

English Language Arts 4A - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 4A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

English	Language	Arts 4B	- LI	يط

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

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 4B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

English Language Arts 5A - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts 5A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

English	Language	Arts 5B	- LI	يدا

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

Elementary | Essential | Second Semester | Platform: Lincoln

English Language Arts 5B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

English Language Arts KA - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

English Language Arts KA - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

English Language Arts KB - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

English Lan	guage	Arts I	(B - LI	پيرı

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math 1A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Math 1A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

Math 1B - LI |

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math 1B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

Math	2.4	- I.I	[]	\Box
Man	44	- 1	LIA	

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

Elementary | Essential | First Semester | Platform: Lincoln

Math 2A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

Math 2B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math 2B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

Math 3A - LI

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

Math	34	- EP	
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Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 3rd grade students in a full range of common core standards in mathematics. Not available for student sign up without teacher/advisor referral.

Elementary | Essential | First Semester | Platform: Exact Path

Math 3B - LI |

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math 3B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

Math 4A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Math 4A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

Math 4B - LI |

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

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

Elementary | Essential | Second Semester | Platform: Exact Path

Math 5A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Math 5A - EP |

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

Elementary | Essential | First Semester | Platform: Exact Path

Math 5B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math 5B - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

Math KA - LI |

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

Math KA - EP

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

Elementary | Essential | First Semester | Platform: Exact Path

Math KB - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Math KB - EP |

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

Elementary | Essential | Second Semester | Platform: Exact Path

Science 1A - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

Science 1B - LI

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

Scienc	e 2A	- LI	يطا

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

Elementary | Essential | First Semester | Platform: Lincoln

Science 2B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Science 3A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Science 3B - LI |

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

Science 4A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Science 4B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Science 5A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Science 5B - LI |

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

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Science	KA	- L.I	

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

Elementary | Essential | First Semester | Platform: Lincoln

Science KB - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 1A - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 1B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 2A - LI |

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

Social	Studies	2D	TT	
Social	Studies	4B -	LI	=

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 3A - LI

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

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 3B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 4A - LI |

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

Social Studies 4B - LI

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies 5A - LI |

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

Elementary | Essential | First Semester | Platform: Lincoln

Social Studies 5B - LI |

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

Elementary | Essential | Second Semester | Platform: Lincoln

Social Studies KA - LI |

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

Social Studies KB - LI |

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

Elementary | Essential | Second Semester | Platform: Lincoln

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Elementary

Non-Essential Virtual Course Descriptions

Building Beyond Legos Elementary - FL |

Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including creating chain reactions and their own mini Rube Goldberg Machine. We will also use Legos to build a variety of bridges + simple machines, and even touch on pneumatics and hydraulics as we build machines powered by air pressure! Skills acquired include logic and problem solving, troubleshooting, following instruction, imitating conceptual ideas, and creative design. At the end of the course students keep their own set of Flexo, a copy of Lego Chain Reactions (with build components), and Lego tape, plus receiver tape to continue designing and creating without limits! This virtual course delivers engaging video demonstrations, assignments, fun activities and quizzes. Grades 4-5.

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

Electronics I Elementary - FL |

Students who are self-driven, independent learners, can take this course to follow along with online videos while learning about the basics of electrical components and circuits as well as how hardware and software interact with some simple programming. Students will have fun making lots of cool hands-on projects while following along with the online instructional videos! We will start out looking at the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Students will continue exploring electronics projects and reinforcing the electronics principles and topics already covered with the KiwiCo Electronics Pack, which includes: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. We'll conclude by learning more about how electricity flows and how various sensors work as we add in the Snap Circuits Pro kit to create even larger projects! This virtual course offers engaging lessons, resources, quizzes and fun activities. Grade 5 only.

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

Electronics Intro to - Elementary - FL |

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

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

Experiencing Arts and Technology Elementary - GL |

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

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

Reverse Engineering Elementary - GL |

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

Robotics I Elementary - FL |



Students will learn to build and program robots using a Lego EV3 Robotics Kit. This will include use and programming of various sensors -- color, touch, gyro, and ultrasonic sensors, as well as building several large projects such as a color sorter, a turtle, and a robotic crane. Projects can be done by following along with our online videos. Please keep in mind that these kits are on loan, but if your child sticks with the class for the entire year, they can keep the kit to continue learning. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grade 5.

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

Robotics II Elementary - FL |



Take your EV3 set to the next level! Get all the pieces you need to complete the home edition set - including an infrared sensor + remote, a ball launcher, and rubber treads. This gives you access to 15 new builds from the Lego site, some of which we'll go through in class videos. Additionally, you'll learn to program the IR sensor + remote, go into arrays, messaging, and file reading/writing, etc. We'll also cover more complex building techniques using attachments and gearing. A few of this year's projects are a scorpion, an "electric" guitar, and whack-a-mole game. This virtual course has online lessons, resources, quizzes and fun activities. Prerequisite: Robotics I. Grade 5.

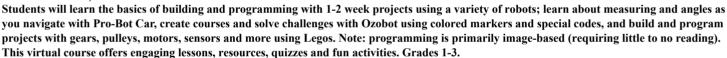
Elementary | Non-Essential | Full Year | Platform: FunLearning

Robotics Intro to - Elementary - FL |

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

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

Robotics Jr. - FL | 🚳



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

Tinkering - FL | 🕉

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

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

Tinkering Jr FL	1 ∞
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This class will have a series of hands-on projects for kids to create, covering a variety of engineering concepts from building a rocket launcher to learning the science behind magic (examples of previous crates). Crates vary from year to year and students may take the course for two years in a row. The first week's video will introduce a new crate and briefly discuss related concepts. Students will follow along, completing their projects with the online videos. There will be discussion questions and related videos/articles for each topic. The second week students will finish the project(s), make modifications/improvements, and work on additional projects. There may be some extra materials required for these additional projects, which will be noted ahead of time (such as scissors, water, cups, etc). Most topics will be a single crate and last for two weeks but we will also incorporate some larger projects using other resources — examples of past projects have included squishy circuits, mousetrap cars, and a DC motor kit. This virtual course offers engaging lessons, resources, quizzes and fun activities. Grades 1-3.

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

Wilderness Survival and Adventuring Elementary - GL |

Students will learn the foundations of survival basics from identifying and preparing edible plants, to starting a fire, tying knots, basic first-aid, and rappelling. They will also learn to use a map and compass, track animals, and more! We'll learn about how some of these techniques started and developed over time. Opportunities will be provided to hear from experts in the field on how to safely survive outdoors. We will provide a thorough introduction to wilderness survival, while keeping in mind the age of our students. For an example of topic expectations: when learning to make rope and bow strings, students will first learn the basic principles of using synthetic fibers and peeling apart types of organic rope. Then, we'll learn to forage for, harvest, and prepare the correct plants and use the most basic (and quickest) method to produce a short cord. This virtual course delivers engaging assignments, fun activities, and quizzes. Grades 1-5.

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

Cursive Handwriting Elementary - LI |

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

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

The Sounds and Shapes of Letters and Words - GL |

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

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

Time4Writing Elementary - TW |

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

Elementary | Non-Essential | First and/or Second Semester | Platform: Time4Writting

3D Art and Artists Elementary - GL |

Students will be introduced to a variety of three-dimensional techniques and artists that will build their artistic knowledge and expose students to new topics such as: clay, sculpture, glass art, recycled art and more! This course delivers fresh and engaging virtual content, assignments and quizzes.

Applied Art 3-5 - GL |

This course will explore the elements of art and principles of design appropriate for the upper elementary art student. We will explore artwork that spans two and three dimensions, and a variety of mediums that reflect these fundamentals. Through engaging with these concepts, students will strengthen their art vocabulary and learn how to look at art like a pro!

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

Applied Art K-2 - GL | 🛇

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

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

Around the World with Art - GL | 🏵

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

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

Art Appreciation Elementary - GL | 🏵

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

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

Learning Actively in Crafts - GL | 🛇

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

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

Let's Make Art Elementary - GL | 🛇

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

Let's Paint Elementary - GL | 🛇

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

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

Art and Methods of Dance Elementary - GL |

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

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

Dancing from A-Z Elementary - GL |

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

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

The Art of Dance Elementary - GL |

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

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

CANCELLED-Music - World Drumming - GL |

We will play music from Western Africa and the Carribean, rehearsed in the traditional aural style. You will learn drumming and small percussion techniques, as well as rhythmic notation and improvisation styles. Playing in an ensemble like a drum circle also builds life skills such as communication, listening, teamwork, discipline, and respect for others. We will end each semester with a community performance. No previous musical experience is necessary. Grades 3-5.

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

Choir - Elementary - GL |

Students will learn to sing together as a choir, male and female voices. They will learn how to use the vocal instrument and learn 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 with engaging lessons on reading music on the musical staff, beginning music theory, vocal pedagogy, and ear training. Virtual assignments may also include an overview of music history. It is encouraged that all students participate in both winter and spring recitals as a choir (COVID regulations permitting). Grades 2nd-5th.

Music Applied 3-5 - GL |

This course is designed for the elementary student, grades 3rd-5th, to personalize their introduction to music by focusing on a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that expands their theoretical and practical music knowledge. Virtual assignments include exciting listening reflections, general music knowledge for their instrument or voice, and activities enhancing independent musical abilities such as musical staff review, beginning music theory, rhythm and melody exercises, expression, and some simple music history. Virtual assignments may also include introduction to the instruments of the band, orchestra, and voice types. Virtual Content is appropriate for grades 3rd-5th.

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

Music Beginnings K-2 - GL |

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

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

Music Explorations Elementary - GL |

This course is designed for the elementary student looking to explore their personalized study of music by focusing more in depth on a specific instrument or voice, or choosing a second instrument to explore. 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 instrument(s) or voice on basic music theory, activities enhancing independent musical abilities such as musical staff review, rhythm and melody exercises, expression, and some extended music history. Virtual assignments may also include introduction to the instruments of the band, orchestra, and voice types. A final portfolio project should be performed for your teacher or an audience. Each student is expected to dedicate practice time to developing their musical skills under the supervision of their teacher and regular practice at home. Virtual Content will be appropriate for grades K-5, but more geared toward 3rd-5th because of the advanced nature of the course.

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

Music for Ensembles 3-5 - GL | 🛇

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

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

Music for Ensembles K-2 - GL |

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

CANCELLED-Fables, Myths, and Fairy Tales - GL |

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

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

CANCELLED-Life on the Prairie - GL |

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

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

Jr. Kidlit - GL |

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

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

Fencing Elementary - GL |

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

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

Muscle and Movement K-2 - GL |

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

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

Muscles and Movement 3-5 - GL | 🍄

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

Personal	Wellness 3-5 - GL	ı 🍳
1 CI SUHAI	Welliness 3-3 - GL	

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

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

Personal Wellness K-2 - GL |

This early elementary course introduces current topics in health, nutrition, physical activity and wellness in a child's life. Students will learn how their choices affect a healthy lifestyle. Some topics include basic nutrition, anatomy, fitness and stress management. This virtual course delivers engaging lessons, assignments, and fun activities.

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

Physical Education- Elem. - LI

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

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

Sports and Fitness 3-5 - GL

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

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

Sports and Fitness K-2 - GL |

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

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

Michigan Woods, Water, and Wildlife Elementary - GL \mid \bigcirc

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

Ocean in Motion - GL |

This course will be an interactive study of the oceans, ocean weather patterns, zones, mysterious features and abundant living creatures. Students will learn about ocean salt water, the water cycle, ocean zones, climate zones, ocean food webs/chains, and the many creatures that live in the ocean. Other ocean topics include the continental shelf, the sunlit zone, continental slope, the twilight and midnight zones and the bioluminescent creatures that live there. In addition, we will learn about the abyss at the bottom of the ocean where we will encounter marine snow, blind crabs, vent bacteria and tubeworms. This virtual course delivers video lessons, quizzes, and additional unassigned resources. Grades 1-5.

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

Survey in Nature II Elementary - GL |

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

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

Wild and Woolly - GL |

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

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

Art and Culture through American Girls I Elementary - GL |

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

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

Art and Culture through American Girls II Elementary - GL |

This class will explore a variety of cultures and crafts from around America. We will learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the native American lands of Northwest America. Examples of projects include weaving, quilting, and leatherwork as well as learning songs and games from different cultures. We will study the dolls in chronological order beginning with Kaya and the Nez Perce tribe through Julia the cool, groovy doll of the 1970s. This class has a three-year cycle. There are no prerequisites, and each class can be taken independently depending on the student's interests. We will bring stories to life to enrich the students learning through drama activities, American Girl book series will be available for students to read. This virtual class offers engaging, activities and assignments.

Art and Culture through American Girls III Elementary - GL |



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

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

CANCELLED-Celebrate America - GL |

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

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

Crafts and Cooking from Cultures Around the World - GL |

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

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

World Connections - FL | 🏵

Through the use of interactive technology, art, stories, crafts, cooking and other hands-on activities included in Kiwico's Atlas Crate students will be able to experience a typical day in the life of people from other countries around the world. We will examine differences and similarities to our own way of life, and discuss the variety among people of a single nation. Students will immerse themselves in the culture and customs of various countries learning about the geography, history, customs, beliefs, festivals, music and local cuisine. Grades 1-5

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

CANCELLED-American Sign Language Beginner Elementary - GL |

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

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

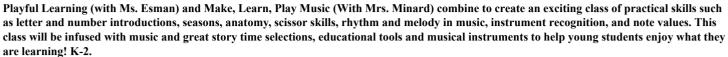
CANCELLED-American Sign Language Intermediate Elementary - GL |

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. Students will get individualized attention for sign production and receptive skills (reading the instructors signs). This virtual course delivers engaging, fun activities and quizzes.

Elementary

Project Based Course Descriptions

Creative Learning through Music and Play - PB |



Elementary | Non-Essential | Full Year | Platform: Project Based

Middle School

Essential Virtual Course Descriptions

English Language Arts 6A - MV
This is the first course in a two-course sequence. Where am I going? What will I find when I travel into the world ahead? Discovering the answers to these and many other questions will be the focus of the course. Through inquiry, self-discovery, and reflection students cultivate their reading, writing, speaking, listening and viewing skills as they experience the world of literature. Using the theme of ""A Time for Exploration,"" students will follow the steps of the writing process to communicate effectively and actively engage in the steps of the reading process. This will be accomplished via a journey through visual, oral and written texts (fiction, biography, nonfiction, mythology, poetry and folk tales). Prerequisites: 5th Grade English
Middle School Essential First or Second Semester Platform: Michigan Virtual
English Language Arts 6A - EP
Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 6th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral.

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

English Language Arts 6A - LI |

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

Middle School | Essential | First Semester | Platform: Lincoln

English Language Arts 6B - MV |

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

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

English Language Arts 6B - EP |

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

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E-H2H8H	Language	Arts ()D -	LI	4

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Middle School | Essential | Second Semester | Platform: Lincoln

English Language Arts 7A - MV |

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

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

English Language Arts 7A - EP |

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

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

English Language Arts 7A - LI |

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

Middle School | Essential | First Semester | Platform: Lincoln

English Language Arts 7B - MV |

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

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

English Language Arts 7B - EP |

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English Language Arts 8A - MV
English Language Arts 8A - EP Exact Path combines adaptive diagnostic assessments with individualized learning pathways to promote growth for 8th grade students in a full range of common core standards in language arts. Not available for student sign up without teacher/advisor referral. Middle School Essential First or Second Semester Platform: Exact Path
English Language Arts 8A - LI English Language Arts 8 introduces students to literature and informational texts. Through lessons on the literary elements, the structure of texts and the basics of grammar and composition, students apply analytical thinking skills to the works that they read. Students also delve into poetry in this course by dissecting the structure of poems, the language, and the terminology that is often affiliated with the genre. Students also apply their listening and speaking skills through presentations and projects. Middle School Essential First Semester Platform: Lincoln
English Language Arts 8B - MV — This is the second course in a two-course sequence. Who am I? How do I fit into the world? How do I make sense of these changing times? This course will answer those questions and many more! In this course, students will develop their reading, writing, speaking, listening and viewing

This is the second course in a two-course sequence. Who am 1? How do 1 fit into the world? How do 1 make sense of these changing times? This course will answer those questions and many more! In this course, students will develop their reading, writing, speaking, listening and viewing skills as they explore and enjoy a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). In addition, the course focuses on effective communication strategies that students need in order to succeed in this changing and challenging society. Students will explore the theme of ""The American Quest: Past, Present and Future"" while developing reading, writing, speaking, listening and viewing skills through a variety of materials (novels, short stories, poetry, biographies, articles, drama, essays and media). Prerequisites: Language Arts A - 8th Grade

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

English Language Arts 8B - EP |

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

English Language Arts 8B - LI 💂

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Middle School | Essential | Second Semester | Platform: Lincoln

Mathematics 6A - MV |

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

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

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

Mathematics 6A - LI |

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

Middle School | Essential | First Semester | Platform: Lincoln

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

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Middle School | Essential | Second Semester | Platform: Lincoln

Mathematics 7A - MV |

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

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

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

Mathematics 7A - LI |

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

Middle School | Essential | First Semester | Platform: Lincoln

Mathematics 7B - MV |

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

Mathematics 7B - EP |

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Mathematics 8A - MV And the sist of the state of the st
Mathematics 8A - EP Amount of Mathematics 8A - EP Math 8 is a Pre-algebra course designed as an introductory algebra course designed to prepare junior-high school students for Algebra I. The course focuses on strengthening needed skills in problem solving, integers, equations, and graphing. Students will begin to see the ""big picture"" of mathematics and learn how numeric, algebraic, and geometric concepts are woven together to build a foundation for higher mathematical thinking. *Teacher recommendation only. Middle School Essential First or Second Semester Platform: Exact Path
Mathematics 8A - LI Amount of the Mathematics of the Mathematics of the Mathematics 8 prepares students for more difficult mathematics courses by exposing students to foundational arithmetic concepts. Students in this course examine the elements of geometry by being introduced to angles, lines, and points. Students apply this knowledge to graphs using coordinate planes and by completing calculations between two points? distances. Students also study the scientific notation, which assists them in computations and provides a framework for more difficult calculations. Middle School Essential First Semester Platform: Lincoln

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

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Mathematics	8B - LI	1

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Middle School | Essential | Second Semester | Platform: Lincoln

Science 6A - MV | 🖈 | 💻

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

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

Science 6A - LI

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

Middle School | Essential | First Semester | Platform: Lincoln

Science 6B - MV | 🖈 | 💂

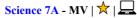
This course is the second in a two-course sequence. It introduces middle school students to the disciplines of life science, physical science, and earth-space science. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. The lessons make real-world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

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

Science 6B - LI

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Middle School | Essential | Second Semester | Platform: Lincoln



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

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

Science 7A - LI |

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

Middle School | Essential | First Semester | Platform: Lincoln

Science 7B - MV | 🖈 | 💂

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

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

Science 7B - LI

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

Middle School | Essential | Second Semester | Platform: Lincoln

Science 8A - MV | 🖈 | 💻

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

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

Science	8A	- LI	ı

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

Middle School | Essential | First Semester | Platform: Lincoln

Science 8B - MV | 🖈 | 💂

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

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

Science 8B - LI

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

Middle School | Essential | Second Semester | Platform: Lincoln

American History 8A - MV |

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

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

American History 8B - MV |

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

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

Ancient History 7A - LI Ancient History and a LI Ancient History enables students to explore the cultures of ancient civilizations throughout the world. They discover each civilization's contributions to art, music, literature, education, religion, science, technology, government, and philosophy. Students explore aspects of humanity from prehistoric to about 500 CE.
Middle School Essential First Semester Platform: Lincoln
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MS Geography 6A - LI

Middle School | Essential | First Semester | Platform: Lincoln

amount of information about people in the present and in the past.

MS Geography 6B - LI |

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

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Middle School | Essential | Second Semester | Platform: Lincoln

MS U.S. History 8A - LI |

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

 $Middle\ School\ |\ Essential\ |\ First\ Semester\ |\ Platform:\ Lincoln$

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Middle School | Essential | Second Semester | Platform: Lincoln

MS World History 6/7 A - MV |

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

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

MS World History 6/7 B - MV |

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

Middle School

Non-Essential Virtual Course Descriptions

Build and Program your own Computer I Middle - FL |

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. With the Piper Computer Kit, we will not only make fun and simple programs on computers we built, but we will also make and test our code in Minecraft! The computers we build allow us to write and edit code within Minecraft. So, in a way, students will be making and playing their own personal version of the popular video game! In the second semester, students will learn about binary numbers, Boolean Logic, and computer architecture through fun, hands-on, challenges, using the Turing Tumble. This class is meant for students with little or no experience with programming. All materials are supplied. This virtual course delivers engaging assignments, fun activities, and quizzes.

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

Build and Program Your Own Computer II Middle - FL | 🛇

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

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

Building Beyond Legos Middle - FL |

Students will go beyond ordinary Legos and learn to build creations that bend, light up, and incorporate walls/ceilings, including creating chain reactions and their own mini Rube Goldberg Machine. We will also learn more about engineering principles and build a variety of bridges + simple machines, and even delve into pneumatics and hydraulics as we build machines powered by air pressure! Skills acquired include logic and problem solving, troubleshooting, following instruction, imitating conceptual ideas, and creative design. At the end of the course students keep their own set of Flexo, a copy of Lego Chain Reactions (with build components), and Lego tape, plus receiver tape to continue designing and creating without limits! This virtual course delivers engaging video demonstrations, assignments, fun activities and quizzes.

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

Computer Basics- Google Suite - MV |

In this course you will learn how to use productivity and collaboration tools, such as G Suite by Google Cloud to create word processing documents, spreadsheets, surveys and forms such as personal budgets and invitations. Students will also learn what it means to be a good digital citizen and explore the topic of Internet safety.

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

Drone Building Middle - FL |

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

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

Electronics 1	Middle -	ET 🔲
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Students who are self-driven, independent learners, can take this course to follow along with online videos while learning about the basics of electrical components and circuits as well as how hardware and software interact with some simple programming. We will focus on independently troubleshooting circuits and practically applying the concepts we've covered to real-world situations/uses. Students will have fun making lots of cool hands-on projects while following along with the online instructional videos! We will start out looking at the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Students will continue exploring electronics projects and reinforcing the electronics principles and topics already covered with the KiwiCo Electronics Pack, which includes: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. We'll conclude by learning more about how electricity flows and how various sensors work as we add in the Snap Circuits Pro kit to create even larger projects! This virtual course offers engaging lessons, resources, quizzes and fun activities.

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

Electronics Intro to - Middle - FL |

Students will learn the fundamentals of electrical components and circuits as well as how hardware and software interact with some programming. We will have fun making lots of cool hands-on projects – some of which they can take home to keep! We will start out using the Snap Circuits Light kit with 175 projects you can build, take apart, and rebuild – like an infrared detector, a flying fan, and a strobe light. Each week will feature a different electrical component or principle, which we will discuss and/or watch a short video about; then, we'll build a circuit(s) that helps demonstrate how it functions. Then we will check out various projects from litteBits – building creations that interact with smartphones, tablets, and computers including games, driving robots, a spinning lamp and even an etch-a-sketch or computer mouse. We'll conclude by reinforcing the electronics principles and topics we've already covered through a few more take-home projects from the KiwiCo Electronics Pack: a Hand-Crank Flashlight, a Light-Up speaker, and a Geometric Laser Projector. This virtual course delivers engaging assignments, research, and quizzes. Grade 6.

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

Experiencing Arts and Technology Middle - GL |

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

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

Introduction to Computer Programming A - LI

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

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

Introduction to Computer Programming B - LI

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

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

MS Coding 1A: Introduction - ED Do you find yourself wondering how your favorite apps, websites, and games were made? Maybe you want to try building your own. Well, now you can! In Middle School Coding 1a, you will get an introduction to the basics of computer science, HTML, CSS, JavaScript, and Python. You'll leave the course with a portfolio of work you can show off. Middle School Non-Essential First Semester Platform: eDynamic
MS Coding 1B: Learning Python and Javascript - ED Let's take the coding skills you learned in the previous course to the next level! You'll expand your knowledge with Advanced Python, HTML, and JavaScript. You'll further build out your portfolio and start thinking about a career in the fast-growing IT field. Middle School Non-Essential Second Semester Platform: eDynamic
MS Digital Art and Design - ED
MS Game Design 1A: Introduction - ED
MS Game Design 1B: Creating a Game - ED

Puzzles, Games and Logic Middle - FL |

Learn strategy, logic, pattern recognition, and problem-solving through games! We will use a variety of games to build critical thinking and tactics. Games vary from year to year (this course may be taken for two years in a row). Past games include Set, Clue, Bananagrams, Catan, Mastermind, Ticket to Ride, Election Night, and more. Virtual assignments will include further puzzles and discussions related to the games we're exploring, bonus puzzles, riddles, and brain teasers, as well as reflection on which strategies work well and why. This virtual course delivers engaging, assignments, fun activities and quizzes.

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

Reverse Engineering Middle - GL |

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

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

Robotics I Middle - FL |

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

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

Robotics II Middle - FL | 🗞

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

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

Robotics Intro to - Middle - FL |

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

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

Tinkering Advanced - FL |

This course provides the opportunity for middle school students to explore their creativity in engineering and design — they'll build hands-on projects such as a wooden desk lamp, or Ukelele, from Kiwico's Eureka Crate. We will also explore concepts related to each crate, including their history the electrical/physical principals that enable each creation to function. Our online videos will include how to complete projects, as well as further discussion of related topics and real-world applications. This virtual course offers engaging lessons, resources, quizzes and fun activities.

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

Students will learn the basics of survival — from identifying and preparing edible plants, to starting a fire, tying knots, basic first-aid, and rappelling. They will also learn to use a map and compass, track animals, and more! We'll learn about how some of these techniques started and developed over time. Opportunities will be provided to hear from experts in the field on how to safely survive outdoors. We will provide a thorough introduction to wilderness survival, while keeping in mind the age of our students. For an example of topic expectations: when learning to make rope and bow strings, students will first learn the basic principles of using synthetic fibers and peeling apart types of organic rope. Then, we'll learn to forage for, harvest, and prepare types of cambium (inner tree bark), which can be used to make a cord strong enough to tow a car! Students will learn the reverse wrap method to quickly make a length of cord. This virtual course delivers engaging, assignments, fun activities and quizzes.
Middle School Non-Essential Full Year Platform: GLOBE
MS Exploring Business - ED Are you interested in business, leading people, or making decisions to help a business be successful? While there are many different career choices in the field of business, in this course, you'll discover options such as management, human resources, business operations, information management, and accounting. Explore the skills you'll need, common tasks, the technology used, and characteristics of various business careers. Middle School Non-Essential First or Second Semester Platform: eDynamic
Character Education - MV
Leadership Skills Development A - MV
Leadership Skills Development B - MV
Middle School Non-Essential First or Second Semester Platform: Michigan Virtual
MS Career Exploration 1: Charting Your Path - ED How do you pick a career path when you?re not sure what's even out there? This course allows you to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more! You'll align your interests, wants, and needs to career possibilities,

Wilderness Survival and Adventuring Middle - GL | $\ensuremath{\bigotimes}$

including the required education for each. Let's find a pathway that works for you.

Middle School | Non-Essential | First Semester | Platform: eDynamic

MS Career Exploration 2 - ED Imagine that it's 20 years from now. What career do you see yourself in? What do you imagine that you'll be doing? In this course, you'll explore more careers and what it takes to succeed in different fields. You'll learn more about what steps are needed to prepare for your career and how to compare the pros and cons of different career choices to find one that's best for you.
Middle School Non-Essential Second Semester Platform: eDynamic
MS Exploring Health Science - ED
MS Exploring Information Technology - ED
MS Journalism: Tell Your Story - ED Are you someone who likes to write to get the story straight? Skilled journalists know how to find key facts and write them up in a way that makes it easy for others to read. In this course, you'll learn how to ask the right questions, how to gather information effectively, organize ideas, format stories, and edit your articles. Get ready to break that news! Middle School Non-Essential First or Second Semester Platform: eDynamic
MS Learning in a Digital World: Digital Citizenship - ED
Cursive Handwriting Middle - LI

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

Middle School | Non-Essential | First and/or Second Semester | Platform: Time4Writting

3D Art and Artists Middle - GL | 🏵

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

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

Applied Art Middle - GL | 🏵

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

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

Art Appreciation Middle - GL |

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

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

CANCELLED-American Art Middle - GL | 🏵

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

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

CANCELLED-Let's Make Art Middle - GL |

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

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

Confectionery Ar	t - GL	OCC
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In the eighteenth century, the confectioner's craft became elevated to an artistic standing. Today, anyone can enjoy experimenting with this craft and the art it creates. This virtual class will teach the basics of creating a broad spectrum of confectionery art. Our mediums will be rolled fondant, gum paste, a variety of icing types, sprinkles, colored sugars, coloring, and powders, just to name a few. This virtual class will teach beginning techniques and introduce tools to creating art of this form. This virtual course delivers engaging assignments, fun activities, and quizzes.

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

Let's Paint Middle - GL | 🗞

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

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

MS Photography 1A: Introduction - ED |

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

Middle School | Non-Essential | First Semester | Platform: eDynamic

MS Photography 1B: Drawing with Light - ED |

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

Middle School | Non-Essential | Second Semester | Platform: eDynamic

Art and Methods of Dance Middle - GL | 🍄

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

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

Dancing from A-Z Middle - GL | 🍄

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

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

The Art of Dance Middle - GL $\mid \Theta$ In this course, students will learn the fundamentals about a variety of dances from around the world. In this course, students will also learn about the region of the dance. Basic geography, food, and culture for each region will be included. Students will be challenged to discern which dance(s) helped create the dance form they are studying. This virtual course delivers lessons, assignments, research and quizzes.
Middle School Non-Essential Full Year Platform: GLOBE
Choir - Middle - GL 🛠
Students will learn to sing together as a choir, male and female voices. They will learn how to use the vocal instrument and learn 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 with engaging

lessons on reading music on the musical staff, beginning music theory, vocal pedagogy, and ear training. Virtual assignments may also include an overview of music history. It is encouraged that all students participate in both winter and spring recitals as a choir (COVID regulations permitting). Grades 6th-8th.

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

Middle School Guitar 1A - MV

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

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

Middle School Guitar 1B - MV

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

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

MS Exploring Music - ED |

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

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

Music 6 - LI

In Music 6, students express ideas and creativity through music. Students apply music terminology to different instrument groups and learn to read music. Additionally, students discuss different forms of music and popular songs within Western and worldwide music.

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

Music	7 - LI	

In Music 7, students explore the history, development, and attributes of American music. They will learn music theory and music reading skills, which are presented and reinforced within the context of historical musical works. Students interpret sheet music that represents various genres of American music. Additionally, students practice performing music vocally and with a pitched instrument.

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

Music 8 - LI

In Music 8, students are introduced to a variety of music genres and instruments. They explore the concepts of rhythm, melody, timbre, texture, dynamics, form, and rhythm, and they learn to sight read music. Students listen to various examples of songs to interpret performances, and they compose and perform their own song.

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

Music Applied Level 1 Middle - MF | 🍄

This interactive virtual course is designed for a middle school student to personalize their study of music by focusing on exploring a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that lays the groundwork for theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, basic music terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Applied Level 2 Middle - MF | 🏻

This interactive virtual course is designed for a continuing middle school student to personalize their study of music by focusing on exploring a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that lays the groundwork for theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, music theory, terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Applied Level 3 Middle - MF |

This interactive virtual course is designed for the progressing middle school student to personalize their study of music by focusing on exploring a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that lays the groundwork for theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, more advanced scales, sight reading, ear training, music theory, terms, concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Explorations Level 1 Middle - MF |

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

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

Music Explorations Level 2 Middle - MF |

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

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

Music Explorations Level 3 Middle - MF |

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

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

CANCELLED-Basketball Basics - GL |

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

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

Fencing Middle - GL |

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

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

Middle School Health - LI

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

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

MS Fitness - ED |

What does being fit mean to you? It's more than just a number on a scale, and this course will help you understand the basics behind what it means to be physically fit. Learn how your body functions; learn the complex science behind exercise; explore what it means to be mindful and what inspires you, and determine how you can test your current level of fitness.

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

MS	Nutrition	and	Personal	Fitness -	- LI I	Щ

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

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

Muscles and Movement Middle - GL |

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

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

Personal Wellness Middle - GL |

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

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

Physical Education 6 - LI

Physical Education 6 provides a complete physical education experience, allowing students to learn the basics of living a healthy life and the benefits of being active as often as possible. Students begin by learning about the 36 hours of organized, supervised physical activity required for the course. They also learn how to document their activity within a PE Log. Next, students move into the content, studying topics ranging from health, nutrition, journaling, and safety to new, fun, and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Adaptive physical education activities are available for this course.

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

Physical Education 7 - LI

Physical Education 7 offers a comprehensive physical education course for students to assist them in creating a healthy lifestyle and living active life. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. Students can also track their activity by using a Movband, which is a physical fitness step tracker. Students then move through the course content, which ranges from topics about healthy living and eating to a variety of fun and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. This expectation helps them to create a routine-like schedule. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

ы	Education			
Physical	Education	8 -	LH	=

Physical Education 8 offers a complete physical education experience for students, helping them learn about and implement healthy habits. Whether it is with nutrition, exercise, or general life choices, students are educated on the multiple facets of creating a healthy lifestyle. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. Students can also track their activity by using a Moveband fitness tracker. Next, students begin to work through the course content, which ranges from topics about the F.I.T.T. principle and other physical fitness components to various fun and challenging activities and exercise techniques. Before attempting each activity, students receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

Sports and Fitness Middle - GL |

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

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

Michigan Woods, Water, and Wildlife Middle - GL |

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

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

Middle School Earth and Space Science A - LI

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

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

Middle School Earth and Space Science B - LI

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

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

Middle	School	Life	Science	A -	LH	
MIIMUIC	SCHOOL	LIIC	Science			_

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

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

Middle School Life Science B - LI |

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

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

Middle School Physical Science A - LI

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

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

Middle School Physical Science B - LI |

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

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

Survey in Nature II Middle - GL |

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

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

Art and Culture through American Girls I Middle - GL | 🏵

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

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

Art and Culture through American Girls III Middle - GL |

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

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

CANCELLED-Art and Culture through American Girls II Middle - GL |

This course will explore a variety of cultures and crafts from across America. We will use the Beforever American Doll series to learn and discover culture and art from different time periods and different areas of our country like Colonial Williamsburg, the Hawaiian Islands, and the Native American lands of Northwest America. Some projects include weaving, quilting, and beadwork as well as learning songs and games from different cultures/tribes. Students will learn about food, attire, and significant events within each time/place (Lewis and Clark Expedition, Revolutionary War, Sante Fe Trail, immigrating to America, the Great Depression, and Women's Suffrage, etc). In American Girl II we will study Addy and her life in the 1860's, Samantha and her life in the 1900's, Rebecca and her life in the 1910's, and Kit and her life in the 1930's. Students will be given either reading or research projects for each doll. This course has a three-year cycle. There are no prerequisites, and each course can be taken independently depending on the student's interests. This virtual course offers engaging activities and assignments.

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

CANCELLED-American Sign Language Beginner Middle - GL | 🗞

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

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

CANCELLED-American Sign Language Intermediate Middle - GL | \bigotimes

Demonstrate an understanding of grammar rules in American Sign Language through writing and communicating. Begin to explore basic concepts in interpreting and gain knowledge of the interpreting field. Interact with interpreters and members of the Deaf community in order to build receptive and expressive skills. Discuss regional differences in ASL as well as other countries and their sign language. Demonstrate knowledge of ASL history and development. This class is considered prep for taking a foreign language credit in high school. ASL Beginner and teacher approval required.

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

CANCELLED-Exploratory French I Middle - GL |

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

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

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

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

Exploratory Spanish I Middle - GL |

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

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

MS French 1A - MV |

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

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

MS French 1B - MV |

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

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

MS French 2A - MV

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

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

MS French 2B - MV |

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

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

MS German	1A - M	$\mathbf{v}_{\parallel} \mathbf{\square}$
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This course is the first in a two-course sequence. Students begin their introduction to German by focusing on the four key areas of listening, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

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

MS German 1B - MV |

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

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

MS German 2A - MV |

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

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

MS German 2B - MV |

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

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

MS Spanish 1A - MV |

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

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

MS Spanish 1B - MV |

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

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

MS	Spanis	h 2A	- MV	ı
TITLE	Duning		141 4	

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

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

MS Spanish 2B - MV |

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

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

Middle School

Project Based Course Descriptions

CANCELLED-Lettering and Modern Calligraphy - PB |

In this project based course, students will develop their handwriting skills by learning the basics of hand lettering and will develop an artful writing style that is 100% their own. Students will learn the various skills and strategies for many different types of hand lettering and modern calligraphy. Students will complete the course with a beautiful book of their own with examples of their own handwriting.

Middle School | Non-Essential | Full Year | Platform: Project Based

CANCELLED-Page Turners - PB |



In this project based course, students will meet weekly to read and analyze a previously chosen book. Through small-group and whole-group discussions, students will discuss and analyze characters, setting, plot, and other literary devices. This will be a time for students to share their reactions and consider others' responses and opinions in a comfortable atmosphere. Come along and join the fun of reading and sharing with friends.

Middle School | Non-Essential | Full Year | Platform: Project Based

High School

Essential Virtual Course Descriptions

American 1	Literature	11A -	LI	\Box
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In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar. In the credit recovery instance of this course, pre- and post-tests measure student mastery at the learning objective level. Students are excused from credit recovery course content based on the results of the topical pre-tests, which allows them to focus on the content they've not yet mastered.

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

American Literature 11B - LI |

In American Literature, students explore various cultural periods of American literature. They examine numerous aspects of Romanticism, literature from multiple historical eras of the United States, and contributions made by significant American leaders. In addition to discovering multiple genres and investigating numerous periods of writing, students also explore the basics of literature, writing, and grammar. In the credit recovery instance of this course, pre- and post-tests measure student mastery at the learning objective level. Students are excused from credit recovery course content based on the results of the topical pre-tests, which allows them to focus on the content they've not yet mastered.

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

British Literature 12A - LI |

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

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

British Literature 12B - LI |

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

English 10A - MV |

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

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

English 10B - MV |

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

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

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English	HA	American	LIU)	- IVI V	프

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

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

English 11B (American Lit) - MV |

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

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

English 12A (British Lit) - MV |

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

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

English 12B (British Lit) - MV |

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

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

English 9A - MV |

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

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

English 9B - MV
High School Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
English Language Arts 10A - LI

plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature. ELA 10A topics include word meaning/sources, analyzing different mediums, reading for meaning, and character relationships.

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

English Language Arts 10B - LI |

In English Language Arts 10B, students focus on literature, grammar, and composition. They examine the different elements of a story, including plot, setting, character, narrator, and voice. Throughout the course, students also study various parts of speech, readings, and poetry. English Language Arts 10 presents students with many different types and styles of writing in order to provide a thorough examination of language and literature. ELA 10B topics include utilizing evidence, informative writing, grammar in writing, and arguments.

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

English Language Arts 9A - LI |

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements, such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

English Language Arts 9B - LI

English Language Arts 9 introduces students to elements of literature from classic to modern times using the genres of fiction and nonfiction. Through reading and the study of literary elements, such as plot and setting, character, narrator and voice, tone and mood, and symbolism and irony, students develop skills in literary analysis and interpretation. Students also examine form, style, and persuasion within nonfiction works. In this course, students strengthen their vocabulary, grammar, and mechanics. They also focus on the stages of the writing process.

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Algebra 1A - MV |

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

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

Algebra 1B - MV

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

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

Algebra 2A - MV |

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

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

Algebra 2B - MV |

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

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

Algebra IA - LI

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

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

Algebra IB - LI

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Algebra IIA - LI |

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

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

Algebra IIB - LI | 💂

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Geometry A - MV Geometry is a high school math course for the student who has successfully completed the prerequisite course, Algebra I. The course focuses on the skills and methods of linear, quadratic, coordinate, and plane geometry. In it, students will gain solid experience with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction.
High School Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Geometry A - LI
In Geometry, students begin to create a solid foundation in mathematics by studying and exploring a wide range of geometric concepts. Students study the basics of geometric equations and how these equations are present in daily life. They calculate perimeter and work directly with angles and arcs to evaluate the importance of geometric math in construction.

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

Geometry B - MV |

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

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

Geometry B - LI

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Biology A - MV |

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

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

Biology A - LI |

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

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

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Biology	B - MV	

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

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

Biology B - LI |

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Chemistry A - MV |

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

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

Chemistry A - LI |

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

High School | Essential | First Semester | MMC | NCAA | Platform: Lincoln

Chemistry B - MV |

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

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

Chemistry	B - LI	

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

Physics A - MV |

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

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

Physics A - LI |

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

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

Physics B - MV |

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

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

Physics B - LI |

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

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

Civics - MV
Civics and Government A - LI
High School Essential First or Second Semester MMC NCAA Platform: Lincoln
Civics and Government B - LI
Economics - MV
Economics - LI Economics presents basic economic theory to students. They explore the ways in which the economy effects everyday life. Students examine basic economic concepts such as scarcity, opportunity cost, efficiency, and trade-offs as well as the factors of production. Students will compare the free market system to other economic systems. This course serves as an introduction and overview of economics. Recommended to take in 12th grade

market system to other economic systems. This course serves as an introduction and overview of economics. Recommended to take in 12th grade.

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

U.S.	History	A -	LI	

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

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

U.S. History B - LI |

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

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

US History and Geography A - MV |

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

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

US History and Geography B - MV |

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

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

World History A - LI

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

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

World 1	History a	nd Geogr	aphy A -	$MV \mid \square$

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

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

World History and Geography B - MV |

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

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

World History B - LI

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

High School | Essential | Second Semester | MMC | NCAA | Platform: Lincoln

High School

Non-Essential Virtual Course Descriptions

Adulting 101 - GL	Ц
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This course will focus on life skills that every young person needs to be independent, including personal finance, basic mechanical skills, personal care, communication, first aid, and more. Students will learn to problem solve and personally advocate for themselves. They will complete virtual projects after conducting real world scenarios of various skills. This virtual course delivers engaging assignments, fun activities, and quizzes.

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

Advanced Programming: Mobile Apps and Game Design - MV |

This Advanced Programming: Mobile Apps and Game Design course is a highly project based course designed for high school students with some programming background before attempting this advanced level course. Students taking this course will learn to strategize, design, and develop games, as well as, mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course also exposes students to privacy, legality, and security considerations with regards to the software industry.

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

Advanced Web Design: Java Script - MV | 💂

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

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

Animation 1A: Introduction - ED |

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

High School | Non-Essential | First Semester | MMC | Platform: eDynamic

AP Computer Science A - MV |

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

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

AP Computer Science B - MV |

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

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

World	History	B - MV	ı
	World	World History	World History B - MV

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

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

Applied Engineering 1A: Introduction - ED |

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

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

Applied Engineering 1B: Solving Problems Together - ED |

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

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

Basic Web Design: HTML and CSS - MV |

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

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

CANCELLED-Build and Program Your Own Computer II High - FL |

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

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

Coding 1A: Introduction to Programming - ED
High School Non-Essential First Semester MMC Platform: eDynamic
Coding 1B: Programming - ED Let's continue to cultivate an understanding of programming languages and expand on website development. You will learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing. High School Non-Essential Second Semester MMC Platform: eDynamic
Concepts of Engineering & Technology - ED Learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. Explore the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. By examining astounding engineering feats and complex ongoing issues, you'll begin to question whether the word impossible really exists. High School Non-Essential First or Second Semester Platform: eDynamic
Cybersecurity 1A: Foundations - ED
Cybersecurity 1B: Defense Against Threats - ED Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyberattacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. Cybersecurity will play an increasingly larger role in our personal and professional lives in the years to come. High School Non-Essential Second Semester MMC Platform: eDynamic
Digital Information Technology A - MV Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your strengths and how they relate to different career paths. IT Careers & Microsoft Office.com

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

Digital Information Technology B - MV Dive into an exciting course that will provide you with the foundational skills needed for exciting careers like game development, military defense, web design, and software engineering! You will explore Microsoft Office online applications, web design, emerging technologies, operating systems, project management, communication methods, Information Technology careers, and much more in this course. Learn about your strengths and how they relate to different career paths. Office.com and Intro to Web Design
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Digital Media Fundamentals 1A: Introduction - ED Discover your talent for building digital media applications using text, graphics, animations, sounds, videos, and more! Learn about the elements that make impressive media, such as typography, color theory, design, and manipulation. Explore careers to apply your digital media skills and find your place in this fast-paced and exciting field!
High School Non-Essential First Semester MMC Platform: eDynamic
Digital Media Fundamentals 1B: Producing for the Web - ED Let's polish your digital media skills and help you learn all about web design. Incorporate your creative ideas into websites and discover the basics of marketing to understand how your work can be used effectively. You'll also explore the world of podcasts and audio editing to construct a solid foundation from which you can pursue a career in this exciting field. High School Non-Essential Second Semester MMC Platform: eDynamic
Digital Media Web Design 2A: Build a Portfolio Website - ED Did you know that you are consuming digital media every time you open an app or use your computer or tablet? Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options. It's your turn to start designing websites and experiences for digital media consumers. High School Non-Essential First Semester MMC Platform: eDynamic
Digital Media Web Design 2B: Build an eCommerce Website - ED — Think of the best online stores you?ve visited. What do you think makes them unique? How do they keep buyers engaged and purchasing? Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site! High School Non-Essential Second Semester MMC Platform: eDynamic
Experiencing Arts and Technology High - GL Θ The course is designed to explore many areas of study in an educational, fun and often hands-on manner. Students will have the option to join a variety of field trip opportunities. This course delivers content/lessons relating to each specific field experience. Students are required to complete content whether or not they attend each field trip. This virtual course delivers engaging assignments, fun activities, and quizzes. High School Non-Essential First and/or Second Semester Platform: GLOBE

Foundations of Game Design 1A: Introduction - ED
High School Non-Essential First Semester MMC Platform: eDynamic
Foundations of Game Design 1B: Storytelling, Mechanics, and Production - ED
High School Non-Essential Second Semester MMC Platform: eDynamic
Foundations of Programming A - MV Do you want to learn the skills required to be competitive in today's high tech workforce? Foundations of Programming (FoP) will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field. Prerequisites: Knowledge of computer fundamentals
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Foundations of Programming B - MV
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Game Design 2A: Build a World - ED Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.
High School Non-Essential First Semester MMC Platform: eDynamic
Introduction to Engineering - LI

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

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

Introduction to Networking 1A: Introduction - ED
High School Non-Essential First Semester Platform: eDynamic
Introduction to Networking 1B: Network Oversight - ED Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly. High School Non-Essential Second Semester Platform: eDynamic
Introduction to Programming 1A: Introduction - ED Have you ever wondered how your favorite software is created? Explore the software development life cycle from start to finish while developing your own programming skills with Python. Explore the power of data and algorithms along with their influence on the world. Launch yourself into the endless possibilities a career as a programmer can bring you! High School Non-Essential First Semester MMC Platform: eDynamic
Introduction to Programming 1B: Problem Solving Through Programming - ED
Java Programming A - MV
Java Programming B - MV — This course is the second of two segments that provide the beginning programmer with a guide to developing applications using the Java programming language. Java is popular among professional programmers because it can be used to build visually interesting graphical user interface (GUI) and Web-based applications. Java also provides an excellent environment for the beginning programmer—a student can quickly build useful programs while learning the basics of structured and object-oriented programming techniques. Prerequisite: Java Programming A High School Non-Essential Second Semester Platform: Michigan Virtual

JavaScript Game Design - MV
Network Security Fundamentals 1A: Introduction - ED All Have you seen news headlines about cyber data breaches or hacks? With so many businesses working hard to ensure that their data and their customers? information stay safe and secure, it's no wonder that careers in cybersecurity are in high demand. Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur. Could you be the security specialist that stops the next cyberattack? High School Non-Essential First Semester Platform: eDynamic
Network Security Fundamentals 1B: Forensics and Permissions - ED As the world becomes increasingly more interconnected by technology, computer and mobile-based crimes are becoming more prevalent. Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field. As a cybersecurity specialist, you'll never get bored with trying to keep individuals and organizations safe! High School Non-Essential Second Semester Platform: eDynamic
Procedural Programming - MV Do you want to learn higher-level coding skills? This course teaches advanced programming concepts using the computer language Python. You will learn techniques and processes associated with computer programming and software development. This is the third course in a three course sequenceDigital Information Technology, Foundations of Programming, and Procedural Programming make up the Web Application and Development Program of Study. Prerequisites: Digital Information Technology and Foundations of Programming

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

Programming 2A: Procedural Programming - ED |

Congratulations; you?re speaking a different language! A programming language that is. But do you want to learn more? Discover the most popular programming languages and what they have to offer the software world. Explore data, algorithms, and objectives and how they are essential to language?speak?. Learn the software development life cycle and how it can be implemented so you can create projects, such as a prototype for an app you'll code and a working to-do list website.

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

Puzzles, Games and Logic High - FL |

Learn strategy, logic, critical thinking, and problem-solving through games! We will use fun, educational, games to build critical thinking and tactics. This course will introduce a variety of topics in graph theory, logical deduction, pattern recognition, and theory of mind. Games vary from year to year (this course may be taken for two years in a row). Past games include Set, Clue, Bananagrams, Catan, Mastermind, Ticket to Ride, Election Night, and more. Virtual assignments have further puzzles and discussions related to the games we're exploring, reflection on which strategies work well and why, as well as bonus puzzles, riddles, and brain teasers. We will analyze the games we cover — including breaking down how the rules affect the optimal strategy, and how adding/removing rules affects game play. Students will then apply their skills to examine the strategy and rules of a game they choose; which will require reading, comprehension, reasoning, critical thinking, and problem solving skills. Students will then use the skills they've learned to examine the strategy and rules of a game they choose. This virtual course delivers engaging, assignments, fun activities and quizzes.

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

Reverse	Engineering	High	- GL	Ø

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

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

Web Development 1A: Introduction - ED |

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

High School | Non-Essential | First Semester | MMC | Platform: eDynamic

Web Development 1B: Planning and Designing - ED |

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

High School | Non-Essential | Second Semester | MMC | Platform: eDynamic

Wilderness Survival and Adventuring High - GL | &

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

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

Access: Office Fundamentals Series - ED |

Learn to create, manage, and link databases for essential business operations. Develop your database, design, and planning skills and learn to implement security features to protect and back-up your important data. Put your new skills into practice with a capstone project. The content of this course will be applicable to the Microsoft Office Suite certification exam. CTC Course

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

Accounting A - MV |

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

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

Accounting A - GL
Accounting B - MV
Accounting B - GL

Advertising - LI |

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

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

Advertising & Sales Promotion - ED |

Great marketing strategies can be powerful. Every year companies spend approximately \$200 billion promoting their products and services? and that's just in the United States alone! Explore how marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. Learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry. CTC Course

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

Business Applications - LI

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

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

Business Mathematics A - LI

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-word mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

High School | Non-Essential | First Semester | MMC | Platform: Lincoln

Business Mathematics B - LI

In Business Mathematics, students discover a variety of basic mathematical concepts and tools for real-word mathematical application including algebraic equations, formulas, operations using fractions, decimals, and percentages. This course shows students how to work with percentages to solve application problems and how to research investment and insurance options. Students learn to graph a function from an equation, and they work with ratios and proportions. Additionally, students explore the proper methods of preparing and analyzing income statements and balance sheets. They also study the ways in which to calculate real estate loan payments, and they learn to read and interpret graphs to represent data in the business world. This course also discusses mean, median, and mode as it relates to the distribution of data.

High School | Non-Essential | Second Semester | MMC | Platform: Lincoln

Career Explorations - LI Career Explorations allows students to investigate the necessary steps to prepare for careers that match their interests, abilities, and aptitudes. Students research various careers, their roles in society, job duties, required education and qualifications, and salary and outlook. They acquire job-seeking skills such as resume writing, interviewing, and portfolio development skills. Students discover workplace dynamics, how to navigate challenging situations, and explore various techniques for advancing in their chosen career field. This course prepares students to manage the financial challenges they will face as they prepare for a career and future employment. Students apply newly acquired knowledge and skills in a real-world experience to further solidify future career plans. High School Non-Essential First or Second Semester Platform: Lincoln
Entrepreneurship - MV Ever wonder what it takes to own your own business, be your own boss and write your own paycheck? Entrepreneurship helps students examine their readiness and passion for such an undertaking. Students will learn what entrepreneurship is all about, develop a business idea, conduct a feasibility analysis, identify their primary customer, learn about financing a business and write a business plan. They will also learn about how to manage their business, including the hiring process, operations, inventory controls, and production management. The final step will be developing their strategic plan for the future to help bring their entrepreneurial dreams to reality. High School Non-Essential First or Second Semester Platform: Michigan Virtual
Excel: Office Fundamentals Series - ED Discover the real-world uses of Microsoft Excel and its impact on business, academic, and personal applications. Move from inserting and manipulating data, to working with tables, charts, graphs, and calculations. Content of this course will also be applicable to the Microsoft Office Suite certification exam. CTE course High School Non-Essential First or Second Semester Platform: eDynamic
Exploring Cinema - LI Exploring Cinema introduces students to film-making and cinematic productions. In this course, students explore the technology used to create a film and begin to build an aesthetic appreciation of films. Students also explore media art and the ethics of media creation, giving them a wider perspective on the different ways material can be presented. High School Non-Essential First or Second Semester MMC Platform: Lincoln
International Business: Global Commerce in the 21st Century - ED With the evolution of technology, our world is more connected than ever before, and the business community today is larger than ever. Gain the knowledge, skills, and appreciation to live and work in the global marketplace. You'll begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of global business in the 21st century. CTE course High School Non-Essential First or Second Semester Platform: eDynamic
Introduction to Business - LI Image: Instruction to Business - LI Image: Instruction to Business, students explore their roles as wage earners, consumers, and citizens as they discover the wide, exciting world of business. In this introductory course, students investigate topics pertaining to investment strategies and business communications that are vital for success in today's economy. Students analyze the impact of marketing and the role of the government in the realm of business and economy.

 $High\ School\ |\ Non-Essential\ |\ First\ or\ Second\ Semester\ |\ Platform:\ Lincoln$

Marketing - LI Throughout the Marketing course, students discover the various ways marketing affects their lives. This course introduces students to the study and implementation of market analysis, which focuses on identifying customer needs and desires and supplying them with those exact requests. The course provides a solid foundation for students contemplating careers in marketing, advertising, or other business-related and commercial fields.
High School Non-Essential First or Second Semester MMC Platform: Lincoln
Marketing Foundations 1A: Introduction - ED Explore the fast-paced and exciting world of marketing! Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research, and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business. High School Non-Essential First Semester MMC Platform: eDynamic
Marketing Foundations 1B: Building Your Base - ED Dig deeper into the world of marketing and what it means for business success! Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field! High School Non-Essential Second Semester MMC Platform: eDynamic
Office Administration 1A: Introduction - ED
Outlook: Office Fundamentals Series - ED Asster your email and learn about Outlook's functions to produce professional communications, helping you to succeed in business and in life. Understand effective communication techniques, working with attachments, formatting, replying, and organizing. Be prepared for your day with other features such as calendars, contacts, and tasks. Content of this course will also be applicable to the Microsoft Office Suite certification exam. CTE course
High School Non-Essential First or Second Semester Platform: eDynamic
Personal and Family Finance - ED

PowerPoint: Office Fundamentals Series - ED
High School Non-Essential First or Second Semester Platform: eDynamic
Principles of Business, Marketing, and Finance 1A: Introduction - ED Discover the fundamental knowledge that will help you pursue a career in business, as well as always generating interest and buzz around the products and services offered. Explore different types of businesses and ownership forms, the impact of governments on business, and the marketing of goods and services. Learn about globalization, free trade, and various economic systems, as well as the impact of technology on business, business ethics, and social responsibility. CTE course High School Non-Essential First Semester Platform: eDynamic
Principles of Business, Marketing, and Finance 1B: Targeting Your Business Insight - ED
Principles of Information Technology 1A: Introduction - ED Ready to develop your understanding and proficiency in computers? Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. Learn about computer hardware and maintenance to data management and storage options to network systems, administration, and troubleshooting. Then dive into word processing, spreadsheets, and databases to cement your knowledge of information technology! High School Non-Essential First Semester Platform: eDynamic
Principles of Information Technology 1B: Working with Computers - ED
Sports & Entertainment Marketing - ED

deals can become very successful.

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

Word: Office Fundamentals Series - ED
High School Non-Essential First or Second Semester Platform: eDynamic
3D Modeling - ED Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? This is a great place to start as it is the foundation for all these career paths. Explore graphic design and illustration as you use 3D animation software to create design projects while developing your drawing, photography, and 3D construction techniques. Let's get creating! High School Non-Essential First or Second Semester MMC Platform: eDynamic
Allied Health Assistant 1A: Introduction - ED Are you passionate about helping people and making a difference in their lives? If you?re planning on going into the healthcare field, then this course is for you! Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics. High School Non-Essential First Semester Platform: eDynamic
Allied Health Assistant 1B: Skills and Specialties - ED Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health. High School Non-Essential Second Semester Platform: eDynamic
CANCELLED-PSAT/SAT/ACT Test Prep - GL Θ Standardized tests like the PSAT, SAT, and ACT are frightening experiences for most students. The course will help the student to develop key skills that will boost a student's ability to score well on these tests. Students will learn keys to quick reading comprehension and word usage analysis. Students will learn vocabulary frequently used on the PSAT, SAT, and ACT and some practical strategies will be given. Students will be assisted in actually taking sections of past tests in timed settings so that the stress of timed test-taking in a competitive environment is reduced

significantly. In this arena, confidence building is as important as content building! In the game of standardized test taking, confidence is the essential edge. Practice and experience guarantee increased confidence. This virtual course delivers engaging assignments, research, forums and/or discussions and quizzes.

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

Career and College Readiness - GL | 🖈 | 💂

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

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

Career Planning - MV This course provides a basic overview of career planning concepts. It gives students the opportunity to learn about, explore and reflect on various career opportunities based on Michigan's six Career Pathways.
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Careers in Criminal Justice 1A: Introduction - ED
Careers in Criminal Justice 1B: Finding Your Specialty - ED — Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.
High School Non-Essential Second Semester Platform: eDynamic
Careers: Find your Future - MV
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Debate - GL ©

Debate offers an excellent avenue to learn speaking, research, writing, critical thinking, and argumentation. This class takes a highly practical approach. We will not be involved in any formal debate competitions, but we will study and use the public forum method of debate. Public forum debate focuses on developing debaters who can persuade any audience to support a particular position through a series of back and forth speeches that mimic the real world debates on television with pundits and politicians. Students will learn to persuade not only through logic and reason but also through convincing appeals to emotions and ethics. In today's world, a well-planned emotional approach will give logic its most powerful impact. By researching both sides of an issue, students will know how to support their own beliefs in the real world by thoroughly understanding the other side.

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

Early Childhood Education 1A: Introduction - ED |

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

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

Early Childhood Education 1B: Developing Early Learners - ED Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special need. Use this knowledge to develop your professional skills well suited to a career in childcare.
High School Non-Essential Second Semester Platform: eDynamic
Early College Capstone A - GL
High School Non-Essential First Semester Platform: GLOBE
Early College Capstone B - GL This is a two semester culminating course required for Grade 13 Early College students. Students will successfully demonstrate college readiness and life skills preparation to launch independently after grade 13. In addition, students will successfully complete a math experience (first semester) to possess a solid understanding of financial aid, completing the (FAFSA) Free Application for Federal Student Aid and scholarship applications. High School Non-Essential Second Semester Platform: GLOBE
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Employability Skills - MV
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Health Science Foundations 1A: Introduction - ED Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques? providing a solid basis for those wanting to advance through the health sciences. High School Non-Essential First Semester Platform: eDynamic
Health Science Foundations 1B: Professional Responsibilities - ED Aking sure that you, your patients, and your colleagues stay safe, you'll begin analyzing your responsibilities for ensuring patient and personal safety with special attention paid to emergency procedures. Examine infection control, first-aid, CPR, and measuring a patient's vitals. Learn about numerical data, such as systems of measurement, medical math, and reading and interpreting charts. And examine effective teamwork and leadership characteristics while building your employment skills.

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

Health Science: Nursing - ED \(\subseteq \) The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.
High School Non-Essential First or Second Semester Platform: eDynamic
Hospitality & Tourism: Traveling the Globe - ED
High School Non-Essential First or Second Semester Platform: eDynamic
Human and Social Services 1 - ED — Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. Explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.
High School Non-Essential First or Second Semester Platform: eDynamic
Interior Design - ED Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and ?green? options for homes and businesses. Interior designers do it all?from planning the color scheme to choosing furniture and light fixtures?with the end goal of creating a space where people can live or work comfortably, safely, and happily.
High School Non-Essential First or Second Semester MMC Platform: eDynamic
Introduction to Forestry & Natural Resources - ED
Introduction to Manufacturing: Product Design & Innovation - ED — Have you ever wondered how products make it to store shelves? Goods we purchase must go through a manufacturing process before they can be marketed and sold. Learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! See how exciting, creative, and practical this industry can be.

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

Introduction to Military Careers - ED Do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine. You will learn about the five military branches? Air Force, Army, Coast Guard, Marines Corps, and Navy? and examine which jobs you might like to pursue. From aviation to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.
High School Non-Essential First or Second Semester Platform: eDynamic
Introduction to Renewable Technologies - ED Renewable Technologies are becoming increasingly important as concerns about climate change, the use of fossil fuels, and population growth become foremost in the public eye. So, how do we address the world's growing concerns about energy sources? Uncover the development of new energy technologies and explore how recent approaches to renewable technologies unlock the solution needed for a safer, cleaner, and more enduring world.
High School Non-Essential First or Second Semester Platform: eDynamic
Law & Order: Introduction to Legal Studies - ED
Leadership Skills Development - MV
Principles of Agriculture, Food and Natural Resources - ED Did you know that the world's population could be 11 billion people by 2050? With a growing population, how do we keep everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Gain a stronger sense of how we can maximize the foods and natural resources the earth provides. Learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world. High School Non-Essential First or Second Semester Platform: eDynamic
Principles of Public Service: To Serve & Protect - ED — Public service is a field that focuses on building a safe and healthy world, and you'll explore the many different career choices that are imperative to our comfort and success as a society. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!
High School Non-Essential First or Second Semester Platform: eDynamic

Restaurant Management - ED
Social Media - ED Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways. High School Non-Essential First or Second Semester Platform: eDynamic
Study Skills - MV
Test Prep - GL
Veterinary Science: The Care of Animals - ED

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

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

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

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

Advanced	Journalism	- MV	닐

Advanced Journalism is designed for students who took the Journalism course through Michigan Virtual and would like to extend their knowledge of journalism concepts by exploring different mediums, like design and broadcasting, and delving deeper into concepts introduced before, such as investigative reporting and in-depth feature writing. Your first task is to explore what it takes to contribute successfully to a news outlet, whether it be print or broadcasting. Then you will learn about design concepts and design your own website, which will serve as a portfolio for your work. Then we will explore other avenues of journalism, such as opinion writing, broadcasting, investigative reporting, in-depth features, and alternative story forms. We will also discuss as a class current events articles of your choosing so that we can stay in touch with the world and learn to critically think about the source and information provided.

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

African American Literature - LI

African American Literature is a survey course that spans the history of America as it relates to the lives of African Americans. Students explore the forcible transport of individuals from Africa to America, the publication of narratives of enslaved men and women, the abolition of slavery under President Lincoln, the civil rights movement, and the presidency of Barack Obama. Students explore the powerful and influential roles that African Americans have played in U.S. history. They discover the contributions of African American activists, artists, and authors through literature and nonfiction texts such as biographies, autobiographies, memoirs, court cases, historical texts, and litigations.

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

AP English Language Composition A - MV

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP English Language Composition B - MV |

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP English Literature Composition A - MV |

This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

ΑP	English	Literature	Comp	osition	R -	MV	
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This course provides students with college level instruction in studying and writing various kinds of analytic or persuasive essays on literary and nonliterary topics in language, rhetoric and expository writing. Students will become skilled readers of prose written in various periods, disciplines, and rhetorical contexts. Both their reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way writing conventions and language contribute to effectiveness in writing. This course will effectively prepare students for the AP Exam by enabling them to read, comprehend, and write about complex texts, while developing further communication skills on a college level. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

Books from Across the Pond - GL |

This class will focus on the Romantics, the Victorians, and contemporary writers of British literature. We will read and study two British novels together as a class and learn about the authors and the time periods of those authors. We will also focus on examples of poetry and short stories that were pioneered by the ancestors of our country. We will work on developing critical thinking skills in analyzing and appreciating one of the greatest literary heritages in the world. This class will include group work together in analyzing and identifying literary techniques. Each student will receive a syllabus with projects and excerpts from famous works as well as a comprehensive study guide for each of the individual novels we study. This will be great preparation for college as well as providing them with the rich literary heritage that we have received from our English forefathers. Students should be proficient readers.

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

Communications - LI |

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

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

Composition (Advanced) - MV |

This is the second course in a two-course sequence. In this course, students will study and become proficient in the use of the writing process. Students will also learn several grammar concepts that involve sentence structure, punctuation, and usage. In addition, they will learn about essay structure and organization through the development of five common types of essays: process analysis, definition, narrative, comparison/contrast, and classification and division.

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

Composition (Beginning) - MV |

This is the first course in a two-course sequence. In this course, students will study and become proficient in the use of the writing process. Students will also learn several grammar concepts that involve sentence structure, punctuation, and usage. In addition, they will learn about essay structure and organization through the development of five common types of essays: process analysis, definition, narrative, comparison/contrast, and classification and division.

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

Creative Writing - LI

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

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Lincoln

Debate - LI
High School Non-Essential First or Second Semester MMC NCAA Platform: Lincoln
English Grammar - LI Students enrolled in English Grammar explore basic, intermediate, and advanced concepts of grammar, language, style, and composition. By analyzing word meaning and function, students will generate content using appropriate grammatical expressions. Students will examine provided writing samples and their own compositions to enhance their skills. The English Grammar curriculum is designed to cover a half-year of instruction, but it can be completed at each student's own pace.
High School Non-Essential First or Second Semester Platform: Lincoln
Greek and Roman Mythology - LI In Greek and Roman Mythology, students explore myths from Greece and Rome. They examine the history of mythology and some of the key gods and goddesses. Students learn to connect the cultures of ancient Greece and Rome with the culture of today. Throughout this course, students use technology and artistic practices to express their knowledge. In addition, they explore vocabulary, literary, and narrative elements, in addition to writing through the lens of mythology. Students work through the process of writing myths of their own through planning, drafting, revising, and publishing. High School Non-Essential First or Second Semester NCAA Platform: Lincoln
Introduction to College Writing - LI Introduction to College Writing prepares students to create freshman writing pieces as they move toward their post-secondary education. In this course, they learn the skills necessary to build a solid foundation for basic college writing as they focus on informative and persuasive writing. Students practice organization, tone, and style in their work to ensure that they are well-rounded and skilled writers. Finally, students discover how to locate and present research and evidence in a logical, well-organized manner. High School Non-Essential First or Second Semester NCAA Platform: Lincoln
Journalism (Advanced) - MV Advanced Advanced Journalism is designed for students who took the Journalism course through Michigan Virtual and would like to extend their knowledge of journalism concepts by exploring different mediums, like design and broadcasting, and delving deeper into concepts introduced before, such as investigative reporting and in-depth feature writing. Your first task is to explore what it takes to contribute successfully to a news outlet, whether it

Advanced Journalism is designed for students who took the Journalism course through Michigan Virtual and would like to extend their knowledge of journalism concepts by exploring different mediums, like design and broadcasting, and delving deeper into concepts introduced before, such as investigative reporting and in-depth feature writing. Your first task is to explore what it takes to contribute successfully to a news outlet, whether it be print or broadcasting. Then you will learn about design concepts and design your own website, which will serve as a portfolio for your work. Then we will explore other avenues of journalism, such as opinion writing, broadcasting, investigative reporting, in-depth features, and alternative story forms. For each of these unit assignments, you will have the opportunity to edit and be edited by your classmates as if you were writing for a professional publication. We will also discuss as a class current events articles of your choosing so that we can stay in touch with the world and learn to critically think about the source and information provided, so you will become a more informed news consumer.

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

Journalism (Introduction) - MV
Journalism 1A - ED Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field. High School Non-Essential First or Second Semester Platform: eDynamic
Journalism 1B - ED

Media Writing - LI

Media Writing is designed for students who are interested in careers in broadcast journalism, communications, or media. In this course, students explore the basics of media writing in addition to careers in print, online, and broadcast media. Students investigate the numerous styles of writing for a number of applications, including newspapers, magazines, audio broadcasts, video broadcasts, and the Internet. In addition, students practice researching, locating, and using sources that are reliable and valid.

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

Mythology and Folklore - MV | ★ | 💂

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

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

Poetry - LI |

Poetry is a course for students who are interested in learning more about different types of poetry and writing their own poetry. In Poetry, students explore the elements of a poem, including theme, poetic devices, rhyme, meter, and word choice. Students evaluate different poetic structures and draft and create their own poems in these structures. In this course, students use evidence to support analysis, conduct research, and write research papers.

 $High\ School\ |\ Non-Essential\ |\ First\ or\ Second\ Semester\ |\ MMC\ |\ NCAA\ |\ Platform:\ Lincoln$

prepare for college and career success. Reading is a vital skill in the information age, when we are bombarded with a constant stream of information. Being able to determine and comprehend the main ideas in this constant flow is imperative to success both in the academic world an in the world of work. Learning to discern fact from opinion and bias from objectivity will empower students to make better life and work decisions, while effective note taking and summarizing skills help students achieve their goals in higher education and in the career of their choosing.
High School Non-Essential First or Second Semester Platform: Michigan Virtual
Short Stories - LI Short Stories exposes students to the basic characteristics, writing style, and literary elements of a story. From characters, point of view, and setting to techniques such as suspense and irony, students learn how short stories provide readers with the opportunity to experience different storylines in a precise and defined format. Students become acquainted with the compact nature of the short story literary form and each author ability to weave exciting, interesting narratives in such short, tight spaces. Students learn the importance of being concise, recognizing that good literature does not necessarily have to be lengthy in order to be captivating.
High School Non-Essential First or Second Semester MMC NCAA Platform: Lincoln
Technical Writing - LI Written communication skills and documentation in the business environment are central to the Technical Writing course. This course enables students to understand a variety of documents and allows them to perfect their technical writing abilities. From journal writing, email, and directional writing to memos and letter drafting, students encounter numerous types of technical writing and build upon their technical skills and knowledge.
High School Non-Essential First or Second Semester MMC Platform: Lincoln
Time4Writing High - TW
High School Non-Essential First and/or Second Semester Platform: Time4Writting
World and Cultural Mythology - LI
World Literature - MV
High School Non-Essential First or Second Semester Platform: Michigan Virtual

How will reading affect a student's future? How does reading shape the world around us? This course helps students answer these questions and

Reading for College Success - MV | 🖈 | 💂

	World	Literature	- LI	
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In World Literature, students explore a wide variety of literary styles, artists, and mediums from cultures and societies around the globe. Students analyze different forms of writing, including fiction and nonfiction, and they evaluate how authors from different areas, religious backgrounds, genders, and cultures use the written word to express thoughts and opinions and tell poignant stories.

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

AP Art History A - MV |

This course is aligned to the Advanced Placement curriculum for Art History. Students will examine major forms of artistic expression from the past and present and from a variety of cultures and will learn to look at these works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Schools must supply a proctor for the midterm and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Art History B - MV |

This course is aligned to the Advanced Placement curriculum for Art History. Students will examine major forms of artistic expression from the past and present and from a variety of cultures and will learn to look at these works of art critically, with intelligence and sensitivity, and to articulate what they see or experience. Schools must supply a proctor for the midterm and final exam. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

Applied Art High - GL |

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Art Appreciation High - GL |

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

CANCELLED-3D Art and Artists High - GL |

Students will dive into three-dimensional art techniques and artists who create 3D art that will inspire you! Ceramics, sculpture, glass art, metalwork and recycled art will be some of the topics. This course delivers engaging virtual content, research assignments, and quizzes.

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

CANCELLED		~ A
CANCELLED-American	i Art High - (JL CC

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

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

CANCELLED-Art and Visual Culture A - LI |

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

High School | Non-Essential | First Semester | MMC | Platform: Lincoln

CANCELLED-Art and Visual Culture B - LI |

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

High School | Non-Essential | Second Semester | MMC | Platform: Lincoln

CANCELLED-Introduction to Digital Media A - LI

Introduction to Digital Media A provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Topics extend beyond the actual visual demonstrations, allowing students to review the editing process for images, sound, and video. In this introductory course, students explore the vast possibilities of digital media, how it is used in everyday advertising and art, and where innovation exists within the field. Intro to Digital Media A topics include think like an artist, digital photography, Creative Cloud, Bridge, digital graphics, and Illustrator. Required Adobe Software: Audition, Bridge, Illustrator, Photoshop, Portfolio, Premiere

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

CANCELLED-Introduction to Digital Media B - LI |

Introduction to Digital Media B provides students with a foundation in graphic arts, sound, and video media. Students explore production and portfolio generation while evaluating and analyzing other artists. Topics extend beyond the actual visual demonstrations, allowing students to review the editing process for images, sound, and video. In this introductory course, students explore the vast possibilities of digital media, how it is used in everyday advertising and art, and where innovation exists within the field. Intro to Digital Media B topics include SoundArt, Audition, Video Media Art, Premiere, Behance, and Portfolio. Required Adobe Software: Audition, Bridge, Illustrator, Photoshop, Portfolio, Premiere

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

CANCELLED-Let's Make Art High - GL | 🏵

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Building on the educational outcomes of Visual Arts in elementary and middle school education, high school art prepares students for personal development in the arts through the construction of a body of work that may be instrumental in admission to higher education within the visual and media arts. The Visual Arts Comprehensive I course introduces art history, art criticism, aesthetic judgment, and studio production. Emphasizing the ability to understand and use the elements of art and principles of design through a variety of media, processes, and visual resources, students follow projects from the ideation and planning stages all the way through production, exhibition, and critical self-reflection. Prerequisites: None
High School Non-Essential First or Second Semester MMC Platform: Michigan Virtual
Digital Photography 1A: Introduction - ED
Digital Photography 1B: Creating Images with Impact! - ED Let's further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life, and using this knowledge, build a portfolio of your work to pursue a career in this field! High School Non-Essential Second Semester MMC Platform: eDynamic
Fashion Design - LI Fashion Design is an advanced course for students interested in learning the intricate process of how the fashion system works. Students will study the fashion business in sequential order from concept to consumer. They will examine all of the processes involved in the industry from producing raw materials, apparel, and accessories to the retail stores that sell fashion merchandise to the public. Students learn that the decision-making process is complex and not just about the latest designers, styles, or trends of an era. In this course, students will explore the history of fashion, including the looks and creations at every era. They will discover the equipment, tools, and fabrics used to create fashion, and they will learn how technology is used in fashion. Students have an opportunity to express themselves and their style through the creation of their own fashion design sketches and mood boards. Students will learn fashion terminology and how to forecast new and upcoming fashion trends. High School Non-Essential First or Second Semester MMC Platform: Lincoln
Film Studies: American Film Survey - MV American Film Survey is an exciting journey through what is arguably this country's most influential and beloved art form: cinema. Among the classic film genres examined are film noir, western, comedy, military, epic, psychological drama and independent film. Through viewing, theory and written critique, the student follows the evolution of cinema within the context of our culture and history. Prominent directors and actors both contemporary and past are also highlighted. The culmination of this course prepares the student for more advanced film studies, promotes the development of written expression and analysis and encourages critical thinking with regard to the relationship between popular art and society.
High School Non-Essential First or Second Semester MMC Platform: Michigan Virtual

Let's Paint High - GL | 🗞

Students will continue to learn about more advanced painting concepts and techniques (watercolor, tempera, and acrylic, oil), painting supplies, painting styles, famous painters and painting genres. Genres will include landscapes, still life, portrait and history paintings. Color theory will also be introduced. This virtual course delivers engaging assignments, fun activities, and quizzes.

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

Art and Methods of Dance High - GL |

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Dancing from A-Z High - GL |

Terms, terms, and more terms! Dance is filled with unique terms. In this virtual course, students will advance their learning in a multitude of dance terms across dance genres. Learning terms includes watching the moves be performed. This virtual course delivers fun, engaging lessons, assignments, and quizzes.

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

The Art of Dance High - GL |

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Guitar 1A - MV |

Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation. Prerequisites: None

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

Guitar 1B - MV |

Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation. Prerequisites: Completion of Guitar 1A or equivalent prior experience.

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

Music Applied Level 1 High - MF |

This interactive virtual course is designed for a beginning high school student to personalize their study of music by focusing on developing a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that expands and develops their theoretical and practical music knowledge. This virtual course's topics include world music, scales, sight reading, ear training, musical terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

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Music Applied	Level 2	High -	MF	V

This interactive virtual course is designed for a continuing high school student to personalize their study of music by focusing on developing a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, sight reading, ear training, musical terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Applied Level 3 High - MF |

This interactive virtual course is designed for a progressing high school student to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, scales, composition, more advanced sight reading, ear training, musical terms and concepts, and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Applied Level 4 High - MF |

This interactive virtual course is designed for an advanced high school student to continue their personalized study of music by focusing on developing skills in a specific instrument or voice. The student, in concert with their teacher, will craft a personalized learning plan that continues to expand and develop their theoretical and practical music knowledge. This virtual course's topics include instruments of the band and orchestra, world music, advanced scales, sight reading, ear training, music theory, terms and concepts, composition and a digital portfolio of the student's work. Each student is expected to dedicate regular individual practice time to developing their musical skills under the supervision of their teacher.

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

Music Appreciation - MV |

In this course students will travel back in time to learn some musical basics and history. In the first three units, students will learn about basics of musical ideas, notation, and instruments. In the remaining 5 units, students will learn about important musical ideas and people from the Ancient Times to the 20th Century. Students will be guided through a series of activities, lessons, and assessments that teach them to identify and think about music in a way they may not have previously thought to do.

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

Music Appreciation A - LI |

Music Appreciation stimulates personal growth when listening to music by exposing the student to a large variety of music with provided listening maps indicating applicable music terminology. Students will be able to explain personal music preference, and identify how music is impacted by technology, social values, and daily life of the composers. Students develop an understanding of composer's intent and the ability to rationalize personal interpretation of music works. Similarities and contrasts in music throughout the eras are identified as well as how previous compositions impact future compositions. This course is well suited for advanced upper-level secondary students who plan to focus on music during their post-secondary studies.

High School | Non-Essential | First Semester | MMC | Platform: Lincoln

Music Appreciation B - LI

Music Appreciation stimulates personal growth when listening to music by exposing the student to a large variety of music with provided listening maps indicating applicable music terminology. Students will be able to explain personal music preference, and identify how music is impacted by technology, social values, and daily life of the composers. Students develop an understanding of composer's intent and the ability to rationalize personal interpretation of music works. Similarities and contrasts in music throughout the eras are identified as well as how previous compositions impact future compositions. This course is well suited for advanced upper-level secondary students who plan to focus on music during their postsecondary studies.

High School | Non-Essential | Second Semester | MMC | Platform: Lincoln

Music Capstone |



Advanced high school music students who have unique circumstances may sign up for this independent study course to develop their skills and abilities under the direct regular supervision of the certified music teacher. The student and teacher will work together to decide on the plan of action for the course, including objectives, goals, and demonstration of competency. A final project, performance, or portfolio will be a requirement to earn credit for this course. Music department approval required to register. Corequisite: GLVP Applied Music or GLHS Fine Arts.

High School | Non-Essential | Full Year | MMC | Independent Study

Music Explorations Level 1 High - MF |

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

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

Music Explorations Level 2 High - MF |

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

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

Music Explorations Level 3 High - MF |

This interactive course is designed for the progressing high school student looking to further develop their personalized study of music by focusing on a specific instrument or voice. Applied Music is a prerequisite for this course, although they may be taken simultaneously. The student, in concert with their teacher, will craft a personalized learning plan that expands the theoretical and practical musical knowledge taught in the previous level. Students will complete weekly online assignments including more advanced music theory and ear training, a digital portfolio, sight reading, notation and composition. Each student is expected to dedicate practice time to developing their musical skills under the supervision of their teacher.

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

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Music	Exp.	iorations	Level 4	High	- MIF	▮♥

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

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

Theatre I - LI

Theatre I invites students to explore the history of theatre and the basic elements of stage production. The course highlights the technology used to create early and modern stage productions and the basic fundamentals of acting. Theatre I provides students with a look at production elements such as stage lighting, sound, costume, and makeup. Students learn to apply voice and gesture skills in pantomimed and improvised scenarios, and they receive an overview of the responsibilities of the producer, director, and technical crew of a theatre production. Students develop insight to the motivations of a playwright in the development of a story, and they explore the careers and works of famous playwrights. Theatre I provides a balanced educational experience for all students so that they can gain the inquiry and critical skills involved in clarifying theatrical perceptions and knowledge.

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

CANCELLED-Riveting Reads - GL |

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

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

AP Calculus AB - A - MV |

The course is aligned to the Advanced Placement curriculum for Calculus AB and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Calculus AB - B - MV |

The course is aligned to the Advanced Placement curriculum for Calculus AB and covers calculus principles such as derivatives, integrals, limits, approximation, and applications and modeling. Students will gain experience in the use of calculus methods and learn how calculus methods may be applied to practical applications. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

AP Calculus BC - A - MV
High School Non-Essential First Semester MMC NCAA Platform: Michigan Virtual
AP Calculus BC - B - MV
AP Statistics A - MV
AP Statistics B - MV This Advanced Placement course follows the AP guidelines set for by the College Board and offers a combination of assessment and instruction in an online environment containing but not limited to the areas of exploring data, sampling and experimentation by planning and conducting

studies, anticipating patterns using probability and simulation, and using statistical inference to analyze data and draw conclusions.

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

Applied Mathematics A - LI

Applied Mathematics covers the fundamental mathematics necessary for students to obtain a broad range of skills. Although problems in this course apply to a variety of topics from Algebra to Geometry, emphasis is given to real-world applications. Students write and solve linear equations to represent situations such as the value of a car or the distance that a plane travels during a trip. They also learn to solve quadratic equations and find the maximum value of quadratic equations. Students explore area, perimeter, and volume, and then they apply these concepts to situations such as building a swimming pool. Students calculate conversions between the U.S. customary system of measurements and the metric system. Geometry concepts presented in this course include the Pythagorean Theorem, using similar triangles, finding dimensions, and interpreting scale on a map. Finally, students use statistical concepts to interpret data sets and turn those data sets into graphical representations. In the credit recovery instance of this course, pre- and post-tests measure student mastery at the learning objective level. Students are excused from credit recovery course content based on the results of the topical pre-tests, which allows them to focus on the content they've not yet mastered.

High School | Non-Essential | First Semester | MMC | Platform: Lincoln

Calculus A - LI

Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Lincoln

Calculus B - L1 \(\subseteq \) Calculus evaluates higher-level mathematics through analytical/algebraic, numerical, graphical, and verbal methods. Students study various components of mathematics, including the investigation of trigonometric functions, probability, and series. Students will strengthen their skills with Pre-Calculus and Trigonometry concepts in preparation for post-secondary coursework. Having a strong calculus knowledge base supports all students, but mostly those students who are interested in careers in the mathematics and engineering fields.
High School Non-Essential Second Semester MMC NCAA Platform: Lincoln
Consumer Mathematics A - LI
Consumer Mathematics B - LI In Consumer Mathematics, students learn mathematical concepts that they will use in their daily lives. They focus on real-world topics that require addition, subtraction, multiplication, and division of whole numbers, as well as fractions, decimals, ratios, proportions, and percentages. Students also explore the ways in which real-life activities such as traveling, purchasing a new car or house, or even installing new carpeting relates to mathematics. Consumer Mathematics relates everyday mathematics concepts to concrete definitions, processes, and many real-life situations. High School Non-Essential Second Semester MMC Platform: Lincoln
Math for College Success - AL
Mathematics in the Workplace - MV
Mathematics of Baseball - MV

Baseball is a game of numbers on the field and off. Every run, hit and error has been carefully recorded for more than 100 years. Drawing on this wealth of statistics, this course uses mathematics to explore the history of our National Pastime. The course uses basic and applied mathematics skills including mean, median, mode, graphs (line graphs, bar graphs, pie graphs, and scatter plots), ratios and proportions, conversions, scale drawings and spreadsheets. The baseball topics include reviewing the history, statistics, base running, coaching decisions, biographies of Hall of Fame inductees and field design. This course was developed using the resources of the National Baseball Hall of Fame in Cooperstown, New York. Prerequisites: Middle School Math

Mathematics of Personal Finance - MV ★ 🖳 In this course, students will explore the mathematics concepts and processes associated with personal finance and improve their basic math skills.
High School Non-Essential First or Second Semester MMC Platform: Michigan Virtual
Pre-Calculus A - MV
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Pre-Calculus A - LI
High School Non-Essential First Semester MMC NCAA Platform: Lincoln
Pre-Calculus B - MV
Pre-Calculus B - LI
Probability & Statistics A - MV A The goal of the course is to provide students with an overview of probability and statistics as well as serving as a fourth year math course. High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Probability & Statistics B - MV The goal of the course is to provide students with an overview of probability and statistics as well as serving as a fourth year math course.
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual

Probability and Statistics - LI Students enrolled in Probability and Statistics build a strong foundation in calculating probabilities and evaluating statistics. The Probability and Statistics curriculum is designed to cover a half year of instruction but can be completed at each student's own pace. Students enrolled in the course explore representation of statistical data, working with scatter plots, analyzing statistical data using properties and theorems, and more.
High School Non-Essential First or Second Semester MMC NCAA Platform: Lincoln
Trigonometry - MV Students completing Trigonometry will gain valuable understanding into the world of triangles and develop skills to solve real world problems. Course material is presented in four ways: graphically, algebraically, numerically and verbally. Students enrolled in Trigonometry should not enroll in Pre-Calculus A. High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Trigonometry - LI
Fencing High - GL The focus of Advanced Fencing is to build on the skills taught in Beginner Fencing. Students will work to improve their skills in all three Olympic swords: foil, epee, and saber, while at the same time becoming more practiced in the competition system. Prerequisite: Beginner Fencing course. This virtual course delivers engaging assignments, fun activities, and quizzes. High School Non-Essential Full Year Platform: GLOBE
Health - LI Image: In High School Health, students discover how to make conscientious decisions when attempting to improve their overall health and wellness. From healthy lifestyles, diets, and exercise to responsibilities within individual families and larger communities, topics within the health discipline are pertinent and applicable to all students. Throughout the course, students review concepts that promote safe, healthy, and active lifestyles. High School Non-Essential First or Second Semester MMC Platform: Lincoln
Health Education - MV The course is an interactive exploration of topics surrounding personal health and wellness. The focus of the course is to help students think deeply about issues and also to locate resources should the need for them ever arise. The CPR / AED module fulfills state requirements for delivery of

instruction in cardiopulmonary resuscitation (CPR) and automated external defibrillators (AED).

Health Education (Abstinence Only) - MV
Human Development and Family Studies - LI Students in the Human Development and Family Studies course explore the basic information about human development, parenting roles and strategies, and functioning effectively within the family in today's changing and complex society. This course helps students to develop competencies related genetics, family types, and effective communication. They investigate the ways in which humans develop over their lifespan, human relationships, child care, and child abuse. Students also learn the importance of creating a nurturing and caring home environment. High School Non-Essential First or Second Semester Platform: Lincoln
Life Skills - LI Life Skills - LI Life Skills provides students with important information that will help them to lead independent and successful lives as adults. In this course, students focus on topics including personal finance, nutrition, and personal development. The useful skills students gain in this course will help them to become responsible and proactive young adults. High School Non-Essential First or Second Semester Platform: Lincoln
Muscles and Movement High - GL This virtual course will examine how anatomy plays a role in specific sports and daily fitness. The content will further expand knowledge on anatomy, locomotor skills, physiology, body awareness, etc. Students will have the opportunity to further explore a specific sport. Students will benefit from added understanding of the virtual curriculum through the use of student-directed real life application. This virtual course delivers engaging lessons, assignments, and fun activities. High School Non-Essential Full Year MMC Platform: GLOBE
Nutrition and Personal Fitness - LI High School Nutrition and Personal Fitness helps students to recognize the impacts that nutritional choices and personal fitness play within their lives. Students learn practical ways to control their health through nutrition, exercise, and stress management. Students discover that physical fitness will help them to feel good. High School Non-Essential First or Second Semester MMC Platform: Lincoln
Personal Fitness - MV

Personal Fitness requires students to participate in weekly cardiovascular, flexibility and strength, and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. Personal Fitness is designed to give students the knowledge and desire to establish personal health and fitness programs. The course provides safe, challenging, and enjoyable activities that will allow students to assess and evaluate their lifestyles. Additionally, students will need to supply their own fitness equipment, including for measurement of distance (e.g., meter stick, tape measure), time (stopwatch or watch), and weight (scale), as well as training aids weight and resistance exercises (Note: Examples of household items that may serve these purposes are provided in the lesson instructions). Some activities may also require the assistance of another person. A final fitness test includes a one-mile run, sit-and-reach measures of flexibility, push-ups, pull-ups, curl-ups, and calculation of body mass index. Prerequisites: None

Personal	Wellness	High	- GL	Ø
i Ci Sunai	WCIIIICSS	HZIII	- OL	•

The high school course of Personal Wellness focuses on the direct correlation individual behaviors have on personal health. Students will analyze their overall health status through self assessment. Some topics include goal setting, creating a nutrition plan and developing a personal fitness regimen. In addition, students will learn strategies that improve their long-range wellness. This virtual course delivers engaging lessons, assignments, and fun activities.

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Physical Education 10 - LI |

Physical Education 10 offers a complete physical education experience for students. The course, which includes a mix of health-related information and physical fitness activities, focuses on teaching students how to live both healthy and active lives. Students begin the course by reviewing the requirement of 72 hours of supervised, physical activity and learn to document their activity in a PE Log. They can also track their activity by using their Movband, an electronic fitness tracker. Next, students explore a variety of health and physical fitness components such as using fitness equipment and playing organized games. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

Physical Education 11 - LI

Physical Education 11 provides students with a complete physical education course, which includes a mix of nutrition-related insight to physical fitness activities. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. They can manually track activity or use their Movband, an electronic fitness tracker. Next, students explore a variety of health and physical fitness components such as using fitness equipment and playing organized games. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

Physical Education 12 - LI |

Physical Education 12 delivers a comprehensive physical education experience for students. They receive a mix of instruction on nutrition and physical activities, in addition to information that will help them make better, more health-conscious decisions. The course will guide them in leading a more fit and active lifestyle. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. They can manually track activity or use their Movband, an electronic fitness tracker. The course then moves into content ranging from the F.I.T.T. principle and nutrition to a variety of exercises and physical activities. When students are asked to complete an exercise or activity, they receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of what activity the student is asked to do within a given day, they are encouraged to get up and move for a certain amount of time in each lesson. Students can be active by performing different exercises, engaging in different activities. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

Physical Education 9 - LI

Physical Education 9 provides a comprehensive physical education course for students, focusing on teaching them how to live both healthy and active lives. Whether it is with nutrition, exercise, or general life choices, students are educated on the multiple facets of creating a healthy lifestyle. Students begin by learning about the required 72 hours of supervised, physical activity and how to document their activity in a PE Log. Students can also track their activity by using a Moveband fitness tracker. As they begin the course, students focus on different physical fitness components (including F.I.T.T.) in addition to various fun and challenging activities and exercise techniques. They receive instruction on the basic elements and the proper execution of each movement so that they can get the most benefits from the exercise. Regardless of the activity students are asked to do within a given day, they are encouraged to get up and move for a certain amount of time within each lesson. Students can be active by performing different exercises, engaging in different activities, or by using items from their grade-appropriate physical education kits, which are available to purchase. This kit, which is designed to work in conjunction with the course content, contains age-appropriate exercise and activity items. Students who participate in organized team practices, games, and/or matches can also document activity within the Sports Verification Log. Adaptive physical education activities are available for this course.

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

Sports and Fitness High - GL |

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

High School | Non-Essential | Full Year | MMC | Platform: GLOBE

Anatomy and Physiology - LI |

Within Anatomy and Physiology, students will explore the fascinating dynamics of the human body. Students begin by exploring the history of anatomy, essential anatomical terminology, and the hierarchical organization of the human body. From there, students will be introduced to basic biochemistry and cellular processes, and they will take a virtual tour of the cell. Students also investigate the structure, function, hierarchy, and diseases and/or disorders of each organ system. Students must possess basic spreadsheet, word processing, and presentation software knowledge as a prerequisite. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts presented in this course.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Lincoln

Anatomy Physiology A - MV| ★ | 💂

This course is the first in a two-course sequence. This course presents a fascinating, in-depth exploration of the structure and function of the human body. The course will use a systems approach and will emphasize how organs and body systems work together to carry on complex processes. Concepts and principles will be related to familiar health issues, problems and experiences we face as humans. Upon completion of this course, students will have a thorough understanding of the human body and how its parts work together to maintain the delicate equilibrium of life. Prerequisites: Biology and Chemistry

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

Anatomy Physiology B - MV| ☆ | 💂

This course is the second in a two-course sequence. This course presents a fascinating, in-depth exploration of the structure and function of the human body. The course will use a systems approach and will emphasize how organs and body systems work together to carry on complex processes. Concepts and principles will be related to familiar health issues, problems and experiences we face as humans. Upon completion of this course, students will have a thorough understanding of the human body and how its parts work together to maintain the delicate equilibrium of life. Prerequisites: Anatomy and Physiology A

AP	Bio	logy	Α.	- MV	<i>7</i> .	口

This course is aligned to the Advanced Placement curriculum for Biology. The course provides an overview of cell biology, evolution, genetics, ecology, as well as the structure and function of plant and animal systems. In AP Biology, students build the conceptual framework necessary to understand science as a process. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Biology B - MV |

This course is aligned to the Advanced Placement curriculum for Biology. The course provides an overview of cell biology, evolution, genetics, ecology, as well as the structure and function of plant and animal systems. In AP Biology, students build the conceptual framework necessary to understand science as a process. Course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Chemistry A - MV |

This course is a full year of AP Chemistry including inquiry-based wet lab experiences. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. [CR2] A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. Laboratory experiences are included within this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Chemistry B - MV |

This course is a full year of AP Chemistry including inquiry-based wet lab experiences. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board. [CR2] A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students that have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. Laboratory experiences are included within this course. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Environmental Science A - MV |

AP Environmental Science is a course revolving around ecology, biology, and conservation. The impacts associated with human and animal activities such as pollution, overpopulation, and deforestation will be studied to give students a strong understanding of their role as citizens of the world. Laboratory and field experiences will be heavily stressed so that students may learn by interacting with the environment. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

AP Environmental Science B - MV AP Environmental Science is a course revolving around ecology, biology, and conservation. The impacts associated with human and animal activities such as pollution, overpopulation, and deforestation will be studied to give students a strong understanding of their role as citizens of the world. Laboratory and field experiences will be heavily stressed so that students may learn by interacting with the environment. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. High School Non-Essential Second Semester MMC NCAA Platform: Michigan Virtual
AP Microeconomics - MV — This single-semester course introduces students to the economic principles that apply to consumers and producers in an economic system and focuses on the nature and function of product markets, the study of factor markets and the role of government. Content in each lesson is presented in a variety of formats including a Textbook, videos and other internet resources. Students are given the ability to select from some, or all of these resources, based on their own learning preferences and needs. Regular practice opportunities allow students to gauge their understanding and preparedness before attempting graded quizzes and tests. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
AP Physics 1A - MV AP Physics 1 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include Newtonian mechanics, work, energy, mechanical waves, sound, and simple circuits. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. High School Non-Essential First Semester MMC NCAA Platform: Michigan Virtual
AP Physics 1B - MV AP Physics 1 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include Newtonian mechanics, work, energy, mechanical waves, sound, and simple circuits. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. High School Non-Essential Second Semester MMC NCAA Platform: Michigan Virtual
AP Physics 2A - MV AP Physics 2 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include fluids, thermodynamics, electrostatics, electric circuits, and magnetism. This course also has a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam;

students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP

standards, all AP course midterm and final exams must be proctored.

AP Physics 2B - MV AP Physics 2 is an introductory college-level physics course designed to simulate the rigor and skills needed for a first year college course. The course is algebra based and the topics of study include fluids, thermodynamics, electrostatics, electric circuits, and magnetism. This course also ha a laboratory requirement that will be met with hands-on labs along with online simulations. The labs will be inquiry-based to provide students the opportunity to develop critical thinking and reasoning skills along with applying the science practices. This course does not include the AP exam; students can contact their school's AP coordinator or guidance counselor to sign up for the exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. High School Non-Essential Second Semester MMC NCAA Platform: Michigan Virtual
AP Physics C - A - MV
AP Physics C - B - MV
Astronomy - MV Astronomy provides a broad overview of all topics in astronomy for the beginner. The course provides a foundation to the science of astronomy including motions in the night sky and the tools of modern astronomy. It contains the most up-to-date science about our solar system, stars and galaxies. Astronomy also explores the exciting prospects for future discovery in astronomy including life in the universe and the mysteries that continue to perplex astronomers. The course provides an engaging combination of videos, interactive media, photo galleries and readings so that students can explore the content in a variety of ways. Prerequisites: None High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual

Astronomy A - LI |

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Lincoln

Astronomy B - LI |

In Astronomy, students begin by discussing basic astronomical concepts and discoveries throughout history. They take an in-depth look at the first moments of the universe by studying the Big Bang. From there, they investigate the evolution of the universe, beginning with the first atoms and moving on to explore elements, stars, solar systems, and galaxies. Students gather information to determine if there is a possibility of life on other planets and in other solar systems. Students analyze the major space missions that have led to the modern study of cosmology, and they explore the possibilities of where this field may take scientists in the future.

 $High\ School\ |\ Non-Essential\ |\ Second\ Semester\ |\ MMC\ |\ NCAA\ |\ Platform:\ Lincoln$

Environmental Science - LI — Environmental Science introduces students to the scientific method, terrestrial and aquatic ecosystems, biomes of the world, tropic interactions,
High School Non-Essential Second Semester MMC NCAA Platform: Lincoln
Earth Science B - LI
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Earth Science B - MV
High School Non-Essential First or Second Semester MMC NCAA Platform: Lincoln
Earth Science A - LI In Earth Science A, students discover the theories about how Earth first formed. They explore Earth's history and the different geologic processes that continually take effect and help to shape the planet. Students debate the ways in which human impacts affect the Earth's climate. Earth Science A topics include climate, geologic activity, human impacts, and plate tectonics.
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual
Earth Science A - MV
High School Non-Essential First or Second Semester MMC Platform: Michigan Virtual
Bioethics - $MV \not \approx \square$ Bioethics is a rigorous, one-semester course designed to raise the consciousness of students regarding the social and ethical implications of life science, medicine and technology. This course is for 11th- and 12th-graders who are seeking improvement in their critical thinking skills. It is designed to create complex thinkers capable of using a variety of strategies and higher-order thinking skills appropriate to the resolution of highly controversial medical and technological dilemmas, including the use of animals in medical research and genetic engineering. Prerequisites: None

and nutrient and chemical cycles. Students analyze the human impact on the environment and ways to reduce negative consequences. Students

investigate environmental issues first hand and use their discoveries to make environmental decisions for themselves.

Environmental Scien	ice A - MV 🖳
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This is the first course in a two-course sequence. The course focuses on an introduction to environmental science including understanding the importance of ecosystems, biodiversity, and natural resources. Factors that cause pollution, loss of biodiversity, and resource depletion within ecosystems are also introduced. Prerequisites: None

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

Environmental Science B - MV |

This is the second course in a two-course sequence. Water quality, water diversion, water pollution and water levels are important environmental issues that affect everyone in Michigan. Water is just one of the issues touched on in Environmental Science B. In this course, students will draw conclusions about various environmental issues, including soil and land issues, renewable and non-renewable energy sources, waste, toxicology, environmental health, greenhouse gasses, species extinction, and world population growth. Students will also research an environmental issue of interest. The final exam must be proctored. Prerequisites: Environmental Science A

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

Forensic Science - MV | 🖈 | 💂

This course provides students with a basic introduction to the field of forensic science. Students will discover the various roles and responsibilities associated with a career in forensics. Students will learn basic crime scene analysis skills used by investigators in both the field and lab. In addition, students will be given an overview of the various forms of evidence left by criminals at the scene of the crime as well as the opportunity to apply this knowledge to hypothetical situations. Special focus will be placed on real world application of the knowledge presented to allow students a chance to experience some of what forensic scientists experience on a daily basis. Please note: In some lessons, students will be asked to use household items to recreate the content in the lesson. In such cases, multiple options will be available in an attempt to accommodate the diverse situations of our students. Some examples of materials that may be needed could include but are not limited to, modeling clay, tape, hand tools, etc. Additionally, since this is an online course, students may be asked to provide documentation of their work to ensure authenticity. Typically, this is accomplished by having students provide a digital image of their work. Therefore, students will need to have access to a camera or some form of image capturing device (cell phone, webcam, etc.). Graphic content notification: Due to the nature of this course, some content may be disturbing to some students. Images of dead and decaying bodies, as well as content that involves murder cases, drug overdoses, and sexual assault will be addressed. Prerequisites: None

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

Forensic Science - LI |

Students enrolled in Forensic Science will develop a better understanding of the reality of forensic science, which is often contradicted by the fictional forensic science portrayed in entertainment. Students begin by exploring the history and background of forensic science. They discover several forensic science disciplines, such as pathology, anthropology, toxicology, serology, entomology, and odontology. Students learn and use proper lab practices, which ensure the integrity of any collected organic and inorganic evidence. Students investigate chromatography, spectroscopy, and microscopy techniques. They also explore and survey the impact of DNA analysis and questioned document analysis on forensic science. This course teaches the proper handling of impression evidence, such as shoe print, foot, tire, lip print, firearm, and fingerprint impressions while students examine the analysis of trace evidence, including hair and glass. The course concludes with an exploration into the ways in which forensic science is interconnected with the legal system, as well as what the future holds for forensic science. It includes numerous hands-on labs, including measuring a hypothetical time of death, extracting their own DNA, and analyzing their own fingerprint impressions. Forensic Science is ideal for high school students who are interested in forensic science, biology, law, and/or criminalistics. Students must possess basic spreadsheet, word processing, and presentation software knowledge as a prerequisite. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course. In addition, students must be mature, independent learners and comfortable learning new technology. Please note: The concepts discussed in any forensic science course are intended for mature and responsible students only. Delicate and sensitive concepts related to forensic science will be discussed in a respectful and straightforward manner.

 $High\ School\ |\ Non-Essential\ |\ First\ or\ Second\ Semester\ |\ MMC\ |\ NCAA\ |\ Platform:\ Lincoln$

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Fundamentals	of Ecology	- LI	닏

Fundamentals of Ecology allows students to explore the ways in which organisms interact with their surrounding environments. Students will investigate ecological principles, such as natural selection, population and population dynamics, biodiversity, and the sustainability of ecosystems. Students also analyze major ecological challenges and the different ways society is working to mitigate these challenges.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Lincoln

Medical Terminology - MV| ★ | 💂

This course is designed to introduce the student to the fundamentals of medical terminology. It includes word structure of basic medical/surgical terms and procedures, body parts and organs, selected medical specialties, and commonly used medical abbreviations. Prerequisites: None

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

Medical Terminology 1A - ED |

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences

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

Medical Terminology 1B - ED |

Discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real-world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms. Prerequisites: Medical Terminology 1A

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

Michigan Woods, Water, and Wildlife High - GL |

High School students will be introduced to a variety of natural places, plant-life, and organisms in Michigan. Students will observe, explore, and apply the knowledge of a variety of Michigan places, plant life, and organisms to methods for sustainable management of diverse resources as it relates to wildlife ecology, management, and conservation. This virtual course delivers engaging lessons, assignments, and fun activities.

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

Oceanography A - MV| 🖈 | 💂

This is semester one of a two-semester course in Oceanography. Students receive an introduction to oceanography including the history of marine science, a discussion of the origin of life (including the Big Bang Theory) and its connection to the ocean, an exploration of the energy of life, and an introduction to ocean life including simple life, invertebrates, and vertebrates. Students explore these topics through a variety of content including an etextbook, videos, and interactives. Each lesson includes a quiz or assignment and each unit culminates in a unit project and unit test. Through the lesson assignments and unit projects, students will demonstrate their knowledge in a variety of ways including presentations, creative projects, hands-on activities, writing and more. Prerequisites: None

Oceanography	В-	MV	\star	
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This is semester two of a two-semester course in Oceanography. Students continue the survey of Oceanography begun in Oceanography A course by exploring such topics as air and sea interaction, ocean currents, tides, ecosystems, ocean resources, pollution and conservation. Students explore these topics through a variety of content including an etextbook, videos, and interactives. Each lesson includes a quiz or assignment and each unit culminates in a unit project. Through the lesson assignments and unit projects, students will demonstrate their knowledge in a variety of ways including presentations, creative projects, hands-on activities, writing and more. Prerequisites: Oceanography A

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

Physical Science A - MV |

This is the first semester of a two-semester course. This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives. Prerequisites: None

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

Physical Science A - LI |

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

High School | Non-Essential | First or Second Semester | MMC | NCAA | Platform: Lincoln

Physical Science B - MV |

This is the second semester of a two-semester course. This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives. Prerequisites: Physical Science A

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

Physical Science B - LI |

Physical Science are introduced to the principles of chemistry and physics so that they may develop a better understanding of atoms, chemical reactions, and nuclear interactions. Students explore the properties and states of matter and investigate chemical bonds and reactions. Students will investigate the development of the periodic table, an outline of modern atomic theory, and organic and nuclear chemistry. Additionally, students study Newton's laws of motion while considering the interactions between motion, forces, energy, and thermodynamics. As a prerequisite to Physical Science, students must have completed Algebra I and must possess basic spreadsheet, word processing, and presentation software knowledge.

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

Sports	Medicine	- LI 星
Sports	Medicine	provide

Sports Medicine provides students with basic knowledge of the history of sports medicine, the anatomy of the body, and the common injuries that occur in sports. In addition, the course discusses techniques used in sports medicine to train and strengthen the body, treatments for injury and disease, and proper nutrition for athletes. Students must possess basic word processing and presentation software knowledge as a prerequisite. Completion of one full year of high school Biology is required in order to evaluate the numerous biological concepts present in this course.

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

Survey in Nature II High - GL |

This course is designed for a high school student to become familiar with scientific terminology and methods as they participate in scientific inquiry. Students will apply information learned to hands-on activities. Students will complete weekly assignments, as well as weekly quizzes and a comprehensive test each semester. A variety of topics from nature will be explored. Examples include body systems, forensic science, astronomy, and rocketry, as well as participation in science fair. This course is designed for students to learn about science in a fun and engaging way.

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

African American History - LI |

African American History is a survey course that spans the history of America, including ancient African society and culture through the presidency of Barack Obama. Students examine the African American struggle to secure their constitutional rights. This course explores the powerful and influential role of African Americans in U.S. history.

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

Anthropology (Introduction) - MV | ★ | 💂

The aim of anthropology is to use a broad approach to gain an understanding of the past, present, and future, as well as address the problems humans face in biological, social, and cultural life. This course will explore the evolution, similarity and diversity of mankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change or amazing innovation.

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

Anthropology I: Uncovering Human Mysteries - ED |

What makes us human? Is it our ability to use language, tools, or technology? Trace the history of homo sapiens and explore our evolutionary trail through an anthropologic lens to observe our movement from cave dwellers to modern humans. Learn how we forged our way and developed all of the things that make us humans, such as our cultures, languages, and religions.

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

AP Human Geography A - MV |

In this college level course, students will systematically study the geographic patterns and processes that have shaped our understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences, and will also learn about the methods and tools geographers use in their science and practice. Students will prepare to take the College Board Advanced Placement Human Geography Examination and possibly receive college course credit. This course is rigorous, fast paced, and requires extensive reading and writing. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

AP Human Geography B - MV In this college level course, students will systematically study the geographic patterns and processes that have shaped our understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences, and will also learn about the methods and tools geographers use in their science and practice. Students will prepare to take the College Board Advanced Placement Human Geography Examination and possibly receive college course credit. This course is rigorous, fast paced, and requires extensive reading and writing. Students will learn how to approach both the multiple-choice questions and the free-response questions on the AP Exam. In addition, students will engage in class discussions and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.
High School Non-Essential Second Semester NCAA Platform: Michigan Virtual
AP Macroeconomics - MV
AP Psychology A - MV
High School Non-Essential First Semester NCAA Platform: Michigan Virtual
AP Psychology B - MV

and apply concepts learned to aspects of the real world. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP US Govt and Politics - MV |

This one-semester course will give students an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Regular practice opportunities allow students to gauge their understanding and preparedness before attempting graded quizzes and tests. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

Archaeology: Detectives of Past - MV |

The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on these techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items. Prerequisites: None

CANCELLED-Adventures in European Culture - GL This class looks at key places and events in the cities of London, Paris, Florence, Rome and other key European cities. Through the use of great videos that are available, students will travel to these cities, examine these famous buildings and places, and gain an appreciation for these older cultures. For example, a look into "Big Ben" reveals that it is not just a "big clock" or a "big bell" but rather an important symbol of an even more interesting story. By looking into this story and others like it, students will gain an appreciation for the richness and diversity of our complex American roots.
High School Non-Essential Full Year Platform: GLOBE
Criminology - MV

Criminology isn't about solving cases and catching perpetrators. Criminologists work to understand why crime happens in the first place. They also focus on how to prevent and address crime. As you go through this course, you'll be given a series of challenging situations that need the mindset of a criminologist to navigate successfully. The course will encourage you to analyze a range of criminal acts, from shoplifting to hate crimes. By the end, you'll have an opportunity to envision alternative strategies for dealing with crime in our society and in your own school environment in particular. Prerequisites: None

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

Criminology - ED |

Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. The mental state of a criminal can be affected by many different aspects of life; psychological, biological, sociological, all of which have different perspectives and influences. Investigate not only how these variables affect the criminal mind but also how crimes are investigated and handled in the criminal justice system.

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

Law - LI

In the Law course, students examine citizen obligations to law enforcement, the court system, and the rules and regulations that all Americans are expected to uphold. They explore the terminology and the regulations that structure and control society. Students study different types of crime and the law enforcement powers that are put in place to regulate and diminish overall crime. Students who are interested in a law career will benefit from learning the law and justice terminology presented in this course.

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

Native American History - MV | 💢 |

This course provides an introduction to Native American history in North America and the Caribbean. Students will consider the varied societies Native peoples built before Europeans arrived and the challenges that the arrival of Europeans posed to them. Students will especially focus on the relationship between the United States and Native Americans, particularly as it has been understood by Native Americans themselves in their struggles for land, sovereignty, and identity. Prerequisites: None

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

Philosophy: Big Picture - MV |

This course will take you on an exciting adventure that covers more than 2500 years. Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll read about another man who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you read about them, you'll see where many of the most fundamental ideas of Western civilization came from. You'll also get the chance to ask yourself some of the same questions these great thinkers pondered. At the end, you'll have a better understanding of yourself and the world around you, from atoms to outer space and everything in between. Prerequisites: None

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Political Science - LI — Political Science is an introduction to political science as an academic discipline. Students discover the origin, creation, and function of different political systems within the United States and across the globe. Students explore political theories, such as systems theory and the social contract theory. Additionally, students examine economic concepts, how countries interact with one another, international governmental organizations and nongovernmental organizations, and the role of media in politics while developing skills in research methodology. High School Non-Essential First or Second Semester NCAA Platform: Lincoln
Psychology - MV
Psychology - LI In Psychology, students explore the science of explaining and controlling human behavior. Psychology plays an integral part in everyday life because all decisions, relations, and emotions are closely tied to behavior and genetics. Within this course, students look at behavior, and they consider prominent psychologists who have made impressive and monumental discoveries through testing, research projects, and proving theories. Students study everything from the anatomy of the brain to psychological disorders. High School Non-Essential First or Second Semester NCAA Platform: Lincoln
Sociology - LI

 $High\ School\ |\ Non-Essential\ |\ First\ or\ Second\ Semester\ |\ NCAA\ |\ Platform:\ Lincoln$

Sociology I: Intro to Sociology - MV |

This course provides an overview of sociological theories, methods, and concepts such as culture and socialization, introducing the student to the ways that their lives are affected by the people and social institutions around them. Prerequisites: None

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

Sociology II: Social Problems - MV |

This is the second course in a 2-course series. While Sociology provided an overview of many sociological concepts, Sociology II provides students with a more in-depth look at sociological approaches and how they are applied to social problems. The majority of the units will highlight inequality as a way to focus the student's attention on a particular issue and its potential solutions. Prerequisites: None, but Sociology I is recommended.

World Cultures A - LI World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.
High School Non-Essential First or Second Semester NCAA Platform: Lincoln
World Cultures B - LI World Cultures explains global geography, history, and culture to students. In this course, students study the major political powers of each era and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the

and discover how the world's earliest civilizations developed through the Age of Exploration to the Industrial Revolution. In the second half of the course, students examine a world at war, navigating the Great War, nationalist movements in Russia and Asia, World War II, the Cold War, Third World independence, and struggles for democracy. The course closes with discussions of current global issues such as terrorism, technology, economy, pollution, and renewable energy.

High School | Non-Essential | Second Semester | NCAA | Platform: Lincoln

World Geography A - LI

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

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

World Geography B - LI

In World Geography, students explore the principles and tools of geography while examining the world as geographers. Students gain cultural perspectives by exploring the physical and human geographic aspects of each continent and its regions. This enables students to analyze cultures throughout the world and examine how the global community impacts their lives.

High School | Non-Essential | Second Semester | NCAA | Platform: Lincoln

World Religions: Exploring Diversity - MV |

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities among the major religions and examine the connections and influences they have. Prerequisites: None

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

American Sign Language 1A - MV |

This is the first course in a two-course sequence and focuses on everyday communication in American Sign Language for the Deaf. It introduces students to the basic signs, techniques, and cultural knowledge, which will support the students to start signing beginning level conversational ASL. Each lesson is built upon a familiar topic such as family, self and friends so that students will find meaningful connection to the lessons. Students will be asked to use various media tools including online resources, online dictionaries, a web cam, and the web based audio-visual tool VoiceThread to master the content presented in the course. Students will be producing their own signing videos to demonstrate their learning. The goal of this course is to help develop fundamental ASL skills, and to understand Deafness, knowledge, and interest that students will need to advance to the higher levels of ASL courses.

American Sign Language 1A: Introduction - ED Did you know that American Sign Language (ASL) is the third most commonly used language in North America? Learn introductory vocabulary and simple sentences so that you can start communicating right away. Importantly, explore Deaf culture? social beliefs, traditions, history, values, and communities influenced by deafness.
High School Non-Essential First Semester MMC Platform: eDynamic
American Sign Language 1R - MV

This course is the second in a two-course sequence. Topics addressed in the course include information about the Deaf culture, communication problems associated with deaf individuals, and the linguistic heritage of the Deaf community and its influence on our own culture. The online text includes many videos that include role-playing conversations as well as vocabulary. There will be live sessions using a web cam during which time students will demonstrate a mastery of general sign vocabulary along with producing their own conversations.

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

American Sign Language 1B: Learn to Sign - ED |

The predominant sign language of Deaf communities in the United States, American Sign Language, is complex and robust. Discover more of this language and its grammatical structures through expanding your vocabulary with acquiring hundreds of new signs. Additionally, explore interesting topics like Deaf education and Deaf arts and culture, and learn about careers where you can use your ASL skills.

High School | Non-Essential | Second Semester | MMC | Platform: eDvnamic

American Sign Language 2A - MV |

This is the first course of the second year ASL courses and must be taken after the successful completion of the first year ASL courses. This course continues to focus on everyday communication in ASL by introducing students to the basic signs, techniques and culture. To help develop receptive skills without relying on lip movements of the signers, the signing videos will be all voice off. To develop expressive skills, students will continue to express their thoughts in signs within the given context in the lessons. Through the introduction to some of the higher ASL techniques such as classifiers and indexing, this second year courses is designed to helps students to develop an understanding that ASL is a visual language that delivers one's ideas and thoughts using more than the individual signs. Students will continue to use various media tools including online resources, online dictionaries, a web cam and the web based audio-visual tool VoiceThread to master the content presented in the course.

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

American Sign Language 2A: Communicating - ED |

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimension to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

High School | Non-Essential | First Semester | MMC | Platform: eDynamic

American Sign Language 2B - MV |

This is the second course of the second year of ASL courses. The course continues to focus on useful communication that students should be able to carry out in ASL. Students study the basic signs and phrases, techniques, and cultural nature of the language. This course introduces the students to the new concept of conceptually accurate signing that places emphasis on awareness of differences between ASL and English. Lesson topics shift from the everyday interaction in one's immediate environment to interactions in the community to help students to build signing skills for obtaining and providing information rather than simply exchanging information. To support students build the conceptual accuracy, the lessons stress ASL classifiers; students will be challenged to receptively identify some of the most common classifiers in contexts, and to apply them in their own signing. As a part of culture learning, students will continue to learn more facts about the Deaf culture as well as current and past challenging social issues. The signing videos will be all voice off to help develop students receptive skills without reading lips. Students will continue to produce their own signing videos to demonstrate their learning. The goal of this course is to help utilize the fundamental ASL skills and knowledge into simple interpersonal and social interactions, and to build confidence needed to advance to the higher levels of ASL courses.

American Sign Language 2B: Advancing Communication Skills - ED Ready to dive deeper into learning about the Deaf community, culture, and language? Learn about sequencing, transitions, role-shifts, and future tenses. Discover how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristics of this course.
High School Non-Essential Second Semester MMC Platform: eDynamic
American Sign Language 3A: Community & Culture - ED As you dive into more advanced ASL signing, including unique grammar features and advanced classifiers and locatives, you'll learn, compose, and present your new-found vocabulary and narratives by immersing yourself in Deaf culture and community. From opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. Explore how travel, cultural differences, and geography affect sign language. And gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and

High School | Non-Essential | First Semester | MMC | Platform: eDynamic

American Sign Language 3B: Conversations & Culture - ED |

Are you ready to discover ways in which Deaf culture influences the world in general? After all, the concept of culture goes far beyond an understanding of Deaf history. Through discussing Deaf culture and experiences, you'll advance your signing skills by developing verb tenses, grammar, and syntax. Apply your language skills in real conversation activities and through opportunities to debate real issues. It's also time to explore the next steps in education and career opportunities for your new intermediate ASL skills.

High School | Non-Essential | Second Semester | MMC | Platform: eDynamic

AP Chinese A - MV |

literature.

At this level, students prepare for the Advanced Placement (AP) Chinese Language and Culture Exam. Students continue to develop their integrated skills of listening, speaking, reading and writing, and will be guided to pay more attention to their usages in interactive daily life and formal settings. Meanwhile, students will deepen their knowledge of Chinese culture through Chinese history, Chinese literature and arts. Harvest Shouhuo is the primary textbook used in this course, along with other supplementary materials, such as AP practice test, Chinese stories, newspaper articles and video clips. The course engages the students in an exploration of both contemporary and historical Chinese, including topics as travelling, famous people and history, literature and arts. The course is delivered entirely online in Chinese. Students will acquire more sophisticated linguistic elements to increase their language abilities. Language skills are enhanced through interpretive, interpersonal, and presentational activities. Listening skills are developed during class discussions, listening exercise, watching video clips movies, etc. Reading skills are improved through various readings of essays and articles, newspaper articles, advertisements, biographies, plays, and poetry. Speaking skills are practiced through debates, pair and group discussions, acting from scripts and interview. Written strategies are introduced to guide students organizing the compositions; students practice the written skills through bi-weekly compositions. To help students get familiar with the test format, assignments designed in AP exam format and the previous AP exams are provided. Students are frequently assessed on character-handwriting skill, vocabulary usage, expressive abilities and listening and comprehension skill. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. Prerequisites: Chinese 4A, 4B or equivalent level of Chinese with proficiency of 1600-2000 Chinese words.

AP Chinese B - MV |

At this level, students prepare for the Advanced Placement (AP) Chinese Language and Culture Exam. Students continue to develop their integrated skills of listening, speaking, reading and writing, and will be guided to pay more attention to their usages in interactive daily life and formal settings. Meanwhile, students will deepen their knowledge of Chinese culture through Chinese history, Chinese literature and arts. Harvest Shouhuo is the primary textbook used in this course, along with other supplementary materials, such as AP practice test, Chinese stories, newspaper articles and video clips. The course engages the students in an exploration of both contemporary and historical Chinese, including topics as travelling, famous people and history, literature and arts. The course is delivered entirely online in Chinese. Students will acquire more sophisticated linguistic elements to increase their language abilities. Language skills are enhanced through interpretive, interpersonal, and presentational activities. Listening skills are developed during class discussions, listening exercise, watching video clips movies, etc. Reading skills are improved through various readings of essays and articles, newspaper articles, advertisements, biographies, plays, and poetry. Speaking skills are practiced through debates, pair and group discussions, acting from scripts and interview. Written strategies are introduced to guide students organizing the compositions; students practice the written skills through bi-weekly compositions. To help students get familiar with the test format, assignments designed in AP exam format and the previous AP exams are provided. Students are frequently assessed on character-handwriting skill, vocabulary usage, expressive abilities and listening and comprehension skill. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored. Prerequisites: Chinese 4A, 4B or equivalent level of Chinese with proficiency of 1600-2000 Chinese words.

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

AP French A - MV |

This course is aligned to the Advanced Placement curriculum for French Language and Culture. AP French is designed as an immersion experience requiring the use of French exclusively. The online learning coach uses mostly French to communicate with students and almost all reading, listening, speaking and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP French B - MV |

This course is aligned to the Advanced Placement curriculum for French Language and Culture. AP French is designed as an immersion experience requiring the use of French exclusively. The online learning coach uses mostly French to communicate with students and almost all reading, listening, speaking and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. This course does not include the AP Exam; students can contact their school's AP Coordinator or the College Board to sign up to take the Exam. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

AP Spanish A - MV |

This course is aligned to the Advanced Placement curriculum for Spanish Language. AP Spanish is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course is based on the six themes required by the College Board: Global challenges, Science and technology, Contemporary life, Personal and public identities, Families and communities, and Beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.



This course is aligned to the Advanced Placement curriculum for Spanish Language. AP Spanish is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP Spanish Language and Culture course prepares students for the College Board's AP Spanish Language and Culture exam. It uses as its foundation the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course is based on the six themes required by the College Board: Global challenges, Science and technology, Contemporary life, Personal and public identities, Families and communities, and Beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their own opinions and comments about various topics and comment on other students' posts. The course also makes great use of the Internet for updated and current material. In order to maintain the integrity of AP standards, all AP course midterm and final exams must be proctored.

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

CANCELLED-American Sign Language Beginner High - GL | &

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

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

CANCELLED-American Sign Language Intermediate High - GL |

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

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

CANCELLED-Exploratory French I High - GL |

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

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

Chinese 1A - MV |

This course, the first in a two-course sequence, is designed for students who are new to the Chinese language. In this course, students will work on Chinese pronunciation (Pinyin) system, basic communication competency through conversations about topics such as personal characteristics and appearance, family and friends, information, travel planning, ordering foods in restaurants, discussing class schedules, and identifying directions. With the help of our multimedia e-textbook, students will complete daily learning tasks independently while attend mandatory weekly synchronous lab sessions to elaborate on and clarify their independent learning experience. Prerequisites: None

Chinese 1B - MV	
This course is the second in a two-course sequence. In this course, students will work on basic communication competency through conversations about topics such as exchanging personal and family information, making travel arrangements, ordering foods in restaurants, discussing class schedules, making phone calls, reading maps and reserving rooms in a hotel. With the help of our multimedia e-textbook, students will complete daily learning tasks independently while attend mandatory weekly synchronous lab sessions to elaborate on and clarify their independent learning experience. Prerequisites: Chinese 1A - Mandarin	,
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual	
Chinese 2A - MV	

This course is the first in a two-course sequence and is designed for students who have mastered some basic Chinese knowledge and skills such as pinyin, Chinese character input and 300 Chinese fundamental words either in pinyin or character. This course focuses on taking students from a tentative understanding of Chinese basics to a greater level of sophistication by having students participate in sentence-level conversations about topics such as writing letters/emails, asking directions, asking for help, seeing a doctor, ordering foods, bargaining, talking about hobbies and traffic, and describing cloth wears. Their language learning will be naturally embedded in rich cultural contexts through the multimedia e-textbook. Cultural topics will cover Sichuan opera, Chinese senior center, Natural Scenic Spot of Jiuzhai Valley, Taoism, and Chinese medicine. For this course, students are required to take an hour's language lab per week and interact with their instructor through Blackboard and email for asynchronous learning on the other school days. Prerequisites: One year of high school level Mandarin Chinese

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

Chinese 2B - MV |

This course is the second in a two-course sequence and is designed for students who are able to carry on basic Chinese conversations in real-life situations and read simple dialogues and short paragraphs. In this course, students will continue to consolidate their sentence-level communication competency through communicative task-based learning about topics such as talking about Chinese traditional sports and popular sport matches, purchasing tickets, borrowing/returning books at libraries, talking about favorite music/musical instrument/bands, travelling, hotel check-in, weather and the Spring Festival. They will deepen their knowledge of Chinese cultures by following the multimedia e-textbook to learn about topics such as the Spring Festival customs, Chinese dining etiquette, Chinese garden, Chinese painting and related geographic spots in southeast China. Prerequisites: Chinese 2A - Mandarin

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

Chinese 3A - MV |

This course is the first in a two-course sequence and is designed for students who are able to express themselves in simple Chinese, read short passages, and create simple Chinese dialogues. Throughout the course, students will develop their ability to use more advanced vocabulary and more complex sentence structures to express themselves by accomplishing task- and project- based language learning activities. Curriculum will be focused on describing people's physical distinctions, physical locations/layout of different places, comparing and contrasting different cities, discussing generation gaps, talking about weekend plans, long-term goals, holidays, gifts, recipes, wedding, and hobbies. And related cultural topics are incorporated in each unit to help students form better insights into the cultural differences. Prerequisites: Two years of high school level Mandarin Chinese

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

Chinese 3B - MV |

This course is the second in a two-course sequence and is targeted to students who can infer meaning from contexts and use learned knowledge to conduct fundamental dialogic communication with others in Chinese around the general topics. This course will help students further develop their four major language skills by teaching them to use the key words and sentence structures to make comments on such topics as proposing travel destinations, describing friends, social network and birthday parties, talking about Chinese Kongfu, animal protection, ideal universities and professions. Students will work on a variety of task-based projects that prepare them for more complex Chinese communication and better understanding of the typical Chinese culture. Prerequisites: Chinese 3A - Mandarin

Chinese	4A	- MV	
CHILLICSC	7/1	- 14T A	

This course is the first in a two-course sequence. In this course, students continue to develop their vocabulary and understanding of grammar by focusing on its usage in daily experiences. Cultural study continues to serve as a contextual backdrop of language, but greater emphasis is placed on culture as a subject of study and as a way of understanding China's past and present. In addition, concrete requirements are specified for Chinese Character learning and writing. This course helps students continue their preparation for the Advanced Placement (AP) Chinese Language and Culture Exam administered by the College Board and is taught by a native Chinese instructor. Prerequisites: Three years of high school level Mandarin Chinese

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

Chinese 4B - MV |

This course is the second in a two-course sequence. In this course, students continue to develop their vocabulary and understanding of grammar by focusing on its usage in daily experiences. More formal speech and written-style language will be introduced. Cultural information will be integrated within the teaching of reading, writing, and speaking. In addition, concrete requirements are specified for Chinese Character learning and writing. Students are expected to rely more on characters without Pinyin. This course helps students continue their preparation for the Advanced Placement (AP) Chinese Language and Culture Exam administered by the College Board and is taught by a native Chinese instructor. Prerequisites: Chinese 4A - Mandarin

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

Culinary Kitchen International! High - GL |

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

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

Exploratory Spanish I High - GL |

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

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

French 1A - MV |

In French 1A, students will begin their language-learning journey by gaining the skills needed to talk about themselves and the world around them. The theme for the course is Ma vie (My Life). Students will learn to introduce themselves, share some basic personal information, talk about their family and friends, discuss what they like to do for fun, and describe their daily routine at home and school. Throughout the course, students will follow along on the fictional journey of three students learning French, seeing them in school, at home, and in other parts of their daily lives. French 1A is the first semester of a two-semester course. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is placed on meaningful language use, with grammar being learned implicitly through input and meaning-based activities.

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

French 1B - MV |

French 1B is the second semester of a two-semester course. The class takes a proficiency-based approach which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is placed on meaningful language use, with grammar being learned implicitly through input and meaning-based activities. Prerequisites: French 1A

French 2A - MV \square Salut! Get set for some more adventure! In French II, students are immersed in the French language and culture. This course is full of engaging and interactive videos, dialogs, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading and writing. In French II, students will broaden their French vocabulary and knowledge of grammar. Students will also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the
world. Prerequisites: French 1B
High School Non-Essential First or Second Semester MMC NCAA Platform: Michigan Virtual

French 2B - MV |

Students continue to develop their French skills in semester two. New words and phrases are introduced with pictures, audio clips, and examples. Students learn basic French grammar to help them build fluency and understand the structure of the French language. Students have many opportunities to practice what they learn through interactive practice activities in the form of games, written practice, and listening and speaking exercises. Students also explore the cultures of France, Canada, and other French-speaking regions by learning about geography, foods, celebrations, and traditions from each place. Bon Voyage! Enjoy the trip! Prerequisites: French 2A

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

French 3A - MV |

This course is the first in a two-course sequence. This course is targeted to students that can infer meaning from clues or from prior knowledge, voluntarily ask questions, and use higher level thinking skills. The student is intentionally presented with language they will not understand, with the specific objective of making hypotheses and inferring meaning based on what they do know such as reading body language, facial expressions, and recognizing familiar locations and objects. This kind of discourse resembles the real world in that there is a focus on meaning, a gap in meaning exists, and there is a goal to work towards. Students will interact with partners or with groups to accomplish projects that in verb real-world communication skills in the target language. Web Quests are task-based activities where the students have to perform a task by researching different pre-selected resources. Using authentic documents (text, audio, video, images) in the target language to expose students to the language is a cornerstone in this course. Prerequisites: French 2B

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

French 3B - MV |

This course is the second in a two-course sequence. This course is targeted to students that can infer meaning from clues or from prior knowledge, voluntarily ask questions, and use higher level thinking skills. The student is intentionally presented with language they will not understand, with the specific objective of making hypotheses and inferring meaning based on what they do know such as reading body language, facial expressions, and recognizing familiar locations and objects. This kind of discourse resembles the real world in that there is a focus on meaning, a gap in meaning exists, and there is a goal to work towards. Students will interact with partners or with groups to accomplish projects that in verb real-world communication skills in the target language. Web Quests are task-based activities where the students have to perform a task by researching different pre-selected resources. Using authentic documents (text, audio, video, images) in the target language to expose students to the language is a cornerstone in this course. Prerequisites: French 3A (Middlebury Fluency)

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

French I A - LI

French I is an introductory course designed for students who have little or no previous knowledge of the French language and culture. This course will allow students to acquire the tools necessary for communication and comprehension of the French language. Students explore the global francophone community, and they compare these different cultures to each other and to their own. This course primes students' fluency through various types of communications.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Lincoln

French I B - LI
French II A - LI In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the pass? compos? with avoir and ?tre, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities. High School Non-Essential First Semester MMC NCAA Platform: Lincoln
French II B - LI In French II, students have the opportunity to review some of the structures from French I, but they also build their knowledge of the basic and intermediate French concepts. Students review the present tense of regular and irregular verbs, the pass? compos? with avoir and ?tre, and adjective agreement and placement. Students examine grammatical forms and are challenged to progress in their basic knowledge and speaking capabilities. High School Non-Essential Second Semester MMC NCAA Platform: Lincoln
French III A - LI III III III III III III III III II
French III B - LI III III III III III III III III II

German 1A - MV |

German 1A is the first semester of a two-semester course. In German 1A, students will begin their language-learning journey by gaining the skills needed to talk about themselves and their immediate environment. Students will learn to introduce themselves, share some basic personal information, talk about their family and friends, discuss what they like to do for fun, and describe their daily routine at home and school. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is put on German-speaking cultures around the world, with grammar being learned implicitly through input and meaning-based activities. Throughout the 4 Modules, each containing 3 units, students' language learning is guided by Can Do statements which focus on specific language abilities, such as "I can greet others and introduce myself." Prerequisites: None

German	1B	- MV	ı
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German 1B is the second semester of a two-semester course. In German 1B, students will continue their language-learning journey by gaining the skills needed to talk about themselves, their immediate environment, and German-speaking communities. Students will learn to share some basic personal information about topics including healthy eating habits, family traditions, and pop culture preferences. In addition, students will gather information about a German-speaking community and use this information for a presentation. To prepare for this students will gain the skills necessary to discuss culture, geography, and governments. The class takes a proficiency-based approach, which is informed by current language acquisition research and the ACTFL performance descriptors for novice language learners. A heavy focus is put on German-speaking cultures around the world, with grammar being learned implicitly through input and meaning-based activities. Throughout the 4 Modules, each containing 3 units, students' language learning is guided by Can Do statements which focus on specific language abilities, such as "I can greet others and introduce myself." Prerequisites: Michigan Virtual German 1A or at least 1 semester of introductory German

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

German 2A - MV |

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

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

German 2B - MV |

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

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

Japanese 1A - MV | 💂

This is the first course in a two-course sequence and focuses on the most widely used Japanese syllabic writing system (Hiragana) and greetings and phrases used in everyday communication and contemporary Japanese cultures. Lessons are built upon familiar topics such as self, family, school, and friends to provide meaningful contexts to develop everyday conversation skills. Each lesson is designed to help students learn Hiragana gradually through decoding words and reading to speak conversational expressions. The course includes audio and video learning objects to demonstrate native Japanese speaker's pronunciation, which supports students in building their interpersonal and interpretive fluency in Japanese. This course targets the Novice Level of MI World Language Standards and Benchmarks. Prerequisites: None

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

Japanese 1B - MV | 💻

This is the second course in a two-course sequence. While it continues focusing on practical everyday communication skills and contemporary Japanese cultures, the course introduces the second widely used Japanese syllabic writing system, katakana. Lessons are built upon familiar topics such as self, family, school, and friends to provide meaningful contexts to develop everyday conversation skills. Each lesson is designed to help students learn katakana gradually as students work to master the first syllabic system hiragana through decoding words and reading to speak conversational expressions. The course includes audio and video learning objects to demonstrate native Japanese speaker's pronunciation, which supports students in building their interpersonal and interpretive fluency in Japanese. It is also designed for students to experience and appreciate the third writing system, kanji. This course targets the Novice Level of the Michigan World Language Standards and Benchmarks. Prerequisites: Japanese 1A

Japanese	2A -	MV	
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This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Daily Life, Animals, Activities, The Body and Descriptions), students learn to express themselves using an ever increasing vocabulary, a larger variety of verb tenses and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Cultural information in the course will teach the student about Japanese culture, people, society, and history. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century. Prerequisites: Japanese 1B

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

Japanese 2B - MV |

This course is the second in a two-course sequence. Japanese 2B focuses on more advanced communication skills in the language through activities that involve speaking, writing, listening and reading. Students delve more deeply into various aspects of Japanese culture. Students are exposed to kanji that relate to the topics studied. Most readings are provided in both a basic form and a more advanced format so that students can learn to recognize kanji in context. Students are encouraged to incorporate appropriate kanji in their own writing. Cultural information in the course will teach the student about Japanese culture, people, society, and history. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons, and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century. Prerequisites: Japanese 2A

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

Latin 1A - MV |

This course is the first in a two-course sequence. Building the Via Latina: You are about to build a Roman road, the Via Latina. This road will be the foundation for your study of Latin and the culture of ancient Rome. Famous Romans from the past have agreed to be your supervisors. They will invite you to dinner, regale you with stories from mythology, introduce you to other Romans, show you around their homes, entertain you at the chariot races or the gladiatorial fights, and give you a look at what it meant to be a Roman politically, socially and economically. Your task is to learn Latin, the language of the Romans. So let's start the building process and find out how different and yet how similar our worlds really are. Prerequisites: None

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

Latin 1B - MV |

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

Latin 2A - MV |

This course is the first in a two-course sequence. Welcome, movie star! You will continue your journey to the time of the ancient Romans, but this time you will be the star in our movie, "An Epic of Great Proportion." With your director, your script will include visits with some of the men who made Rome great. From them, you will learn about the Roman government and how Rome grew to rule most of the known world. Your epic movie will also take you back to the Trojan War where you will accompany the Greeks on a great adventure. Study your lines and get ready for "lights, camera, action!" Prerequisites: Latin 1B

Latin	2B	- MV	L	\Box

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

Latin 3A - MV |

This course is the first in a two-course sequence. Take your knowledge and appreciation of Latin to the next level. Read some of the best Latin prose and poetry ever written or spoken. Let Caesar tell you how he conquered the three parts of Gaul. Be moved by the eloquence of Cicero as he reminds Romans of the virtues that made their country great. And marvel at how Catullus could express the deepest human emotions in just a few, well-chosen words. In Latin 3, you will visit our library of great authors. Your library card will give you access to the timeless words of the greatest Roman poets, storytellers and orators. Your skills with the Latin language will give you direct access to the beauty and power of their thoughts. The purpose of this course is to strengthen your Latin vocabulary as well as your appreciation for well-crafted writing. You will go directly to the source and recognize why Latin and those who spoke it are still relevant today. Prerequisites: Latin 2B

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

Latin 3B - MV |

This course is the second in a two-course sequence. Take your knowledge and appreciation of Latin to the next level. Read some of the best Latin prose and poetry ever written or spoken. Let Caesar tell you how he conquered the three parts of Gaul. Be moved by the eloquence of Cicero as he reminds Romans of the virtues that made their country great. And marvel at how Catullus could express the deepest human emotions in just a few, well-chosen words. In Latin 3, you will visit our library of great authors. Your library card will give you access to the timeless words of the greatest Roman poets, storytellers and orators. Your skills with the Latin language will give you direct access to the beauty and power of their thoughts. The purpose of this course is to strengthen your Latin vocabulary as well as your appreciation for well-crafted writing. You will go directly to the source and recognize why Latin and those who spoke it are still relevant today. Prerequisites: Latin 3A

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

Spanish 1A - MV |

This course is the first in a two-course sequence. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity.""

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

Spanish 1B - MV | 🏻

This course is the second in a two-course sequence. The course introduces new words and phrases with pictures, audio clips, and examples. Students learn basic Spanish grammar to help them build fluency and understand the structure of the Spanish language. There are many opportunities to practice through interactive activities in the form of games, written practice, and listening and speaking exercises. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities. Students also explore the cultures of Spain, Cuba, Colombia, and Argentina by learning about geography, foods, celebrations, and traditions from each place. Student bloggers guide students through these countries and help them appreciate and learn about their diversity. Prerequisites: Spanish 1A

Spanish 2A - MV

This course is the first in a two-course sequence. In this course, you'll travel through Central America and the Caribbean spending time in museums, traffic jams and even in the hospital. You'll broaden your Spanish vocabulary and knowledge of grammar and meet people from many different countries and cultures. You'll also meet some Spanish-speaking people from different parts of the United States. Experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Spanish 1B

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

Spanish 2B - MV |

This course is the second in a two-course sequence. In this course, you'll travel through Central America and the Caribbean spending time in museums, traffic jams and even in the hospital. You'll broaden your Spanish vocabulary and knowledge of grammar and meet people from many different countries and cultures. You'll also meet some Spanish-speaking people from different parts of the United States. Experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. Prerequisites: Spanish 2A

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

Spanish 3A - MV |

This course is the first semester in a full year of Spanish III. Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, students will improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. The purpose of this course is to provide the students with many experiences where they can use their Spanish. Completely immersed in Spanish, they will speak, listen, read, write, and collaborate with other students in this course. They will also gain knowledge and perspectives about Spanish speaking countries and from Spanish speaking people. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule three live speaking assessments during the course. Prerequisites: Successful completion of Spanish II or equivalent.

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

Spanish 3B - MV |

This course is the second semester in a full year of Spanish III. Dive into the rich diversity of Hispanic culture across the globe by exploring the tastes, sights, and sounds of this dynamic language that reflects triumph, struggle, celebration, and so much more. During this cultural journey, students will improve conversational, vocabulary, and writing skills through authentic tasks. Short of obtaining a passport, there is no better way to discover new lands, peoples, or experiences. The purpose of this course is to provide the students with many experiences where they can use their Spanish. Completely immersed in Spanish, they will speak, listen, read, write, and collaborate with other students in this course. They will also gain knowledge and perspectives about Spanish speaking countries and from Spanish speaking people. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Successful completion of Spanish 3A or equivalent.

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

Spanish 4A - MV |

This is the first semester of a two semester course in Spanish 4. The main objective of the Spanish IV course is to develop student's interpersonal communication skills in Spanish. The fundamental objective is for the students to achieve a high level of ability in listening, speaking, reading and writing. In this course students develop a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. This objective is achieved through highly engaging course content and interactive simulations, which give students ample opportunities throughout the course to integrate reading, writing, and speaking. Students are exposed to literature, historical and current events of Spanish-speaking countries through authentic newspapers and magazines, music, movie, radio and television productions, literary texts, and virtual visits online. Students will also use Spanish to access information and to compare and contrast cultural elements of Spanish-speaking countries with their own. Content and assignments are presented in the target language. Grammar concepts are presented in English also. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Spanish 3 or equivalent

Spanish	4B	- MV	
Spanisn	TD	- TAT A	

This is the second semester of a two semester course in Spanish 4. The main objective of the Spanish IV course is to develop student's interpersonal communication skills in Spanish. The fundamental objective is for the students to achieve a high level of ability in listening, speaking, reading and writing. In this course students develop a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentational speaking and writing practice, and aural comprehension skills through quality, authentic, and level-appropriate audio and video recordings. This objective is achieved through highly engaging course content and interactive simulations, which give students ample opportunities throughout the course to integrate reading, writing, and speaking. Students are exposed to literature, historical and current events of Spanish-speaking countries through authentic newspapers and magazines, music, movie, radio and television productions, literary texts, and virtual visits online. Students will also use Spanish to access information and to compare and contrast cultural elements of Spanish-speaking countries with their own. Content and assignments are presented in the target language. Grammar concepts are presented in English and Spanish. Students are required to contact their instructor to schedule two live speaking assessments during the course. Prerequisites: Spanish 4A

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Spanish I A - LI |

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Lincoln

Spanish I B - LI |

Spanish I provides students with a strong foundation of the Spanish language and its cultural influences. From pronunciation to basic grammar and practical vocabulary, students gain a fundamental understanding of written and conversational Spanish. Students practice pronunciation sounds, greetings and introductions, questions, and present-tense verb conjugation. Students learn how to describe people, school, and pastime activities in addition to likes and dislikes. Spanish I presents information in a fun, interesting format that promotes learning and draws a link between the classroom and real-world situations.

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

Spanish II A - LI |

Spanish II is the next course in the Spanish sequence, and this course introduces complex grammatical components, such as reflexive verbs and the present progressive, preterite, and imperfect tenses, along with idiomatic expressions unique to the Spanish language. Building on an ever-growing lexicon, students incorporate concepts to form questions, express preferences and possession, discuss the past, and describe and compare people, places, and locations. Spanish II continues to build a foundation for students in their pursuit to learn and master the Spanish language.

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Spanish II B - LI |

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

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In Spanish III, students acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. This course allows students to increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students describe, analyze, summarize, and explain ideas verbally and in writing using the Spanish language.

High School | Non-Essential | First Semester | MMC | NCAA | Platform: Lincoln

Spanish III B - LI |

In Spanish III, students acquire a more extensive topical vocabulary while gaining a higher understanding of complex grammatical structures, verb applications, and idiomatic expressions. This course allows students to increase their reading and listening comprehension as well as their fluency in speaking and writing in Spanish. Students describe, analyze, summarize, and explain ideas verbally and in writing using the Spanish language.

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

High School

Project Based Course Descriptions