



# **MICHIGAN INTERNATIONAL PREP SCHOOL**

**MIDDLE AND HIGH SCHOOL  
COURSE CATALOG  
2021-2022**

Welcome to Michigan International Prep School, or MIPS for short. We are excited to help you on your educational journey. Our goal is to facilitate your learning as much as we can. If you have a question, concern, or need, please let us know so we can identify solutions together. If there are other courses that you're curious about, please reach out to our Director of Curriculum and Instruction, Stephanie Elder, at [elder@miprepschool.org](mailto:elder@miprepschool.org). We are always looking to expand how we serve our students.

For additional school information about grading, graduation requirements, etc., please click [here](#) to open the MIPS Student Handbook.

In addition to the courses listed in this document, a student may potentially dual enroll at any college or university in Michigan. Eligibility for this is based upon progress and academic preparation. Please reach out to Lucas Peless, our Executive Director of College and Career, at [peless@miprepschool.org](mailto:peless@miprepschool.org), for more information.

At MIPS, we use the following curriculum providers, also known as Learning Management Systems (LMS) in our secondary program.

- Edmentum for standard grades 6-12.
- Edgenuity for students in grades 9-12 with approval.
- iReady is a computer-adapted, prescriptive course that focuses on the base standard level to identify gaps and remediate instruction.
- IXL for both supplemental instruction.
- myLexia Learning Suite (Rapid Assessment and PowerUp) for a more extensive reading assessment tool as well as intervention for students with reading challenges.
- Prepworks for our junior/senior level SAT preparation course in conjunction with Xello which is our career/college preparation program.





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# BOARD OF EDUCATION OVERVIEW

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Charles Carver	Director Program Advancement

## CURRICULUM

Stephanie Elder	Director Curriculum and Instruction
Christopher Card	Director of the Arts

## VISION STATEMENT

To create a 21<sup>st</sup> Century education that challenges and motivates all students to become tomorrow's model global workforce and community leaders.

## MISSION STATEMENT

To provide a 21<sup>st</sup> century education that taps into the affinity of each student so they will achieve their maximum potential, will be prepared to succeed in the global economy and will become self-directed lifelong learners.





# CURRICULUM OVERVIEW

The courses in this document are broken down by the following grade bands:

- [High School - 9-12](#)
- [Middle School - 6-8](#)

**Courses marked with an \*\* are required courses to complete the Michigan Merit Curriculum (MMC)**

If the course is worth 1 credit, then there are multiple parts (A and B) that need to be finished for the total credit or just the one part to earn half a credit.

Specific information related to the number of courses required is included after each course heading, if applicable.

Decision on which classes to take will be made in conjunction with a student's mentor following their Educational Development Plan (EDP) and the work they will do in the Xello program each year. Xello is designed to help students explore interests, possible careers, colleges, etc. as they plan for their future.

A guardian or student if over 18 may request accommodations to the traditional MMC through what is known as a personal curriculum. More information about PCs can be found [here](#). If there are questions, please reach out to the Director of Curriculum and Instruction for more information.





# ENGLISH LANGUAGE ARTS

- Four Credits are required to complete this section. The classes listed are those four. If you would like an additional English based class as an elective, see the [High School Electives](#) section.

Course Title & Description	Total Credit
<b>English 9**</b>	1
English 9 introduces the elements of writing poems, short stories, plays, and essays. Grammar skills are enhanced by the study of sentence structure and style and by student composition of paragraphs and short essays. Topics include narration, exposition, description, argumentation, punctuation, usage, spelling, and sentence and paragraph structure.	
<b>English 10**</b>	1
This course focuses on using personal experiences, opinions, and interests as a foundation for developing effective writing skills. Skills acquired in English I are reinforced and refined. Literary models demonstrate paragraph unity and more sophisticated word choice. A research paper is required for completion of course. Topics include grammar, sentence and paragraph structure, organizing compositions, and the research paper.	
<b>English 10**</b>	1
This course focuses on using personal experiences, opinions, and interests as a foundation for developing effective writing skills. Skills acquired in English I are reinforced and refined. Literary models demonstrate paragraph unity and more sophisticated word choice. A research paper is required for completion of course. Topics include grammar, sentence and paragraph structure, organizing compositions, and the research paper.	
<b>English 11**</b>	1
English 11A explores the relation between American history and literature from the colonial period through	

<p>the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era, and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.</p>	
<b>English 12**</b>	1
<p>In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.</p>	
<b>Reading HS</b>	.5-3
<p>This course combines adaptive diagnostic assessment with individualized learning pathways to promote growth for students. As students need reading support, this course helps build the foundational skills they may be lacking. This course includes live skill-based group and/or individual sessions with our Reading Interventionist.</p>	
<b>MyLexia Reading</b>	.5-1
<p>When students are shown to be in need of additional reading support, we will use the Lexia Rapid Assessment to diagnose their struggles more deeply. Then, we have them work with our Reading Specialist through the MyLexia Reading program using PowerUP to help close the gaps.</p>	



# MATHEMATICS

- Students are required to have four years of mathematics instruction.
  - They must have a math course in their final year of school.
- Students must have Algebra I, Geometry, and Algebra II plus one more elective
  - Reach out to your mentor if there are issues with Algebra II because a Personal Curriculum (PC) may be necessary to support you best.
- Any of the other math classes listed in this section will count for that fourth math class.

Course Title & Description	Total Credit
<b>Algebra I**</b>	1
<p>This course advances the ability of students to think algebraically, taking them from middle school work with variables and linear equations to the exploration of non-linear function types and more advanced calculations with variable expressions. Students will work with expressions, equations, inequalities, and functions. The course places considerable emphasis on identifying key features of functions in various forms, such as graphs, tables, and equations. It also fosters an understanding of functions as relationships that help people in many walks of life calculate and plan. The course brings these concepts to students in many forms, including interactive graphing, videos of solving problems, and many practice items.</p>	
<b>Algebra II**</b>	1
<p>This course advances students' ability to think algebraically, taking their earlier work with linear, exponential, and quadratic equations and expanding on it with polynomials and more advanced equation types. Students will work with rational, radical, logarithmic, inverse, and piecewise functions. They will also extend their studies to include systems of equations and inequalities, trigonometry, complex numbers, and statistics. The course emphasizes using these algebraic concepts to solve problems and help people in many walks of life. The course employs many tools to teach students these concepts, including interactive graphing, videos that walk through problems, and many practice items.</p>	
<b>Algebra II B PBL**</b>	1
<p>This unique Algebra IIB experience has students taking part in two major semester projects; Simpocalypse, a project based on the creation and mitigation of a contagious disease (a study in statistics, simulated through the Simpocalypse app) and Carnival Tycoon, a study in probability, where students design, build, test, and refine carnival games with an emphasis on expected value and profitability. This course also includes a</p>	

3-week unit on the basics of trigonometric functions.	
<b>Concepts in Probability &amp; Statistics</b>	1
This full-year high school course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus. The first half of the course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, students create and analyze scatter plots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets.	
<b>Consumer Math</b>	.5
This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.	
<b>Financial Math</b>	1
Financial Math is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.	
<b>Geometry**</b>	1
A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences.	
<b>Integrated Math I A</b>	.5
This course will begin with algebra. Students will build on their understanding of single-variable and two-variable expressions, equations, and inequalities. Students will also learn how to write equations and inequalities to represent and solve word problems.	
<b>Integrated Math I B</b>	.5
In this course students will explore the connections between algebra and geometry. They will learn about functions and use them to solve real-world math problems. Students will study data collection methods and	

use different types of data plots to represent and analyze statistical data. They will also learn geometric theorems and rules, write proofs to support them and explore congruence and similarity of triangles.	
<b>Integrated Math II A</b>	.5
This course begins with polynomial expressions, including rational expressions. Students will learn about quadratic equations and inequalities and solve them to find answers to real-world math problems. They will use this knowledge to examine polynomial functions.	
<b>Integrated Math II B</b>	.5
In this course students will continue to explore the connections between algebra and geometry. They will learn more about functions and how to use them to solve real-world math problems. Students will study data collection methods and use different types of data plots to represent and analyze statistical data. They will also learn geometric theorems and rules, write proofs to support them and explore congruence and similarity of triangles.	
<b>Integrated Math III A</b>	.5
Beginning with the simplification of rational and polynomial expressions, Semester A takes students through the next steps in mastering the principles of integrated math. This two semester-long course focuses on meeting Common Core objectives with engaging and interactive content.	
<b>Integrated Math III B</b>	.5
This two semester-long course focuses on meeting Common Core objectives with engaging and interactive content. Semester B begins with the derivation of the trigonometric formula for the area of a triangle, and proceeds through the use of functions and on developing the critical thinking skills necessary to make logical and meaningful inferences from data.	
<b>Math Resource Room 1 (Projected Area of Focus: Pre-algebra)</b>	.5-1
The Math Resource Room is a two semester, 1 credit course offered to students with IEPS. In the Math Resource Room 1 Course, students will join weekly virtual sessions using Google Meets. During these weekly sessions, the students will receive additional support from a Special Education Math Instructor in a small group setting. The students' learning will be reinforced with additional modeling and explanations of new and previously taught concepts. This course is driven by student's individual needs and goals, where the Special Education Math Instructor will introduce strategies to promote solidification of math skills.	
<b>Math Resource Room 2 (Projected Area of Focus: Algebra 1)</b>	.5-1
The Math Resource Room is a two semester, 1 credit course offered to students with IEPS. In the Math Resource Room 2 Course, students will join weekly virtual sessions using Google Meets. During these weekly sessions, the students will receive additional support from a Special Education Math Instructor in a small group setting. The students' learning will be reinforced with additional modeling and explanations of new and previously taught concepts. This course is driven by student's individual needs and goals, where the Special Education Math Instructor will introduce strategies and tools to promote solidification of math	

skills.	
<b>Math Resource Room 3 (Projected Area of Focus: Algebra 2)</b>	.5-1
The Math Resource Room is a two semester, 1 credit course offered to students with IEPs. In the Math Resource Room 3 Course, students will join weekly virtual sessions using Google Meets. During these weekly sessions, the students will receive additional support from a Special Education Math Instructor in a small group setting. The students' learning will be reinforced with additional modeling and explanations of new and previously taught concepts. This course is driven by student's individual needs and goals, where the Special Education Math Instructor will introduce strategies to promote solidification of math skills.	
<b>Math Resource Room 4 (Projected Area of Focus: Geometry)</b>	.5-1
The Math Resource Room is a two semester, 1 credit course offered to students with IEPs. In the Math Resource Room 4 Course, students will join weekly virtual sessions using Google Meets. During these weekly sessions, the students will receive additional support from a Special Education Math Instructor in a small group setting. The students' learning will be reinforced with additional modeling and explanations of new and previously taught concepts. This course is driven by student's individual needs and goals, where the Special Education Math Instructor will introduce strategies to promote solidification of math skills.	
<b>Personal &amp; Family Finance</b>	.5
How do personal financial habits affect students' financial futures? How can they make smart decisions with money in the areas of saving, spending, and investing? This course introduces students to basic financial habits such as setting financial goals, budgeting, and creating financial plans. Students learn about topics such as taxation, financial institutions, credit, and money management. The course also addresses how occupations and educational choices can influence personal financial planning, and how individuals can protect themselves from identity theft.	
<b>Personal Finance</b>	.5
Financial literacy is an increasingly essential capability as students prepare for the workforce, and this course provides the information they need to determine if a career in finance is right for them. The course uses games and online discussions to effectively facilitate learning, while introducing your learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance.	
<b>Physics/Algebra I</b>	2
This course is a project-based course using physics as the context for teaching Algebra I concepts. In this course students will be engaged in guided inquiry as well as small and large-scale projects. This is a hybrid course covering standards from Algebra I as well as Physics. Upon passing this course, 1 science credit and 1 mathematics credit will be granted.	
<b>Pre-Calculus</b>	1
Precalculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and	

<p>their graphs. Precalculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.</p>	
<b>Probability &amp; Statistics</b>	.5
<p>This course is designed for students in grades 11 and 12 who may not have attained a deep and integrated understanding of the topics in earlier grades. Students acquire a comprehensive understanding of how to represent and interpret data; how to relate data sets; independent and conditional probability; applying probability; making relevant inferences and conclusions; and how to use probability to make decisions.</p>	
<b>Statistics</b>	1
<p>This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.</p>	





# SCIENCE

- 3 years of science are required for completing this section.
- Students are required to take Biology and either Chemistry or Physics (if planning on a four year college) or Integrated Physics and Chemistry (if not planning on four year college).
  - The third option can come from any of the other courses in this section.
  - There are other science-based electives that you can choose as you are interested but they don't count for the specific science credits.

Course Title & Description	Total Credit
<b>Anatomy (generally combined with physiology)</b>	.5
<p>In this course students will explore the anatomy or structure of the human body. In addition to learning anatomical terminology, students will study the main systems of the body- including integumentary, skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. In addition to identifying the bones, muscles, and organs, students will study the structure of cells and tissues within the body.</p>	
<b>Biology (with virtual labs)**</b>	1
<p><b>Biology with Virtual Labs A/B</b>            This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems.</p> <p>Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation.</p> <p>Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.</p>	

<b>Chemistry**</b>	1
<p>This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter.</p> <p>It also addresses additional concepts and standards typically included in a full-year high school chemistry course, including molar concentrations, acid-base reactions, advanced stoichiometry, gas laws, and organic compounds. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).</p>	
<b>HS College Prep Chemistry A</b>	.5
<p>This is the first semester of a course designed to prepare students to take a higher-level chemistry course, either at the AP level or in college. In this semester of the course we will study a variety of fundamental chemistry topics, including but not limited to: matter, measurements, atomic structure &amp; theory, the Mole, the periodic table, bonding, chemistry nomenclature and chemical Reactions. These various concepts will be taught thoroughly, and they will be reinforced by hands-on (where possible) and virtual laboratory activities. When you leave this class, you will be well prepared to tackle the next level of chemistry study which in the case will be College Prep Chemistry B.</p>	
<b>HS College Prep Chemistry B</b>	.5
<p>This is the second semester of a course designed to prepare students to take a higher-level chemistry course, either at the AP level or in college. In this semester of the course we will study a variety of fundamental chemistry topics, including but not limited to: stoichiometry, thermochemistry, state of matter, equilibrium, solutions and acids vs. bases. These various concepts will be taught thoroughly, and they will be reinforced by hands-on (where possible) and virtual laboratory activities. When you leave this class, you will be well prepared to tackle the next level of chemistry study.</p>	
<b>High School Earth &amp; Space Science</b>	1
<p>This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources.</p> <p>Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).</p>	

*Lab materials note: Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, and a water testing kit. These few specialized labs are optional but provide valuable laboratory experience. Ask your mentor if you would like this kit.*

## **Environmental Science**

1

This course is designed to introduce students to the history of environmental science in the United States, ecological interactions and succession, environmental change, adaptation, and biogeochemical cycles. Students will learn about the importance of environmental science as an interdisciplinary field. They will describe the importance of biodiversity to the survival of organisms, and learn about ecological pyramids. They will discuss the effects of climate change and explore different types of adaptation. They will describe the steps of the water cycle, and discuss how carbon, oxygen, nitrogen, and phosphorus cycle in the global environment.

## **Integrated Physics & Chemistry A & B**

1

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving.

Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

## **Introduction to Marine Biology**

.5

This course is designed to introduce students to oceanic features and processes, ocean habitats and ecosystems, life forms in the ocean, and different types of interactions in the ocean. Students will learn about the formation and characteristic features of the oceans. They will learn about the scientific method and explore careers available in marine biology. They will learn about the characteristic features of different taxonomic groups found in the ocean. They will learn about the different habitats, life forms, and ecosystems that exist in the oceans and explore the different types of adaptations marine creatures possess to survive in the ocean. They will learn about succession and the flow of energy in marine ecosystems. They will also learn about the resources that the oceans provide and the threats that the oceans face from human activities.

## **Introduction to Veterinary Science**

.5

This course is designed to introduce all students at the high school level to the fundamentals of veterinary science, measures to control diseases in animals, and the impact of toxins and poisons on animal health. The students will explore the history of veterinary science and the skills and requirements for a successful career in the veterinary industry. They will also explore the physiology and anatomy of animals, learn how to evaluate animal health and determine effective treatments for infectious and noninfectious diseases in animals. Additionally, they will learn about zoonotic diseases, and the impact of toxins and poisons on animal

health.	
<b>Physical Science</b>	1
<p>This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves.</p> <p>Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).</p> <p>Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.</p>	
<b>Physics**</b>	1
<p>Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics.</p> <p>Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.</p>	
<b>Physiology (generally combined with anatomy)</b>	.5
<p>In this course, students will examine the functions of the body's biological systems—including skeletal, muscular, circulatory, respiratory, digestive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems.</p>	



# SOCIAL STUDIES

- Students are required to complete 3 credits of Social Studies as follows:
  - US History (1)
  - World History (1)
  - Government/Civics (.5)
  - Economics (.5)

Course Title & Description	Total Credit
<b>Civics</b>	1
Interactive, problem-centered, and inquiry-based, each unit in Civics emphasizes the acquisition, mastery, and processing of information. Every unit features both factual and conceptual study questions, Instructional strategies include Socratic instruction, student-centered learning, and experiential learning. Topics covered range from Basic Concepts of Power and Authority and National Institutions of Government to analyses of society and citizenship.	
<b>Economics**</b>	.5
This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.	
<b>Michigan World History and Geography**</b>	1
Michigan high school students taking this course will get a true survey of world history. Beginning with the study of early human societies and the invention of agriculture, this course takes the students on a journey through time, from ancient societies up through the modern era. This course employs many interactive features like maps and images with clickable hotspots that students can explore to get more information about things such as regions, cities, and geographical features on a map and artistic techniques and features in famous works of art. Best of all, this course is aligned to the Michigan state standards of learning and to the English Language Arts (ELA) Standards for History and Social Studies.	
<b>US Government**</b>	.5

<p>The interactive, problem-centered, and inquiry-based units in the U.S. Government emphasize the acquisition, mastery, and processing of information. Units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.</p>	
<b>US History**</b>	1
<p>This course not only introduces students to early U.S. History, but it also provides them with an essential understanding of how to read, understand, and interpret history. For example, the first unit, The Historical Process, teaches reading and writing about history; gathering and interpreting historical sources; and analyzing historical information. While covering historical events from the founding events and principles of the United States through contemporary events, the course also promotes a cross-disciplinary understanding that promotes a holistic perspective of U.S. History.</p>	
<b>World History**</b>	1
<p>In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance, the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.</p>	



# VISUAL & PERFORMING ARTS (VPAA)

- Students must have at least 1 credit from this category; Courses under the CTE heading also may count for your VPAA credit.
  - If a student is not completing two years of the same foreign language, then they must have 2 credits from this category
    - This only applies to students who are in 10th grade during the 2019-2020 school year.

Course Title & Description	Total Credit
<b>Advanced Piano Study</b>	.5
Advanced piano is for students that have typically studied piano for 7+ years and have an aptitude and dedication for performing advanced repertoire with 1 on 1 lessons from expert piano instructors. Students must be able to demonstrate mastery of the fundamentals of piano to be placed in this course. Advanced piano students will be expected to perform in a public recital at the end of the year.	
<b>Advanced Voice Study</b>	.5
Advanced Voice Study is for students that have had at least 4 years of voice lessons and can demonstrate mastery of the fundamentals of vocal technique. Advanced Voice students will receive training in advanced vocal technique from expert instructors in 1on1 virtual lessons, with the opportunity to take in-person lessons. Advanced Voice students will be expected to perform in a public recital at the end of the year.	
<b>Appreciating Music 1A</b>	.5
If you enjoy listening to music this course is for you! The purpose of Appreciating Music is to increase students' musical awareness and give them the tools to actively listen to, discuss, and critique various styles of modern-day music such as Pop, Rock, R&B, Country, and other styles. By the end of this course, students will have an increased understanding and appreciation for how music impacts people and will have studied modern-day music of different styles.	
<b>Appreciating Music 1B</b>	.5
Appreciating Music 1B builds on the material covered in the first semester. During this semester students will	

study the music of various world cultures and learn more about the development of music throughout history.	
<b>Art History &amp; Appreciation</b>	.5
This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.	
<b>Art in World Cultures</b>	.5
Who is the greatest artist of all time? Is it Leonardo daVinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? You will learn about some of the greatest artists while also creating art of your own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.	
<b>Audio Engineering</b>	1
In this course students will learn the basics of audio engineering; audio recording, multi-track mixing, and mastering. Students will use a digital audio workstation (DAW) to create a professionally produced mix of a live local band. In section B of the course the students will delve into deeper concepts and further develop their skills in audio engineering. They will also learn how to create professionally mixed audio podcasts. (This course is limited to 10 students per semester).	
<b>Guitar 1 &amp; 2</b>	.5-4
Guitar 1 is a synchronous course for students that have little to no experience at playing guitar but would like to learn the fundamentals. Students in this course will receive instruction from video lessons, a weekly Zoom class and weekly 1on1 virtual lessons from expert instructors.	
<b>Beginning Piano</b>	1
If you want to learn to play the piano or have 1-3 years of lessons then Beginning Piano is for you! Students in this course will be trained on the fundamentals of the piano through video instruction lessons as well as occasional 1on1 virtual lessons with expert piano instructors. Beginning Piano students will have the optional opportunity to perform in a public recital at the end of the year.	
<b>Vocal Techniques</b>	.5
If you want to become a better singer then Voice Study is for you! Students in this course will be trained on the fundamentals of vocal technique through video instruction lessons as well as occasional 1on1 virtual lessons with expert voice instructors. Voice students will have the optional opportunity to perform in a public recital at the end of the year.	



<b>Cosmetology</b>	.5
Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.	
<b>Culinary Arts A</b>	.5
Culinary Arts, Semester A, is a one-semester course that is intended to help you gain an understanding of the history and development of the culinary arts. This course covers the basics of nutrition; and health, safety, and sanitation. In addition, the course explains the basic science principles used in cooking and various cooking methods. Finally, the course describes culinary skills required to make a variety of items, ranging from stocks and soups to seafood and poultry to various breads and desserts.	
<b>Culinary Arts B</b>	.5
Culinary Arts, Semester B, is a one-semester course that is intended to help you gain an understanding of menu planning, food presentation, and different service styles. This course covers the running of food service establishments and kitchen management skills. In addition, the course explains the personal skills and professional traits needed in the food service industry. Finally, the course covers career opportunities and career management skills.	
<b>Digital &amp; Interactive Media</b>	.5
This one-semester course is intended as a practical, hands-on guide to help you understand the concepts of digital and interactive media. This course will cover careers, training, and emerging technologies in digital media. This course familiarizes you with the concepts involved in digital media, such as graphic design, digital photography, principles of design, and digital printing. This course also covers copyright laws and fair use involved in digital media.	
<b>Digital Photography I: Creating Images with Impact</b>	.5
Digital Photography I focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students use basic techniques of composition and camera functions to build a personal portfolio of images, capturing people, landscapes, close-ups, and action photographs.	
<b>Digital Photography II: Discovering your Creative Potential</b>	.5

<p>In this course, we examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas in which professional photographers may choose to specialize, such as wedding photography and product photography. Students also learn about some of the most respected professional photographers in history and how to critique photographs in order to better understand what creates an eye-catching photograph.</p>	
<b>Fashion &amp; Interior Design</b>	.5
<p>Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.</p>	
<b>Intermediate Piano</b>	.5-4
<p>Intermediate Piano is for students that are ready for instruction that goes beyond the fundamentals of piano. Typically students in their 3rd or 4th year of piano study will be ready for Intermediate Piano. Students in Intermediate Piano will receive regular 1on1 virtual lessons with expert piano instructors in addition to receiving instruction through videos. Intermediate piano students will be expected to perform in a public recital at the end of the year.</p>	
<b>Introduction to Culinary Arts</b>	.5
<p>Food is fundamental to life. Not only does it feed our bodies, but it's often the centerpiece for family gatherings and social functions with friends. In this course, you will learn all about food including food culture, food history, food safety, and current food trends. You'll also learn about the food service industry and try your hand at preparing some culinary delights. Through hands-on activities and in-depth study of the culinary arts field, this course will help you hone your cooking skills and give you the opportunity to explore careers in this exciting industry.</p>	
<b>Introduction to Fashion Design</b>	.5
<p>From Components of Fashion to Haute Couture to Production, this course is focused on the practical aspects of career preparation in the fashion design industry. The 17 lessons in the course provide students with both breadth and depth, as they explore the full gamut of relevant topics in fashion design. Online discussions and course activities require students to develop and apply critical thinking skills while the included games appeal to a variety of learning styles and keep students engaged. Fascinating and practical, Introduction to Fashion design will appeal to, and enrich, many of your students.</p>	
<b>Introduction to Visual Arts</b>	.5

<p>This course is designed to enable all students at the high school level to familiarize themselves with different types of visual arts. The students will explore units in: Creativity and Expression in Art, Elements of Art, History of Art, Cultural Heritage of Art, Drawing, Printing, Painting, Graphic Design and Illustration, and Multimedia.</p>	
<b>Music Theory 1A</b>	.5
<p>This course is for students that want to understand how music is constructed. Key elements of MIPS Music Theory courses are the development of the musical ear through Ear Training Exercises and training in writing music. This first semester of Music Theory introduces the 7 elements that make up all music (rhythm, melody, harmony, dynamics, tone quality, texture, and form).</p>	
<b>Music Theory 1B</b>	.5
<p>The 2nd semester of Music Theory 1 builds on the foundation of the first semester. Students will take the next steps of deepening understanding the 7 musical elements and further develop ear training and song writing skills.</p>	
<b>Senior Project</b>	1
<p>The Senior Project is a vehicle that allows students to use the knowledge and skills they have acquired throughout high school for real-world application. This course is designed to meet the Michigan Department of Education graduation VPAA requirements which include performance, creation, analysis in context and of connections between art disciplines. In this course, students will learn about the art of effective communication, graphic design, digital presentation, an understanding of audience and historical context. The final exam for this course is a culminating project which ends with a live presentation to the teacher and a team of relevant MIPS staff. It has the potential to motivate the student, connect the school with the community, and create pathways from school to career.</p>	
<b>Theater, Cinema, &amp; Film Production</b>	.5
<p>This course explores what goes into the making of a theater and film production. The course has 14 lessons that focus on the pre-production, production, and post-production stages of theater and film productions. Students will be introduced to theater and film, and their different genres and subgenres. They will also learn about roles and responsibilities of the cast and crew, including the director, actors, screenplay writers, set designers, wardrobe stylists and costume designers, and makeup artists. The course also covers technical aspects, such as lighting and sound. Students will also learn about the influence of the audience on theater, cinema, and film production. The course combines a variety of content types, including lessons, activities, discussions, and games to keep students engaged as they discover the world of theater, cinema, and film production.</p>	
<b>Video Production</b>	.5-1
<p>Students taking this course will learn the basics of recording video, importing the video into a computer, and creating a professional final product. This project-based course will have students working toward the goal of</p>	

producing a 10-minute MIPS documentary as a final product at the end of the semester. Students in part A of the course will be issued a MacBook Air and will be using iMovie. Students in Part B of the course will also be issued a MacBook Air, but will be transitioning to Final Cut Pro by the end of the semester. (This course is limited to 10 students per semester).



# WORLD LANGUAGE

- Depending upon a student's graduation year, students must complete two years of the same foreign language.
  - ASL is a world language
- If a student begins (will begin) high school (freshman year) in 2020-2021, they are eligible to take only one year of the same foreign language. The other credit may come from an additional credit utilizing the VPAA or CTE courses.

Course Title & Description	Total Credit
<b>Spanish I</b>	1
Spanish is the most spoken non-English language in U.S. homes, even among non-Hispanics, according to the Pew Research Center. There are overwhelming cultural, economic, and demographic reasons for students to achieve mastery of Spanish. Spanish 1A and B engage students and use a variety of activities to ensure student engagement and to promote personalized learning. These courses can be delivered completely online, or implemented as blended courses, according to the unique needs of the teacher and the students.	
<b>Spanish II</b>	1
Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions. These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices.	
<b>Spanish III</b>	1
Spanish 3A and B take a unique approach by setting the lessons in each unit in a specific Spanish-speaking locale, immersing students in the language and in a variety of Hispanic cultures and issues. For example, Unit 5 in Semester B includes a discussion of the environmental issues in Argentina. Concluding the three-year cycle of Spanish courses, Spanish 3A and B effectively combine group and individual learning and offer activities and assessments to keep students engaged and on track.	

<b>French I</b>	1
<p>These courses are based on a researched scope and sequence that covers the essential concepts of French. Class discussions provide an opportunity for discourse on specific topics in French. A key support tool is the Audio Recording Tool that enables students to learn a critical skill for French: listening and speaking. Beginning with learning personal greetings and continuing through practical communications exchanges, French 1B introduces students to the skills necessary to make the most of traveling to French-speaking countries.</p>	
<b>French II</b>	1
<p>Each of these semesters is designed to build on the principles mastered in French 1 and use a combination of online curriculum, electronic learning activities, and supporting interactive activities to fully engage learners. Unit pretests, post-tests, and end-of-semester tests identify strengths and weaknesses, helping to create a more personalized and effective learning experience. As with French 1, these 90-day courses emphasize practical communication skills while also building intercultural awareness and sensitivity.</p>	
<b>French III</b>	.5
<p>Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in more formal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics and respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, read and analyze important pieces of Hispanic literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).</p>	
<b>German I</b>	1
<p>As with all Edmentum world language courses, German 1 A and B address two primary issues: providing a meaningful context that encourages learners to think in the target language as much as possible; and introducing grammatical concepts without over reliance on grammatical analysis. German 1A focuses on communicating basic and practical greetings and personal information. German 1B consists of five units over about 14 weeks, with an emphasis on a variety of practice types throughout the course.</p>	
<b>German II</b>	1
<p>According to The Economist and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent</p>	

<p>interest in their cultural past, present, and future. These courses employ direct-instruction approaches, including application of the target language through activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German.</p>	
<b>Mandarin Chinese I</b>	.5
<p>Spoken by one-fifth of the world's population, Mandarin is the dialect of Beijing and the basis for Modern Standard Chinese. This course emphasizes listening skills, including the mastery of Chinese tones and tonal changes, as well as vocabulary and grammar skills. Students also begin to identify and write Chinese characters.</p>	
<b>Mandarin Chinese II</b>	.5
<p>This course enables students to further develop the skills of listening to, speaking, reading, and writing Mandarin Chinese at a more advanced level. As they are immersed in Chinese culture, students expand their vocabulary, practice interacting with others, and learn the use of appropriate terms to communicate in various everyday situations.</p>	
<b>Sign Language I (ASL)</b>	.5
<p>In this course, students are introduced to the fundamental concepts of American Sign Language. Students explore vocabulary, grammar, and conversational skills using basic signing and fingerspelling techniques. They are exposed to activities and exercises that help them understand the culture of deaf and hard-of-hearing people.</p>	
<b>Sign Language II (ASL)</b>	.5
<p>In this course, students continue their study of American Sign Language (ASL). Students expand their ASL vocabulary, grammar, and conversational skills. In addition, students complete activities and exercises that help them understand the culture of the deaf and hard-of-hearing community, including analyzing Deaf View/Image Art (De'VIA).</p>	



# HEALTH & PHYSICAL EDUCATION

- Students must have at least one semester of both health and physical education

Course Title & Description	Total Credit
<b>Health**</b>	.5
This course is based on a rigorously researched scope and sequence that covers the essential concepts of health. Students are provided with a variety of health concepts and demonstrate their understanding of those concepts through problem solving. The five units explore a wide variety of topics that include nutrition and fitness, disease and injury, development and sexuality, substance abuse, and mental and community health.	
<b>Health &amp; Recovery</b>	.5
This course is designed for students engaged in active substance abuse recovery. Students will learn to define mental, social, physical, and reproductive health as well as learning about drugs, safety, and strategies for maintaining and sustaining a healthy addiction-free lifestyle.	
<b>Physical Education**</b>	.5
This course's three units include Getting Active, Improving Performance, and Lifestyle. Unit activities elevate students' self-awareness of their health and well-being while examining topics such as diet and mental health and exploring websites and other resources. In addition to being effective as a stand-alone course, the components can be easily integrated into other health and wellness courses.	
<b>Taekwondo</b>	.5
Cyber Taekwondo is an online martial art learning program that teaches Taekwondo; a Korean self-defense system. Accredited by the Kukkiwon, the highest governing body of Taekwondo in the world, Cyber Taekwondo teaches an internationally standardized curriculum, and is permitted to bestow international rank to its students. The uniqueness of Cyber Taekwondo is the program's voluntary integration of distance education accreditation criteria to ensure that students are actually learning martial arts skills and techniques in a progressive way from a certified instructor. Cyber Taekwondo is a complete program with, not only technique video lessons, but exercise, warmup, and stretching lessons designed to increase flexibility,	



strength, agility, stamina, etc.	
<b>MI Independent Study Physical Education 1</b>	.5
<p>This course's four units include: Fitness Assessment &amp; Analysis, Components of Fitness, Strength Training, and Goal Setting. In addition to the units, there are two Physical Activity logs each requiring a minimum of 30 documented hours per log. The objective of this is to: track participation in the different elements of fitness and demonstrate fitness by completing the designated hours of the activity per grading period.</p>	



# CAREER & TECHNICAL COURSES

Course Title & Description	Total Credit
<b>Accounting</b>	1
The Bureau of Labor Statistics identifies accounting as one of the best careers for job growth in the next decade. This course empowers high school students with the essential skills they need to understand accounting basics. Lessons include Account Types (assets, liabilities, expenses, etc.), Fundamentals of Bookkeeping, Financial Statements, and Careers in Accounting. Engaging and relevant, this course particularly helps both those students with an accounting career orientation, and those in need of an overview of essential accounting principles.	
<b>Applied Medical Terminology</b>	1
Built on the same sound pedagogy and proven course design methodologies as all of our courses, Medical Terminology helps students understand the structure and meaning of medical terms and identify medical terminology associated with various body systems. As the healthcare industry becomes more and more complex, developing expertise in accurately and efficiently identifying medical terms and their specific application is essential to a growing variety of health care careers. This course begins to prepare your students for those careers.	
<b>Audio Video Production I</b>	1
This course is designed to enable all students at the high school level to learn the basics of audio video production. The course will help the students develop an understanding of the industry with a focus on pre-production, production, and post-production audio and video activities. The course is based on Career and Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio video production industry.	
<b>Audio Video Production II</b>	1
This course is designed to enable students at high school level to develop the knowledge and skills related to audio video techniques that they can use in their careers. This course discusses the elements of audio video	

production, pre production activities, media production techniques, and post production activities. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the audio video production industry.	
<b>Audio Video Production III</b>	1
This course is designed to enable all students at the high school level to understand the basic concepts in audio video manufacturing. Students will learn about pre production techniques, advanced production techniques, advanced post-production techniques, mastering production techniques, special effects and animation, careers, and audio video production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio video production.	
<b>Building Computers</b>	1
Students in this course will learn to build personal computers from the ground up. They will be supplied with each of the necessary components and will be led through the steps to build the machines. Once built, the students will learn how to perform basic software and firmware management tasks to set up the computers for consumer use. Machines built in this course will be placed on the MIPS website and sold at cost and/or offered up to the students at cost upon completion of the course.	
<b>Business Information Management</b>	1
This course is designed to enable students at high school level to develop information management skills that they can use during their careers in business organizations. This course discusses career opportunities available in Business Information Management, computing technology for business, connecting through the internet, working with documents, working with spreadsheets, working with a presentation program, working with databases, web page design, and project management. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the business information management industry.	
<b>Career Explorations</b>	.5
The 21 lessons and additional activities in this one-semester course are fundamental to ensuring career readiness on the part of your students. Covering such essentials as developing and practicing a strong work ethic, time management, communication, teamwork, and the fundamentals of workplace organizations, Career Explorations develops not just essential skills, but the confidence in themselves and their abilities to present themselves that your students need as they prepare to embark on their chosen careers.	
<b>Career Development</b>	.5
Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop skills and job search documents	

<p>needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. Students will create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio. While this course is open to all high school students, this course is required for students engaged in work-based learning.</p>	
<b>Certified Nurse Aide</b>	1
<p>The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides.</p> <p>The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.</p>	
<b>Child Development and Parenting</b>	1
<p>As adulthood and its accompanying responsibilities become closer for many of your students, this one-semester course with 12 lessons introduces them to the basics of parenting. Students will learn the nuances of parenting including learning about prenatal and postnatal care and gain insights on the nurture of children. Students will also learn about the importance of positive parenting skills, parent-child communication, and ways to use community resources for effective parenting. Activities will help your students connect leading research to real-life experience.</p>	
<b>CompTIA A+220-901 Exam Preparation</b>	.5
<p>This course is focused on the exam objectives of CompTIA A+ 220-901. Students will learn about computer hardware and networking. Students will learn about mobile devices and their features. Students will learn how to identify and troubleshoot problems related to hardware, networking, printers, storage devices, and mobile devices.</p> <p>Unit activities in the course help students to develop and apply critical thinking skills.</p> <p>Animations and screenshot based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily.</p> <p>Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance based questions.</p> <p>Practice Tests at the end of the course help students to attempt questions that are similar to the CompTIA A+ 220-901 certification exam.</p> <p>For information on the Certification exam (which students would pay for) click <a href="#">here</a>.</p>	

<b>CompTIA A+220-901 Exam Preparation</b>	.5
<p>This course is focused on the exam objectives of CompTIA A+ 220-902. Students will learn about Windows operating system and mobile operating systems. Students will learn about security, cloud computing, and operational procedures. Students will also learn how to identify and troubleshoot problems related to Windows operating system, security, and mobile operating systems.</p> <p>Unit activities in the course help students to develop and apply critical thinking skills.</p> <p>Animations and screenshot based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily.</p> <p>Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance based questions.</p> <p>Practice Tests at the end of the course help students to attempt questions that are similar to the CompTIA A+ 220-902 certification exam.</p> <p>For information on the Certification exam (which students would pay for) click <a href="#">here</a>.</p>	
<b>Computer Programming</b>	1
<p>Part of the Courseware Career and Technical Education (CTE) Library, Computer Programming combines engaging online and offline activities in a rigorous one-semester course for high school students who may be aspiring to technical careers. Building on lessons covering the software development lifecycle and software development methodologies, the course uses online discussions, activities, and lessons to lead your students through additional key topics such as quality control, system implementation, and maintenance and the increasingly important issue of system security.</p>	
<b>Computing for College &amp; Careers</b>	1
<p>This course is designed to enable students at the high school level to develop basic computer skills that they can use during their college education and also in their careers. This course is designed to enable all students at the high school level to develop the critical skills and knowledge that they will need to be successful in careers throughout their lives. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers and/or into postsecondary education.</p>	
<b>Culinary Arts</b>	1
<p>This course is designed to enable all students at the high school level to learn the basics of culinary arts. Students will trace the origin and development of the culinary arts. They will also discuss important contributions made by chefs, notable culinary figures, and entrepreneurs. They'll analyze how trends in society influence trends in the food service industry. In addition, they'll examine the social and economic significance of the food service industry. This course also covers topics in health, sanitation, and sanitation,</p>	

culinary skills, and more. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the culinary industry.	
<b>Digital &amp; Interactive Media</b>	1
This is an effective and comprehensive introduction to careers in the rapidly expanding world of digital art. The course covers creative and practical aspects of digital art in 15 lessons that are enhanced with online discussions and a variety of activities. Beginning with a history of digital art, the course goes on to issues of design, color, and layout. While students will experience creation of digital art, they will also learn about converting traditional art to digital formats.	
<b>Drafting &amp; Design</b>	1
From the history of drafting and design to a look at the latest in the industry's latest computer-aided tools, this course gives your students a comprehensive look at a dynamic and in-demand career. With 14 effective lessons and five engaging activities that lead to mastery of the course content, the course review and end of course assessment help ensure that mastery. The course features skill-embedded content that connects student learning to real-life experiences.	
<b>Electronic Communication Skills</b>	.5
This semester-long course is based on Career and Technical Education (CTE) standards to help students prepare for entry into a wide range of careers and/or into postsecondary education. It is designed to enable students at high school level to develop electronic communication skills that they can use in their careers.	
<b>Entrepreneurship</b>	1
This course is based on Career Technical Education (CTE) standards designed to help students understand the roles and attributes of an entrepreneur, marketing and its components, selling process, and operations management. This course discusses entrepreneurship and the economy, marketing fundamentals, managing customers, production and operations management, money, and business law and taxation.	
<b>Essential Career Skills</b>	.5
This course helps students understand and practice critical life and workplace readiness skills identified by employers, state boards of education, and Advance CTE. These skills include personal characteristics, such as positive work ethic, integrity, self-representation, and resourcefulness, as well as key people skills, communication skills, and broadly-applicable professional and technical skills. These skills are universally valuable but sometimes assumed or glossed over in more career-specific courses. For that reason, this provides students with a solid foundation in their career studies.	
<b>Game Development</b>	.5

<p>Are any of your students gamers? That's what we thought. In this course, they'll learn the ins and outs of game development to prepare them for a career in the field. Whether it is the history of video games, character development, mobile game design, user interface design, social gaming, or the principles of development design and methodologies, this 20-lesson course covers it all. As you might guess, games are included in the course to enhance the learning experience and help assess student progress. While fun and highly engaging, the course focuses on laying a strong foundation for a career in game development.</p>	
<b>Graphic Design &amp; Illustration</b>	1
<p>This course will help students develop an understanding of the industry with a focus on topics such as history of graphic design, types of digital images, graphic design tools, storing and manipulating images, design elements and principles, copyright laws, and printing images. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the graphic design industry.</p>	
<b>Health Science I</b>	1
<p>The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the health science industry. Semester A is designed to enable all students at the high-school level to understand the basic structure and function of the human body and it will help the students identify and analyze the diseases and medical procedures related to each body system. Semester B will help the students develop an understanding of biomolecules such as proteins, carbohydrates, and lipids; biological and chemical processes; and various diseases that affect the body.</p>	
<b>Health Science II</b>	1
<p>This course is designed to enable all students at the high-school level to learn the basics of health science. The course will help the students develop an understanding of the academic qualifications, personal skills, training, and use of healthcare tools required to work in the healthcare industry. The course is based on Career and Technical Education (CTE) standards to help students develop technical knowledge and skills needed for success in the healthcare industry.</p>	
<b>International Business</b>	.5
<p>From geography to culture, Global Business is an exciting topic. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are all explored in this course. Students cultivate an awareness of how history, geography, language, cultural studies, research skills, and continuing education are important in business activities and the 21st century.</p>	
<b>Introduction to Android Mobile App Dev.</b>	.5

<p>This course is designed to introduce students to the process involved in creating a mobile app. Students learn about the history of and upcoming trends in mobile app development. They explore career options in mobile app development and describe skills and training required for mobile app development. They also describe the types of apps available in the market. Moreover, they learn about platforms for developing Android mobile apps. Further, they learn about the Android development environment. Finally, they create the user interface of an app and make it interactive in Android Studio.</p>	
<b>Introduction to Criminology</b>	.5
<p>Introduction to Criminology is a one-semester course with 14 lessons that cover the theories related to criminology. The target audience for this course is high school students. This course covers subject areas such as: classical theory, positivist theory, punishing offenders, routine activity theory, labeling theory, social disorganization theory, peacemaking criminology, and many more.</p>	
<b>Introduction to Cybersecurity</b>	.5
<p>This course introduces students to the field of cybersecurity, focusing primarily on personal computer use and vulnerabilities while also highlighting the wider scope of cybersecurity from a societal and career perspective. Specific topics include computer security, VPN and wireless security, risk management, and laws, standards, and ethics related to cybersecurity.</p>	
<b>Introduction to Engineering &amp; Prototyping</b>	.5-1
<p>This course is designed to teach students valuable skills in prototyping using parametric solid modeling (a form of Computer Aided Design-CAD). In this course students will learn the basics of OnShape, a professional application used in prototyping. They will be given various engineering challenges in which to solve using OnShape and our state-of-the-art 3D printers. Students taking part B of this course will further develop their skills in prototyping by designing their own handheld or desktop video game arcade cabinet.</p>	
<b>Introduction to Finance</b>	.5
<p>This course is designed to enable students at high school level to develop financial skills that they can use during their careers in business organizations. Financial literacy is an increasingly essential capability as students prepare for the workforce, and this 18-lesson course provides the information they need to determine if a career in finance is right for them. The course uses games and online discussions to effectively facilitate learning, while introducing your learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the finance industry.</p>	
<b>Introduction to iOS Mobile App Dev.</b>	.5
<p>This course is designed to introduce students to the process involved in creating an app. Students learn about the history of and upcoming trends in mobile app development. They explore career options in mobile</p>	



<p>app development and describe skills and training required for mobile app development. They also describe the types of apps available in the market. Moreover, they learn about various platforms for developing iOS mobile apps. Further, they learn about the iOS development environment. Finally, they create the user interface of an app and make it interactive in Xcode.</p>	
<b>Marketing, Advertising, &amp; Sales</b>	.5
<p>Issues in marketing, advertising, and sales promotion are evolving rapidly in an increasingly digital environment. This course effectively helps your students prepare for a career in that environment through a comprehensive look at essential marketing principles, interactive tools and channels, and the growing impact of data in marketing and advertising. Simple to manage and easy to customize, the course provides an overview of all of the fundamental topics necessary to effectively put your students on a career path that unleashes their creativity and develops and leverages their critical thinking skills.</p>	
<b>MICE Cisco Certified Network Association (CCNA)</b>	.5
<p>This course prepares students to use Cisco routing and switching devices. Topics include, but are limited to: routing, access control list configuration, wireless configuration, DHCP server configuration, NAT configuration, router security, and security measure implementation. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Routing and Switching Pro voucher.</p>	
<b>MICE Ethical Hacking Pro</b>	.5
<p>This course covers network attack strategies and common countermeasures while preparing students to use various penetration testing tools to analyze networks for vulnerabilities. Knowledge of these vulnerabilities also helps students to understand how to counter these vulnerabilities and improve network security. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Ethical Hacker Pro voucher.</p>	
<b>MICE IT Fundamentals Pro</b>	.5
<p>This introductory course covers a wide variety of topics in IT such as, but not limited to: computing, hardware and software, security, programming, networking, and operating systems. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut IT Fundamentals Pro voucher.</p>	
<b>MICE Linux Pro</b>	.5
<p>This course trains students to conduct hardware &amp; system configuration, system operation &amp; maintenance, security, automation &amp; scripting, and troubleshooting &amp; diagnostics in the Linux Operating System. The Linux Operating System is a must for individuals looking to pursue a career in IT and Cybersecurity.</p>	

Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Linux Pro voucher.	
<b>MICE Network Pro</b>	.5
This course covers the knowledge and skills students will need to install, configure, and maintain a network for a small business. Topics included but are not limited to: networking, OSI model, layers, switches, routers, configuration. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Network Pro voucher.	
<b>MICE PC Fundamentals Pro</b>	1
This course provides in-depth coursework learning how to install, manage, and secure computer hardware and master home and corporate OS environments. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut PC Pro voucher.	
<b>MICE Office 2019 Pro</b>	.5
This course covers Microsoft Word, Excel, PowerPoint, Access, Outlook, online essentials and computer basics. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Office 2019 Pro voucher.	
<b>MICE Security Pro</b>	.5
This course covers how to secure a corporate network using a layered security model. Policy, law, and ethics are covered through a wide variety of hands-on activities that prepare students for a career in Cybersecurity. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Security Pro voucher.	
<b>MICE Server Pro</b>	.5
This course prepares students for a career in Microsoft server administration. Students will configure, secure, administer, and update servers used in small and large scale businesses. Students will be engaged in lab simulations, watching videos, and completing exercises, as well as practice certification tests. Students who successfully complete this course will receive a TestOut Server Pro voucher.	
<b>Principles of Agriculture, Food, and Natural Resources</b>	
Throughout this course, your students will learn about various career options in the agriculture, food, and	

<p>natural resources industries. They will learn about technology, safety, and regulatory issues in agricultural science. They will also learn about some topics related to agriculture, such as international agriculture and world trade, sustainability, environmental management, research, development, and future trends in the industry. The course helps students navigate the rising demand for sustainable food sources while also meeting the challenge of producing higher yields to feed a growing world.</p>	
<b>Principles of Architecture and Construction</b>	.5
<p>This interactive course empowers students with the knowledge to appreciate and evaluate career opportunities in architecture and construction. With an emphasis on developing critical thinking skills, this one-semester course includes a variety of activities as students learn about structures and loads, materials and costs, urban design, and other aspects of these fascinating career opportunities. This easy-to-manage course will help build a solid foundation for their career options.</p>	
<b>Principles of Arts, Audio/Video Technology, &amp; Communications</b>	1
<p>This course appeals to your students' familiarity with a variety of sensory inputs and stimuli. With an emphasis on visual arts, the 14 lessons introduce learners to careers in design, photography, performing arts, fashion, and journalism, among others. This engaging course covers inherently engaging topics that will stimulate your students as they consider careers in which the arts, technology, and communications intersect.</p>	
<b>Principles of Business, Marketing, &amp; Finance</b>	1
<p>This course has a broad application for almost every career path that your students might choose. This course supplies both essential career skills and life skills. Designed for early high school students, the course offers you the flexibility to customize it to the unique needs of your program and your students. Interactive games and other engaging online and offline activities make practical real-life application of essential business principles understandable and useful in the daily lives of your students and in the careers that they choose.</p>	
<b>Principles of Education &amp; Training</b>	1
<p>This course is designed to enable all students at the high school level to learn the basics of education and training. Students will learn about the various trends and factors that influence the education industry. This course introduces various career opportunities in the field of education. The units in this course include personal and professional skills needed in various education careers, child growth and development, child health, delivering instruction, and technology in education. The course is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the education industry.</p>	
<b>Principles of Engineering &amp; Technology</b>	1

This easy-to-manage course provides students with essential STEM knowledge and an effective overview of STEM careers. The course's 15 lessons are interspersed with activities and online discussions that engage learners and promote understanding and achievement. Topics covered include biotechnology, mechanics, and fluid and thermal systems. The concluding lesson provides a valuable overview of the overall engineering design process.

Students will also learn about the relationship between engineering, science, and technology. They will learn how scientific knowledge is applied to create technology that benefits society. Additionally, students will learn how design modifications can be made based on an analysis of the underlying principles from physics, chemistry, biology, and the earth sciences.

### **Principles of Government & Public Administration**

1

This course is designed to enable all students at the high school level to learn the basics of government and public administration. Students explore career opportunities in the field of government and public administration. They also learn about the career-related skills, such as job acquisition skills, reading and writing, and mathematics they need to possess as professionals in this field. They learn about the safe and healthy working conditions necessary in the field of government and public administration. This course covers topics such as: the influence of geography and technology, and networking and communication as they relate to government and public administration. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in government and public administration industry.

### **Principles Health Science**

1

With an engaging and interactive instructional approach, this rigorous course provides your students with a comprehensive overview of health science topics and careers. Health science professionals are in increasing demand and of increasing interest, and this semester-long course is an effective way to introduce students to the wide array of health science careers. Beginning with medical terminology, the course includes an overview of physiology and human homeostasis and more.

### **Principles of Hospitality & Tourism**

1

The hospitality and tourism industry offers a dynamic career path that will pique the interest of many of your students. This course emphasizes learning the practical aspects of the industry and the development of critical-thinking skills that lead to real-world solutions. This 14-lesson course will introduce your students to an exciting industry and will help them evaluate and prepare for a career in this growing and exciting industry.

### **Principles of Human Services**

1

This course is designed to enable all students at the high school level to develop the critical skills and knowledge necessary in the human services industry. Students will learn about various personal characteristics that they need to demonstrate in the workplace, such as integrity, and positive work ethics. This course covers topics such as employability skills, counseling and mental health services, and consumer

services. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in the human services field.	
<b>Principles of Information Technology</b>	1
Building on the fundamentals learned in Information Technology 1A, this course takes the next steps in preparing learners for a career in information technology. Covering software, hardware, and implementation topics, the course also addresses the security and ethical issues that your students will face in an IT career. Combining lessons, online and offline activities, and interactive discussions, the course will provide a practical yet cutting edge look at the issues faced by leading IT professionals today and in the future.	
<b>Principles of Law, Public Safety, Corrections, &amp; Security</b>	1
For many reasons, high school students are drawn to learning about the careers addressed in this course. This course includes 15 lessons that help students learn about careers that make a powerful impact in all of our lives. From criminal law to every phase of the trial process, the course moves on to include lessons on the correctional system and the implications of legal ethics and the constitution.	
<b>Principles of Manufacturing</b>	1
Principles of Manufacturing is a course comprising 15 lessons to help your students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available to them in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues related to launching and managing a manufacturing business.	
<b>Principles of Transportation, Distribution, &amp; Logistics</b>	1
In an increasingly interconnected world, this course will introduce your students to an industry that delivers what people want, when and how they want it. The TDL industry is essential to creating global economic growth through increasingly more efficient delivery of goods and services. This course will help to develop both the quantitative and qualitative skills and knowledge required for students to prepare themselves for a successful TDL career. The course addresses the relevant logistical and geopolitical issues that impact global trade.	
<b>Professional Communications</b>	.5
This course is designed to enable all students at the high school level to develop communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The	

course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions.	
<b>Professional Photography</b>	.5
Few recent technical innovations have changed an industry as fundamentally as digital photography has changed everything about the way we capture our lives in the way we take, edit, store, and share pictures. Digital Photography provides you with the flexibility to not only use it as an independent individual course or as a group or class course, but to also easily customize the course to the unique needs of your situation. The course combines 15 lessons with online discussions that promote the development of critical thinking skills as your students explore digital photography as an enriching activity or a career.	
<b>Robotics I</b>	1
This two-semester course is focused on the concepts related to robots and how to construct a robot. Students will learn about the history and applications of robotics. Students will learn about the job opportunities and employability skills in the field of robotics. Students will also learn about the basic concepts of six simple machines, electricity, electronic circuits, Boolean algebra, magnetics, and their applicability to robotics. Students will apply safety procedures and construct a simple robot. Students will also learn about project management and engineering design processes. Students will learn about the programming languages used in robotics. Students will create a simple robotic arm. Students will also construct a robot using programming. Students will learn about ethics and laws related to robotics. Students will also learn how to test and maintain a robot. Online discussions and unit activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.	
<b>Sports &amp; Entertainment Marketing</b>	.5
This course is designed to enable all students at the high school level to develop skills they will need to be successful in sports, entertainment, and recreational marketing professions. Students learn about the structure of a business firm and financial statements. Students also learn about the basics of sports, entertainment, and recreation marketing. Finally, students explore essential career skills, such as teamwork and time management. This course covers topics such as marketing staples, mapping markets, marketing communication, and making the sale. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in sports, entertainment, and recreational marketing.	
<b>Video Production</b>	.5-1
Students taking this course will learn the basics of recording video, importing the video into a computer, and creating a professional final product. This project-based course will have students working toward the goal of producing a 10-minute MIPS documentary as a final product at the end of the semester. Students in part A of the course will be issued a MacBook Air and will be using iMovie. Students in Part B of the course will also be issued a MacBook Air, but will be transitioning to Final Cut Pro by the end of the semester. (This course is	

limited to 10 students per semester).

### Web Technologies

1

Whether they know it or not, almost all of your students have an interest in web design. This course takes them inside the essentials of web design and helps them discover what makes a site truly engaging and interactive. Lessons such as Elements of Design, Effects of Color, and Typography help them understand the elements of effective and dynamic web design. The course covers the basics of HTML, CSS, and how to organize content, and helps to prepare them for a career in web design.



## HIGH SCHOOL ELECTIVES

- These courses may help fulfill the two additional elective credits that you need to graduate.



<b>Course Title &amp; Description</b>	<b>Total Credit</b>
<b>Adaptive Physical Education</b>	.5
This course is designed specifically for students with physical limitations. The content is similar to Fitness Fundamentals 1, but additional modification resources are provided to allow for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity, as well as the techniques, components, principles, and guidelines of exercise to keep them safe and healthy.	
<b>Advanced Physical Education I</b>	.5
This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly, while participating in physical activities and applying principles they've learned. Basic anatomy, biomechanics, physiology, and sports nutrition are all integral parts of this course. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.	
<b>Advanced Physical Education II</b>	.5
This course gives the student an in-depth view of physical fitness by studying subjects such as: biomechanics, nutrition, exercise programming, and exercise psychology. Students will apply what they learn by participating in a more challenging exercise requirement. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.	
<b>African American Studies</b>	.5
This course traces the experiences of Africans in the Americas from 1500 to the present day. In this course, students will explore history, politics, and culture. Although the course proceeds in chronological order, lessons are also grouped by themes and trends in African American history. Therefore, some time periods and important people are featured in more than one lesson.	
<b>Anthropology I</b>	.5
Anthropology uses a broad approach to give students an understanding of our past, present, and future, and also addresses the problems humans face in biological, social, and cultural life. This course explores the evolution, similarity, and diversity of humankind through time. It looks at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys are just one of the powerful learning tools utilized in this course.	
<b>Anthropology II</b>	.5



<p>This course continues the study of global cultures and the ways that humans have made sense of their world. It examines ways that cultures have understood and given meaning to different stages of life and death. The course also examines the creation of art within cultures and how cultures evolve and change over time. Finally, students apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.</p>	
<b>Archaeology Detective</b>	.5
<p>The field of archaeology helps us better understand the events and societies of the past that have helped to shape the modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students learn about the relationship of material items to culture and what we can learn about past societies from these items.</p>	
<b>Artificial Intelligence</b>	.5
<p>This course is focused on the history, applications, and innovations of artificial intelligence. Students will learn about intelligence agents, problem solving using search algorithms, knowledge representation, and reasoning in artificial intelligence. Students will also learn about the basic concepts of machine learning and natural language processing (NLP). Students will also learn about expert systems, computer vision and robotics. This 12-lesson course also covers ethics and safety related to artificial intelligence. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.</p>	
<b>Biotech: Nature's Secrets</b>	.5
<p>In today's world, biotechnology helps us grow food, fight diseases, and create alternative fuels. In this course, students will explore the science behind biotechnology and how this science is being used to solve medical and environmental problems.</p>	
<b>Business English</b>	1
<p>Business English is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.</p>	
<b>Careers in Criminal Justice</b>	.5
<p>The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.</p>	

<b>Comprehensive Physical Education</b>	.5
<p>In this course students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts, as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Throughout this course students will also participate in a weekly fitness program involving elements of cardio, strength, and flexibility training.</p>	
<b>Contemporary World</b>	1
<p>The Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.</p>	
<b>Creative Writing</b>	.5
<p>This course is designed to get students to pursue creative writing as a vocation or as a hobby. To that purpose, it exposes them to different genres and techniques of creative writing, as also the key elements (such as plot and characterization in fiction) in each genre. Great creative writing does not come merely by reading about the craft—one also needs ideas; a process for planning, drafting and revising; and the opportunity to experiment with different forms and genres. The lesson tutorials in this course familiarize students with the basic structure and elements of different types or genres of writing. The course is based on Career and Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in creative writing fields.</p>	
<b>Criminology: Inside the Criminal Mind</b>	.5
<p>Crime and deviant behavior rank at or near the top of many people's concerns. This course looks at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explores the categories and social consequences of crime, and investigates how the criminal justice system handles not only criminals, but also their crimes. Why do some individuals commit crimes and others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors shape the criminal case process?</p>	
<b>Early Childhood Education</b>	.5

<p>Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.</p>	
<b>Family Living &amp; Healthy Relationships</b>	.5
<p>In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self- discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.</p>	
<b>Family &amp; Consumer Science</b>	.5
<p>Family &amp; Consumer Science prepares students with a variety of skills for independent or family living. Topics covered include child care, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options.</p>	
<b>First Aid &amp; Safety</b>	.5
<p>In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.</p>	
<b>Fitness Basics I</b>	.5
<p>This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.</p>	
<b>Fitness Basics II</b>	.5
<p>This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their</p>	

lifetime. Students conduct fitness assessments and participate in weekly physical activity.	
<b>Fitness Fundamentals I</b>	.5
This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility training.	
<b>Fitness Fundamentals I</b>	.5
This course takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals 1: muscular strength, endurance, cardiovascular health, flexibility, and body composition. This course allows students to discover new interests as they experiment with a variety of exercises in a non-competitive atmosphere. By targeting different areas of fitness, students increase their understanding of health habits and practices and improve their overall fitness level. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility.	
<b>Flexibility Training</b>	.5
This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training. Students take a pre- and post fitness assessment. Throughout this course students also participate in a weekly fitness program involving flexibility training, as well as elements of cardio and strength training.	
<b>Forensic Science I: Secrets of the Dead</b>	.5
In this unit, students are introduced to forensic science. We discuss what forensic science consists of and how the field developed through history. Topics covered include some of the responsibilities of forensic scientists and about some of the specialty areas that forensic scientists may work in. Objective and critical thinking questions are combined with lab activities to introduce students to analyzing the crime scene, a wide variety of physical evidence such as firearm and explosion evidence, and DNA evidence.	
<b>Forensic Science II: More Secrets of the Dead</b>	.5

<p>Although the crime scene is the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within the lab. It examines some of the basic scientific principles and knowledge that guide forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, mineralogy, and spectroscopy will be examined.</p>	
<b>Gothic Literature</b>	.5
<p>This course analyzes the conventions, elements, themes, and other characteristics of Gothic literature. This course covers subject areas such as: morality and spirituality in gothic poetry, Dr. Jekyll and Mr. Hyde, dual personalities, Edgar Allan Poe, Dracula, gothic conventions across time, and many more.</p>	
<b>Gothic Literature: Monster Stories</b>	.5
<p>From vampires to ghosts, frightening stories have influenced fiction writers since the 18th century. This course focuses on the major themes found in Gothic literature and demonstrates how core writing drivers produce thrilling psychological environments for the reader. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.</p>	
<b>Great Minds in Science: Ideas for a New Generation</b>	.5
<p>Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.</p>	
<b>Greater Michigan Construction Academy</b>	.5-2
<p>The Greater Michigan Construction Academy (GMCA) offers a variety of trades-based courses that facilitate opportunities for careers in the construction industry. GMCA is an accredited member of NCCER (<a href="http://www.nccer.org">www.nccer.org</a>). The programs are open to juniors and seniors in the greater Lansing and Midland areas because you must be on-site each day. Possibilities for trades include: carpentry, electrical, HVAC, welding, and plumbing. Course availability may vary at each location each year.</p>	
<b>Group Sports</b>	.5
<p>This course provides students with an overview of group sports. Students learn about a variety of sports, yet do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct fitness assessments and participate in regular weekly physical activity.</p>	

<b>Health Careers</b>	.5
In this course, students explore a variety of career options related to the healthcare field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.	
<b>Health &amp; Personal Wellness</b>	.5
This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.	
<b>History of the Holocaust</b>	.5
Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.	
<b>Holocaust Studies</b>	.5
This course is focused on the Holocaust, a tragic time in history that resulted in the killing of six million Jewish people in Europe. Students trace this period in history from the aftermath of the First World War to the roots of anti-Semitism and the rise of Adolf Hitler to the aftermath of the Holocaust. The 14 lessons in the course explore the history of the Jewish community in Europe and what they were subjected to at the hands of the Nazis, including their experiences in the ghettos, concentration camps, and extermination camps. Students learn about how Nazis victimized non-Jewish people who were against the Third Reich. The course also covers the Jewish resistance and their fight for liberation, the trials after the Second World War, and the impact of the Holocaust on the world. This course combines a variety of content types, including lessons, activities, discussions, and games to keep students engaged as they trace this tragic period in history.	
<b>Hospitality &amp; Tourism: Traveling the Globe</b>	.5
With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world.	



<p>This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.</p>	
<b>HS Academic Success</b>	.5
<p>As in other areas of life, success in academics results from learning and practicing positive habits. This one-semester elective provides practical, hands-on guidance on developing and improving study habits and skills, regardless of a student's level of accomplishment. Academic Success includes five lessons and two course activities in a flexible structure that is adaptable to the needs and circumstances of individual students. The course can also be used for college-level developmental education.</p>	
<b>Human Geography: Our Global Identity</b>	.5
<p>How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.</p>	
<b>Individual Sports</b>	.5
<p>This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, hiking, yoga, dance, swimming, biking, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about the components of fitness, the FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.</p>	
<b>International Business: Global Commerce in the 21st Century</b>	.5
<p>From geography to culture, Global Business is an exciting topic. This course helps students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations are all explored in this course. Students cultivate an awareness of how history, geography, language, cultural studies, research skills, and continuing education are important in business activities and the 21st century.</p>	
<b>Introduction to Agriscience</b>	.5

<p>Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and given us materials that have helped us survive. Today, scientists and practitioners are working to improve and better understand agriculture and how it can be used to continue to sustain human life. In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.</p>	
<b>Introduction to Anthropology</b>	.5
<p>Introduction to Anthropology is a one-semester course with 14 lessons that introduce students to the field of anthropology. Students will explore the evolution of anthropology as a distinct discipline, learn about anthropological terms, concepts and theories, and discuss the evolution of humans and human society and culture. Students will also learn about social institutions, such as marriage, economy, religion, and polity. The target audience for this course is high school students.</p>	
<b>Introduction to Archaeology</b>	.5
<p>Introduction to Archaeology is a one-semester course with 14 lessons that discuss the work and techniques involved in archaeology, and the prospects of an archaeologist. This course covers subject areas such as: history of modern archaeology, discoveries in archaeology, careers in archaeology, research techniques, evidence, site excavation, and many more.</p>	
<b>Introduction to Astronomy</b>	.5
<p>Introduction to Astronomy is a one-semester course that covers a wide range of topics, such as the solar system, planets, stars, asteroids, comets, galaxies, space exploration, and theories of cosmology.</p>	
<b>Introduction to Coaching</b>	.5
<p>This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.</p>	
<b>Introduction to Forensic Science</b>	.5
<p>This course is designed to introduce students to the importance and limitations of forensic science and explore different career options in this field. They also learn to process a crime scene, collect and preserve evidence, and analyze biological evidence such as fingerprints, blood spatter, and DNA samples. Moreover, they learn to determine the time and cause of death in homicides and analyze ballistic evidence and human remains in a crime scene. Finally, they learn about forensic investigative methods related to arson, computer crimes, financial crimes, frauds, and forgeries.</p>	



<b>Introduction to Group Sports I</b>	.5
<p>This course provides students with an overview of group sports. Students learn about a variety of sports, and an in-depth study of soccer and basketball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about game strategy and the benefits of sports. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.</p>	
<b>Introduction to Group Sports I</b>	.5
<p>This course provides students with an overview of group sports. Students learn about a variety of sports and do an in-depth study of baseball/softball, and volleyball. Students learn the history, rules, and guidelines of each sport, as well as practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct a pre- and post-fitness assessment, as well as participate in regular weekly physical activity.</p>	
<b>Introduction to Manufacturing: Product Design &amp; Innovation</b>	.5
<p>Think about the last time you visited your favorite store. Now picture the infinite number of products you see. Have you ever wondered how all those things actually made it to the shelves? Whether video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about the different types of manufacturing systems used to create the everyday products we depend on. Discover the various career opportunities in the manufacturing industry, including those for engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting, creative, and practical this industry can be.</p>	
<b>Introduction to Military Careers</b>	.5
<p>This one-semester course introduces the US military and describes each of its branches, which include the National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force. Students also learn about the relationship of the military reserve to the branches of the military. The course covers non-combat careers in the military, such as military intelligence, information technology, health care, legal services, logistics, aviation, and transportation, and other specialized careers. This course also covers enlistment and fitness requirements for military careers and personal traits that are essential for success in the military. The 16 lessons in the course provide students with both breadth and depth, as they learn about the US Military. Online discussions and course activities require students to develop and apply critical thinking skills while the included games appeal to a variety of learning styles and keep students engaged.</p>	

<b>Introduction to Philosophy</b>	.5
This course provides students an introduction to the field of philosophy and its great, timeless questions. Students explore the origin and evolution of philosophy as a discipline and learn about the times, lives, and intellectual contributions of essential philosophers.	
<b>Introduction to Social Media</b>	.5
This cutting-edge course develops social media skills and knowledge that will have a practical and positive impact in helping your high school students succeed in today's economy. Of course they already engage in social media, but this course enhances their skills and knowledge in order to apply them in a practical way in their careers. Online discussions are a critical aspect of creating a collaborative learning environment, while games and other interactions ensure engagement and promote a strong career orientation.	
<b>Introduction to Social Media: Our Connected World</b>	.5
Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. 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.	
<b>Introduction to World Religions</b>	.5
Introduction to World Religions is a course with 14 lessons that discuss the origins, beliefs, and practices related to various world religions. The target audience for this course is high school students. This course covers subject areas such as: primal religious traditions, sacred stories, Hinduism, Buddhism, Judaism, Christianity, Islam, contemporary religious movements, and many more.	
<b>IS Career Skills Preparation</b>	.5
This independent study class takes its material from a partnership with Jobs for Michigan Grads. It focuses on the essential skills and know-how a student needs in order to have the best opportunity for success after high school. Skills addressed include: dressing for success, resume building, searching for jobs, interview skills, soft skills in any job, etc.	
<b>Law &amp; Order: Introduction to Legal Studies</b>	.5
From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help	

<p>protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society.</p>	
<b>Life Skills</b>	1
<p>This course allows students to explore their personality type and interests, as well as refine important skills that will benefit them throughout their lives, including personal nutrition and fitness skills, time &amp; stress management, communication &amp; healthy relationships, goal setting, study skills, leadership and service, environmental and consumer health, and personal finances. In addition, students will explore possible colleges and careers that match their needs, interests, and talents.</p>	
<b>Lifetime &amp; Leisure Sports</b>	.5
<p>This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of martial arts, Pilates, fencing, gymnastics, and water sports. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the components of fitness, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments, set goals, and participate in weekly physical activity.</p>	
<b>Medical Terminology</b>	.5
<p>In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.</p>	
<b>Music in Movies A</b>	.5
<p>If you like movies and you like music, you will LOVE our MIPS Music in Movies course! In this enjoyable and interactive course, students will learn the many ways that filmmakers use music to enhance their movies. We will be studying film music from Star Wars, How To Train Your Dragon, Lord Of The Rings, and other award-winning films. Students in this course will virtually interact with other students in the analysis of music in movies.</p>	
<b>Music in Movies B</b>	.5

<p>If you like movies and you like music, you will LOVE our MIPS Music in Movies course! This is the second of a two-part course. In this enjoyable and interactive course, students will continue to learn the many ways that filmmakers use music to enhance their movies. Students will be studying film music from other award-winning films. Students in this course will virtually interact with other students in the analysis of music in movies.</p>	
<b>Mythology &amp; Folklore</b>	.5
<p>Introduction to Mythology and Folklore is a one-semester course that discusses myths, legends, and folklore from around the world. This course covers subjects such as Mythology, Legend, Folklore, Gods and the Goddesses, natural events, and wonders of the world.</p>	
<b>Native American Studies: Contemporary Perspectives</b>	.5
<p>This course complements Native American Studies: Historical Perspectives. It explores Native American worldviews, art, media perspectives on Native Americans, and contemporary perspectives and organizations. It concludes by providing a global perspective by examining issues faced by indigenous peoples throughout the world.</p>	
<b>Native American Studies: Historical Perspectives</b>	.5
<p>This course complements Native American Studies: Historical Perspectives. It explores Native American worldviews, art, media perspectives on Native Americans, and contemporary perspectives and organizations. It concludes by providing a global perspective by examining issues faced by indigenous peoples throughout the world.</p>	
<b>Nutrition</b>	.5
<p>This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world- wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet-related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.</p>	
<b>Nutrition &amp; Wellness</b>	.5
<p>This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.</p>	
<b>Online Learning</b>	.5

<p>In this one-semester course, students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, and researching and properly citing information. Explicit modeling and ample practice are provided for each study skill to support student mastery. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and becoming a digital leader. A basic understanding of software and hardware and how to troubleshoot common technology issues are also taught.</p>	
<b>Outdoor Sports</b>	.5
<p>This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in- depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.</p>	
<b>Peer Counseling</b>	.5
<p>Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and empathic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.</p>	
<b>Personal Health &amp; Fitness</b>	.5
<p>This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.</p>	
<b>Personal Training Career Prep</b>	.5
<p>This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.</p>	
<b>Personal Training Concepts</b>	.5

<p>This course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management.</p>	
<b>Personal Psychology I: The Road to Self-Discovery</b>	.5
<p>Self-knowledge is the key to self-improvement. More than 800,000 high school students take psychology classes each year. Among the different reasons, there is usually the common theme of self-discovery. Sample topics include the study of infancy, childhood, adolescence, perception and states of consciousness. The course features amazing online psychology experiments dealing with our own personal behavior.</p>	
<b>Personal Psychology II: Living in a Complex World</b>	.5
<p>This course enriches the quality of students' lives by teaching them to understand the actions of others. Topics include the study of memory, intelligence, emotion, health, stress and personality. This course features exciting online psychology experiments involving the world around us.</p>	
<b>Philosophy: The Big Picture</b>	.5
<p>This course is an exciting adventure that covers more than 2,500 years of history. Despite their sometimes odd behavior, philosophers of the Western world are among the most brilliant and influential thinkers of all time. As students learn about these great thinkers, they'll come to see how and where many of the most fundamental ideas of Western Civilization originated. They'll also get a chance to consider some of the same questions these great thinkers pondered.</p>	
<b>Principles of Public Service: To Serve &amp; Protect</b>	.5
<p>Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you pick up a prescription or take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society and an essential part of public service, a field that focuses on building a safe and healthy world. Principles of Public Service: To Serve and Protect will introduce you to many different careers in this profession and illustrate how they all work together to provide for the common good. The protection of society is one of our greatest challenges, and public service provides a way for people to work together, ensure safety, and provide an indispensable service to those around us. If you've ever contemplated being one of these real-life heroes, now is the time to learn more.</p>	
<b>Psychology</b>	1
<p>This flexible, customizable course gives your students an overview of the history of psychology while also giving them the resources to explore career opportunities in the field. Students will learn how psychologists develop and validate theories and will examine how hereditary, social, and cultural factors help form an</p>	

individual's behavior and attitudes. Students will also evaluate the effectiveness of different types of psychological counseling and therapy. Highly interactive content includes online discussions that help develop critical thinking skills.	
<b>Public Speaking</b>	.5
The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.	
<b>Real Estate</b>	.5
This course provides you with the 40 hours of instruction required to be eligible for a Michigan Real Estate Salesperson license. The course prepares you for the Michigan state licensing exam and provides the practical business knowledge and foundation necessary to be a successful real estate salesperson in Michigan. Upon completion of the course and once you are 18, you can take the actual Michigan Real Estate Licensing exam.	
<b>Real World Parenting</b>	.5
What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Students learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are other topics covered in this course.	
<b>Revolutionary Ideas in Science</b>	.5
This course has 15 lessons that cover the discoveries and inventions in science from prehistoric to present times. This course covers subject areas such as: prehistoric science, technology, ancient and medieval science, the scientific revolution, thermodynamics and electricity, and many more.	
<b>Running</b>	.5
This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness assessments and participate in weekly physical activity.	



<b>SAT (PSAT) or ACT Prep</b>	.5
This is available through an adaptive online program called Prepworks. All high school students have access to this robust program. Prepworks guarantees that students who complete all the components of the program with an 80% will score at least 200 points higher on the SAT.	
<b>Social Issues</b>	.5
Because the specifics of social issues change rapidly, this course is designed to have students discover contemporary and relevant perspectives on issues that may have been around for centuries. Students engage in significant research and each lesson ends with an essay assignment that encourages students to express their opinions. Topics include media, government, civil liberties, poverty, terrorism, crime, the environment, and many more.	
<b>Social Problems I: A World in Crisis</b>	.5
This course introduces students to the topic of social problems. The initial unit helps students develop an understanding of social problems, some of the characteristics common to many of them, and how those problems evolve. Social Problems 1 makes use of labs, discussions, and other learning modalities to maximize effective learning. The course looks closely at the problem of poverty and its root causes, as well as problems in education. It also examines the problem of crime, what has historically succeeded and failed in addressing it, and how to move society forward in effectively mitigating the problem.	
<b>Social Problems II: Crisis, Conflicts, and Challenges</b>	.5
Building on the mastery of basics students acquire in “Social Problems I”, this course explores issues such as globalization, alcohol and drug abuse, gangs and cults, and the ever-present and growing issue of personal privacy and its related complexities. It also addresses issues of nutrition and health, and their impact on society's well being. Discussion questions encourage the development of critical thinking skills, and better equip students for college and career by helping them better understand the issues affecting themselves and their world.	
<b>Sociology</b>	.5
In this course, students explore the various topics and sociological terminology necessary for understanding and exploring the field. Students investigate major sociological perspectives and the famous sociologists who invented and contributed to them. Additionally, students determine how researchers perform valid and reliable sociological studies. This course is ideal for students who are interested in pursuing post-secondary careers in sociology, psychology, law, or other social sciences.	



<b>Sociology: The Study of Human Relationships</b>	.5
The world is becoming more complex. How do beliefs, values and behaviors affect people and the world in which we live? Students examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys are an important component of this relevant and engaging course.	
<b>Sociology: Your Social Life</b>	.5
Sociology is the study of people, social life, and society. By developing a “sociological imagination” students are able to examine how society itself shapes human action and beliefs, and how in turn these factors re-shape society itself. Fascinating online video journeys will not only inform students, but motivate them to seek more knowledge on their own.	
<b>Sports Officiating</b>	.5
In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.	
<b>Sports Physical Education</b>	.5-2
This course guides students through an in-depth examination of an individual sport. This course will provide learning opportunities for students to further develop skills and knowledge related to fitness, physical competence and support reading and writing across the curriculum. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.	
<b>Strength Training</b>	.5
This course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training.	
<b>Structure of Writing</b>	.5
This semester-long course focuses on building good sentences. Students will learn how to put words, phrases, and clauses together and how to punctuate correctly. They will start using sentences in short compositions. As an extra bonus, students will add some new words to their vocabulary, and they will practice spelling difficult words. Near the end of the course, students are to submit a book report. Early in the course, encourage students to start looking for the books they want to read for the book report. They might	

also preview the introduction to that lesson so they know what will be expected.	
<b>Transition Level 1 (2007)</b>	.5-1
This class will focus on the skills needed to transition to adult life. Transition 1 has a focus of learning about ourselves. Students will start a transition portfolio that will show compliance for their IEP.	
<b>Transition Level 2 (2006)</b>	.5-1
This class will focus on the skills needed to transition to adult life. Transition 2 has a focus of learning about working with others. Students will continue to create their transition portfolio that will show compliance for their IEP.	
<b>Transition Level 3 (2005)</b>	.5-1
This class will focus on the skills needed to transition to adult life. Transition 3 has a focus on skills needed in the workplace. Students will continue to create their transition portfolio that will show compliance for their IEP.	
<b>Transition Level 4 (2004)</b>	.5-1
This class will focus on the skills needed to transition to adult life. Transition 4 has a focus on independent living. Students will continue to create their transition portfolio that will show compliance for their IEP.	
<b>Veterinary Science</b>	.5
As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. This course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times humans as well. Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.	
<b>Walking Fitness</b>	.5
This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility.	
<b>Women's Studies</b>	.5
Women's Studies is a course with 14 lessons that introduce students to women's studies, gender studies, and gender roles. The course traces the history of feminism, analyzes feminist theories, and examines intersectionality. Students will learn about social and political movements for the rights of women and other	

vulnerable groups. Students will also learn about social and family structures and socialization, which includes identifying prejudices, biases, and stereotypes that exist in society, and how the media perpetuates some stereotypes about gender roles and identities. The course also covers social and family structures, different forms of oppression, ways to prevent oppression, and methods to help and empower victims. Students will learn about international activism for gender equality, legal rights, and the challenges in achieving equality for all citizens from every section of society. The course combines a variety of content types, including lessons, activities, discussions, and games to engage learners as they discover the significance of women's studies.

## World Geography

1

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to explore it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

## World Religions

1

Throughout the ages, religions 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 Taosim. Students trace major developments in these religions and explore their relationships with social institutions and culture. The course also discusses some of the similarities and differences among the major religions and examines their related connections and differences.



# ADVANCED PLACEMENT

- Some AP Courses may satisfy a core course requirement
- In order to receive college credit, a student must take and pass with an appropriate score (a 3 or 4 out of 5 depending upon the class) in order to qualify for college credit.
  - It is at the discretion of your college choice about whether they will accept this credit and for what courses.

- It is the responsibility of the family to pay the required testing fee. Last year it was \$85 per exam. You will need to let Mr. Peless know by the end of January if you want to take the test.

Course Title & Description	Total Credit
<b>AP Biology</b>	1
This course is taught at the college level and designed to prepare students to take the Advanced Placement Examination and score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Biology Course Description. These include biochemistry, cell structure and function, cell energetics, cellular reproduction and communication, heredity, molecular genetics, evolution, ecology, diversity of organisms, structure and function of plants and animals, and comparative anatomy.	
<b>AP Calculus AB</b>	1
This AP Calculus course is designed with the intent for students to incorporate the concepts of all previous math courses and expand upon these concepts with the implementation of Limits. Emphasis is placed upon the multi-representational approach to calculus where problems and their solutions are explored and interpreted graphically, numerically, analytically and verbally. Students will also be required to explain their answers in written form and will be asked to compare their written response to the AP grading rubric and explain why they feel they should receive that grade. Students are required to use graphing calculators with the capabilities ascribed by the College Board: (apcentral.collegeboard.com). These calculators will be used in a variety of ways including multi-representation of equations (graphs and tables) and also for conducting explorations with various functions and how different values change the look of the function.	
<b>AP Chemistry</b>	1
This course is taught at the college level and is designed to prepare students to take the Advanced Placement Examination and to score high enough to earn college credit in those colleges that recognize the examination. College level textbooks are used. The course will cover all of the topics in the AP Chemistry Course Description. These include an introduction to chemistry as the study of change, gases, thermochemistry, quantum theory, chemical bonding, crystals, phase changes, solutions, chemical kinetics, chemical equilibrium, acids and bases, entropy, electrochemistry, nuclear chemistry, metallurgy, alkali and alkaline metals, non metallic metals, transition metals, organic chemistry, and synthetic and natural organic polymers.	
<b>AP Computer Science</b>	1
This course is designed to introduce students to the basic concepts of computer programming. Students	

<p>learn how to compile and run a Java program. They learn to use arithmetic, relational, and logical operators. They learn to use different decision-making and loop statements. They learn to create classes, methods, String objects, and an ArrayList object. They learn to perform sequential search, binary search, selection sort, and insertion sort on an array. They learn to implement object-oriented programming design. They learn to implement inheritance, polymorphism, and abstraction. Further, they describe privacy and legality in the context of computing.</p>	
<b>AP English Literature and Composition</b>	1
<p>Both semesters of AP English Literature and Composition have been designed to challenge students to read and interpret a wide range of literary works. This course allows students to explore a variety of genres and literary periods and to write clearly about the literature that they encounter. By the end of the second semester, the student will be well prepared for the AP examination and will have acquired analytical skills that will be used throughout life. The first semester of this course focuses on the elements of fiction. The student will spend a considerable amount of time reading and analyzing a variety of short stories and novels. The student will evaluate how the elements of plot analysis, characterization, theme, point of view, symbolism, allegory, irony, and humor work together to create a story or novel that is worthy of literary acclaim. In addition to reading, the student will complete a wide variety of writing pieces in order to develop better writing skills in the following areas: narrative, exploratory, expository, and argumentative.</p>	
<b>AP French</b>	1
<p>Our online AP French Language &amp; Culture course is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical and communicative skills. The AP French Language course prepares them for the AP French exam. Its foundation is the three modes of communication (Interpersonal, Interpretive and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century.</p>	
<b>AP Spanish</b>	1
<p>The AP® Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP® Spanish Language and Culture test. It uses as its foundation the three modes of communication: interpersonal, interpretive and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: (1) global challenges, (2) science and technology, (3) contemporary life, (4) personal and public identities, (5) families and communities, and (6) 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. Students should expect to listen to, read, and understand a wide-variety of authentic Spanish-language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of Spanish speaking areas of the world, use Spanish to connect with other disciplines and expand knowledge in a wide-variety of contexts, develop insight into the nature of the Spanish language and its culture, and use</p>	

Spanish to participate in communities at home and around the world. The AP® Spanish Language and Culture course is a college level course. The intensity, quality, and amount of course material can be compared to that of a third-year college course.

<b>AP US History</b>	1
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AP United States History is an intensive full year course divided into two semesters. The course focuses on exploring and analyzing American historical events, individuals and cultural trends. You will be prepared with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. This first semester course covers the time frame of 1492 to 1877, and the second semester course covers the time frame 1878 to present.

This course is designed to prepare students for the Advanced Placement exam in United States History that is administered by the College Board Educational testing center. The class satisfies the United States History requirement for graduation.



# MIDDLE SCHOOL COURSES CURRICULUM OVERVIEW

- Courses marked with # signify possibility of high school credit
  - These must have prior evidence of accelerated learning and permission from either the Director of Student Services or the Director of Curriculum and Instruction
- Students are required to take the basic course for their respective grade level each year (i.e. English 6, Science 7, etc.)
- Students need 10 courses per year so they may choose four elective courses per year.
  - If they finish their 10, they may always take more (including into the next grade level).



# ENGLISH

- These are the required courses for all middle school students in English each year.

Course Title & Description	Total Credit
<b>English 6</b>	1
This course provides a strong foundation in grammar and the writing process. It emphasizes simple but useful composition and language mechanics strategies with multiple opportunities for modeling practical, real-world writing situations that will enable students to improve their written communication skills quickly. Through a variety of grade-appropriate reading selections, students develop a clear understanding of key literary genres and their distinguishing characteristics.	
<b>English 7</b>	1
English 7 Integrates the study of writing and literature through the examination of a variety of genres. Students identify the elements of composition in the reading selections to understand their function and effect on the reader. Practice is provided in narrative and expository writing. Topics include comparison and contrast, persuasion, and cause and effect essays, as well as descriptive and figurative language. Lessons are supplemented with vocabulary development, grammar, and syntax exercises, along with an introduction to verbal phrases and research tools.	
<b>English 8</b>	1
Extends the skills developed in English 7 through detailed study of parts of sentences and paragraphs to understand their importance to good writing. Students also acquire study skills such as time management and improved test-taking strategies. Other topics include punctuation, word choice, syntax, varying sentence structure, subordination and coordination, detail and elaboration, effective use of reference materials, and proofreading.	
<b>English 9 #</b>	1
English 9 introduces the elements of writing poems, short stories, plays, and essays. Grammar skills are enhanced by the study of sentence structure and style and by student composition of paragraphs and short	



essays. Topics include narration, exposition, description, argumentation, punctuation, usage, spelling, and sentence and paragraph structure.

### Reading

.5-3

This course combines adaptive diagnostic assessment with individualized learning pathways to promote growth for students. As students need reading support, this course helps build the foundational skills they may be lacking. This course includes live skill-based group and/or individual sessions with our Reading Interventionist.

### MyLexia Reading

.5-1

When students are shown to be in need of additional reading support, we will use the Lexia Rapid Assessment to diagnose their struggles more deeply. Then, we have them work with our Reading Specialist through the MyLexia Reading program using PowerUP to help close the gaps.



## MATHEMATICS

- These required math courses for all middle school students. Advanced mathematics courses must be approved by the Academic Advising Department.

Course Title & Description	Total Credit
<b>Math 6</b>	1
This middle school course will provide students with a deep understanding and mastery of the objectives that will prepare them for algebra. It is aligned to Common Core State Standards, and is based on best practices in the teaching of mathematics and the disciplines of STEM learning. Students will develop 21st century skills as they master ratios and proportional relationships; the number system; and number visualization. The course is highly engaging while being easy for teachers to customize and manage.	
<b>Math 7</b>	1
Math 7 builds on material learned in earlier grades, including fractions, decimals, and percentages and introduces students to concepts they will continue to use throughout their study of mathematics. Among	

these are surface area, volume, and probability. Real-world applications facilitate understanding, and students are provided multiple opportunities to master these skills through practice problems within lessons, homework drills, and graded assignments.	
<b>Math 8</b>	1
This course is designed to enable all students at the middle school level to develop a deep understanding of math objectives and leaves students ready for algebra. The first semester covers objectives in transformations, linear equations, systems of equations, and functions. The second semester focuses on scientific notation, roots, the Pythagorean Theorem and volume, and statistics and probability. The course is based on the Common Core State Standards Initiative and on a modern understanding of student learning in mathematics.	
<b>Algebra I (Counts as HS Credit)</b>	1
This course advances the ability of students to think algebraically, taking them from middle school work with variables and linear equations to the exploration of non-linear function types and more advanced calculations with variable expressions. Students will work with expressions, equations, inequalities, and functions. The course places considerable emphasis on identifying key features of functions in various forms, such as graphs, tables, and equations. It also fosters an understanding of functions as relationships that help people in many walks of life calculate and plan. The course brings these concepts to students in many forms, including interactive graphing, videos of solving problems, and many practice items.	
<b>Mathematics</b>	.5-3
This course combines adaptive diagnostic assessment with individualized learning pathways to promote growth for students. As students need math support, this course helps build the foundational skills they may be lacking. This course includes live skill-based group and/or individual sessions with our Math Interventionist.	



# SOCIAL STUDIES

- These required social studies courses for all middle school students.

Course Title & Description	Total Credit
<b>MS Social Studies 6 World Geography 6th-grade</b>	1
In Middle School World Geography, learners will review the tools and mental constructs used by historians and geographers. They will develop an understanding of the global world and will study contemporary geography of the Eastern Hemisphere. Contemporary civics/government and economics content is integrated throughout the year. As a capstone, the students will conduct investigations about past and present global issues. Using significant content knowledge, research, and inquiry, they will analyze the issue and propose a plan for the future. As part of the inquiry, they compose civic, persuasive essays using reasoned argument.	
<b>MS Social Studies 7 World History &amp; Geography 7th-grade</b>	1
In Middle School World History, learners will study major historical world events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. They will explore the development of early humans and early civilizations. They will be introduced to the origins of major world religions, such as Hinduism and Buddhism. Also, learners will study the medieval period. Historical thinking and geography skills will be taught and utilized throughout the course.	
<b>MS Social Studies 8 US History 8th-grade</b>	1
In Middle School U.S. History, learners will explore historical American events with the help of innovative videos, timelines, and interactive maps and images. The course covers colonial America through the Reconstruction period. Learners will develop historical thinking and geography skills, which they will use throughout the course to heighten their understanding of the material. Specific topics of study include the U.S. Constitution, the administrations of George Washington and John Adams, the War of 1812, and the Civil War.	



# SCIENCE

- These required science courses for all middle school students.

Course Title & Description	Total Credit
<b>Science 6</b>  This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a sixth-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19), focusing on basic physical science, Earth and space science, and ecosystems. Content topics include structure and properties of matter, forces and motion, the Earth and space, the history of the Earth, the interdependence of ecosystems, and weather and climate.  During the second semester this course students will explore the Earth's hydro and atmospheres, weather and climate and natural resources along with human impacts on the Earth. The students' learning will be reinforced with hands-on (when possible) and virtual activities, short writes, and projects.  Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).  <i>Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus for details on lab materials.</i>	1
<b>Science 7</b>  This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with a seventh-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19), focusing on cells, the life cycle, nutrition, chemical reactions, force fields, and energy. Content topics include cells and human body systems, the life cycle, nutrition and energy, chemical reactions, force fields, and energy.  During the second semester this course will be dedicated to exploring the Earth's ecosystems. Students will learn about artificial, forest, grassland, chaparral, desert, tundra, freshwater, marine ecosystems and their	1

local ecosystems. The students' learning will be reinforced with hands-on (when possible) and virtual activities, short writes, and projects

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

*Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus for details on lab materials.*

## Science 8

1

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with an eighth-grade integrated science course (NGSS Appendix K: Modified Conceptual Progression Model, p. 19). Content topics include genes and adaptations, evolution, energy and the Earth, the Earth's changing climate, waves, and technology and human impacts on the Earth.

During the second semester, this course will concentrate on introducing students to physics that will include kinematics (motion), forces, energy, waves and simple electromagnetism. The students' learning will be reinforced with hands-on(when possible) and virtual activities, short writes, and projects.

Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3).

*Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus for details on lab materials.*



## Middle School Foreign Language

- Students who are ready for a foreign language in middle school will take the high school version and receive high school credit upon successful completion of the course.

Course Title & Description	Total Credit
<b>Spanish I #</b>	1
Spanish is the most spoken non-English language in U.S. homes, even among non-Hispanics, according to the Pew Research Center. There are overwhelming cultural, economic, and demographic reasons for students to achieve mastery of Spanish. Spanish 1A and B engage students and use a variety of activities to ensure student engagement and to promote personalized learning. These courses can be delivered completely online, or implemented as blended courses, according to the unique needs of the teacher and the students.	
<b>Spanish II #</b>	1
Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions. These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices.	
<b>French I #</b>	1
These courses are based on a researched scope and sequence that covers the essential concepts of French. Class discussions provide an opportunity for discourse on specific topics in French. A key support tool is the Audio Recording Tool that enables students to learn a critical skill for French: listening and speaking. Beginning with learning personal greetings and continuing through practical communications exchanges, French 1B introduces students to the skills necessary to make the most of traveling to French-speaking countries.	
<b>French II #</b>	1
Each of these semesters is designed to build on the principles mastered in French 1 and use a combination	

<p>of online curriculum, electronic learning activities, and supporting interactive activities to fully engage learners. Unit pretests, post-tests, and end-of-semester tests identify strengths and weaknesses, helping to create a more personalized and effective learning experience. As with French 1, these 90-day courses emphasize practical communication skills while also building intercultural awareness and sensitivity.</p>	
<b>German I #</b>	1
<p>As with all Edmentum world language courses, German 1 A and B address two primary issues: providing a meaningful context that encourages learners to think in the target language as much as possible; and introducing grammatical concepts without over reliance on grammatical analysis. German 1A focuses on communicating basic and practical greetings and personal information. German 1B consists of five units over about 14 weeks, with an emphasis on a variety of practice types throughout the course.</p>	
<b>German II #</b>	1
<p>According to The Economist and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent interest in their cultural past, present, and future. These courses employ direct-instruction approaches, including application of the target language through activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German.</p>	
<b>Sign Language I (ASL) #</b>	.5
<p>In this course, students are introduced to the fundamental concepts of American Sign Language. Students explore vocabulary, grammar, and conversational skills using basic signing and fingerspelling techniques. They are exposed to activities and exercises that help them understand the culture of deaf and hard-of-hearing people.</p>	
<b>Sign Language II (ASL) #</b>	.5
<p>In this course, students continue their study of American Sign Language (ASL). Students expand their ASL vocabulary, grammar, and conversational skills. In addition, students complete activities and exercises that help them understand the culture of the deaf and hard-of-hearing community, including analyzing Deaf View/Image Art (De'VIA).</p>	



## Middle School Electives

- These courses may be used to complete your full load of 10 courses per year.
- Once you have scheduled the basic courses for each grade level (marked with a 6, 7, or 8) then you may choose from additional courses here.
  - At least 4 elective courses per year are required.
- If you are completing your courses on-time and receiving at least a B- average, then you may also select courses from the high school electives (or core) lists as well.
  - This requires approval from either the Director of Student Services or the Director of Curriculum and Instruction.

Course Title & Description	Total Credit
<b>Appreciating Music (Qualifies for HS Credit)</b>	.5-1
<p>If you enjoy listening to music this course is for you! The purpose of Appreciating Music is to increase students' musical awareness and give them the tools to actively listen to, discuss, and critique various styles of modern-day music such as Pop, Rock, R&amp;B, Country, and other styles. Appreciating Music begins with the study of the basic elements that make up all music. These elements are then used as a foundation for class discussions and activities throughout the rest of the semester. By the end of this course, students will have an increased understanding and appreciation for how music impacts people and will have studied modern-day music of different styles. The second half of Appreciating Music (1B) builds on the material covered in the first semester. During this semester students will study the music of various world cultures and learn more about the development of music throughout history.</p>	
<b>Guitar 1</b>	.5-3
<p>Beginning Guitar is for students that have little to no experience at playing guitar but would like to learn the fundamentals. Students in this course will receive instruction from video lessons and occasional 1on1 virtual lessons from expert instructors.</p>	
<b>Beginning Piano</b>	.5-3
<p>If you want to learn to play the piano or have 1-3 years of lessons then Beginning Piano is for you! Students in this course will be trained on the fundamentals of the piano through video instruction lessons as well as occasional 1on1 virtual lessons with expert piano instructors. Beginning Piano students will have the optional opportunity to perform in a public recital at the end of the year.</p>	



<b>Intermediate Piano</b>	.5-3
Intermediate Piano is for students that are ready for instruction that goes beyond the fundamentals of piano. Typically students in their 3rd or 4th year of piano study will be ready for Intermediate Piano. Students in Intermediate Piano will receive regular 1on1 virtual lessons with expert piano instructors in addition to receiving instruction through videos. Intermediate piano students will be expected to perform in a public recital at the end of the year.	
<b>Introduction to 3D Printing</b>	.5
Technological advances have made engineering and prototyping much more accessible in recent years. What was once only available for people with high levels of post-secondary training can now be done by students as young as middle school. 3D printing has been out there for quite some time but is nowadays more accessible than ever. Students taking this middle school elective course will have a blast learning how to draw 3D objects that will then be 3D printed on our state-of-the-art printers located at The Hive at Cleary University in Howell. Each student will learn how to use OnShape, a free for educational use professional CAD application, to create these parts. And MIPS will ship out each 3D printed part to the students at the end of the semester. Students are invited to use our Modern Tech Lab at The Hive in Howell or they can even create these parts on their MIPS-issued Chromebooks. This is a great course for any student, but especially for students interested in delving deeper by taking our Introduction to Engineering courses in high school.	
<b>Art History and Appreciation</b>	.5
This course explores the main concepts of art, expression, and creativity as it helps students answer questions such as what is art; what is creativity; and how and why people respond to art. It covers essential design principles such as emphasis, balance, and unity. Units include: Art, History, and Culture; Western and World Art Appreciation; and Art and the Modern World.	
<b>MS Academic Success</b>	.5
In this one-semester course, students will learn how to take control of their own academic success by understanding motivation, evaluating study habits, and learning styles. Students will learn note-taking skills, memorization techniques, test preparation strategies, and reading techniques.	
<b>MS Career Explorations A</b>	.5
What career are you best suited for? In this course, students will explore career options in many different fields including business, health science, public administration, the arts, and information technology. This course allows students to begin exploring options in fields such as teaching, business, government, hospitality, health science, IT, and more in order to find a pathway that works best for them.	
<b>MS Career Explorations B</b>	.5

This course prepares middle school students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development.	
<b>MS Digital Art A &amp; B</b>	.5-1
Welcome to Digital Art Class! Develop your digital art knowledge and skills! This course is an introduction to applications and platforms that allows students to explore a variety of creative digital art activities. These may include the creation of photographs, videos, graphic designs, and illustrations. Gain an understanding of what creates an eye-catching photo, learn how video game designers plan and develop work, and build a portfolio of digital images. Please note that 75 percent of assignments in this course will be created digitally (using a computer or iPad), while 25 percent of assignments will use a sketchbook to plan and document ideas.	
<b>Drawing &amp; Painting A &amp; B</b>	.5-1
Welcome to Drawing and Painting! Ever wonder how you can grow your artistic abilities? In this course, students will be learning about different artists from around the world while planning, creating, and reflecting on their own art. Using the tools, tricks and techniques of professional artists, students will create people and objects that leap off the page. Students will use their sketchbook to put down ideas and impressions. We'll be learning how to analyze, interpret and evaluate art. Best of all, students will create a sketchbook portfolio of work that demonstrates their own skill and growth as an artist.	
<b>MS Health</b>	.5
Middle School Health aids students in creating a foundation of personal health. Beginning with properly defining health, this course then builds upon basic health practices to emphasize the importance of balance. Attention is given to each of the six dimensions of wellness; namely, physical, intellectual, emotional, spiritual, social, and environmental. Students are taught the skills necessary to improve every aspect of health. They are also encouraged to reflect upon their own personal wellness each week.	
<b>MS Journalism A</b>	.5
Who? What? When? Where? Journalism provides us with the answers to these questions for the events that affect our lives. In this course, students will learn how to gather information, organize ideas, format stories for different forms of news media, and edit their stories for publication. The course will also examine the historical development of journalism and the role of journalism in society.	
<b>MS Journalism B</b>	.5
In this course students will learn how to prepare a newscast and edit an article. The course will examine the role of media in society and the history of journalism.	
<b>MS Online Learning</b>	.5

<p>In this one-semester course, students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, and researching and properly citing information. Explicit modeling and ample practice are provided for each study skill to support student mastery. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and becoming a digital leader</p>	
<b>MS Photography: Drawing with Light A</b>	.5
<p>“A picture is worth a thousand words.” Photographs play an important role in our world today. We photograph to preserve memories, document events, and create artistic works. This course introduces students to the basics of photography, including camera functions and photo composition. Students will learn what it takes to create a good photograph and how to improve photographs of animals, people, and vacations. They will also begin working with their photographs using photo-editing software. Through a variety of assigned projects, students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras.</p>	
<b>MS Photography: Drawing with Light B</b>	.5
<p>In this course students will begin working with their photographs using photo-editing software. Through a variety of assigned projects, students will engage their creativity by photographing a range of subjects and learning to see the world through the lens of their cameras.</p>	
<b>MS Skills Resource Room</b>	.5-1
<p>The Skills Resource Room is a two semester, 1 credit course offered to students with IEPS. During this course students will learn the academic strategies and skills necessary to reach their academic potential. This course focuses on teaching students test taking, time management, and organizational skills.</p>	
<b>MS Theatre</b>	.5-1
<p>In this class, students will continue their study of the basic concepts and begin to refine their presentational skills. Students will use various creative drama techniques to build ensembles, stimulate imagination, movement, and role-play with an emphasis on believability and sensory awareness. Students will use observation and emotional memory to reveal thoughts and feelings and to build believable characters and situations. Students will learn and use drama and theatre vocabulary in class discussions and the activities will address the promotion and reinforcement of students' literacy skills.</p>	
<b>Music in Movies</b>	.5-1
<p>If you like movies and you like music, you will LOVE our MIPS Music in Movies course! In this enjoyable and interactive course, students will learn the many ways that filmmakers use music to enhance their movies. We will be studying film music from Star Wars, How To Train Your Dragon, Lord Of The Rings, and other award-winning films. Students in this course will virtually interact with other students in the analysis of music in movies. During the second half of this two-part course students will continue to learn the many ways that filmmakers use music to enhance their movies. Students will be studying film music from other</p>	

award-winning films. Students in this course will virtually interact with other students in the analysis of music in movies.