



MICHIGAN
INTERNATIONAL
PREP SCHOOL

MIDDLE AND HIGH SCHOOL 2026-2027 COURSE CATALOG

Michigan International Prep School
miprepschool.org

MIDDLE AND HIGH SCHOOL COURSE CATALOG 2026-2027

Welcome to Michigan International Prep School (MIPS). We are delighted to collaborate with you and your family as you work toward the goal of earning a high school diploma.

This document serves as your guide to the comprehensive list and detailed descriptions of the middle and high school courses available, offering a wide array of options designed to meet the diverse needs of every student.

In addition to the courses listed in this document, students have the opportunity for many individualized options such as dual enrollment, early middle college, work based learning, or partnerships with local districts for specific in person course offerings. Eligibility is based on each student's individual academic progress and achievement. For more detailed information, please contact the College and Career Coordinator.

The sources of our curriculum are prescreened and verified to be aligned with the State of Michigan Academic Standards and are designed to prepare students for the Michigan Merit Exam (MME). Where applicable, courses are approved to meet NCAA-initial eligibility requirements. A complete list of courses that are NCAA-initial eligibility approved can be provided by the student's counselor upon request.

Our curriculum comes from the following:

- Edmentum
- Edgenuity
- Subject.com
- MIPS Designed Curriculum
- IXL
- MICE
- Lingco
- CodeHS

If you have any questions related to our curriculum, instruction, and assessment, please feel free to contact the Director of Adult Learning and District Advancement.

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

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BOARD OF EDUCATION AND LEADERSHIP TEAM

BOARD OF EDUCATION

Carol Mitchell	<i>President</i>
Kevin Trobaugh	<i>Vice President</i>
Mike Senyko	<i>Secretary</i>
Heather Wills	<i>Treasurer</i>
Kyle Opperman	<i>Trustee</i>

LEADERSHIP TEAM

Andrew Hulbert	<i>Superintendent</i>
Christopher Card	<i>Director of the School of Arts</i>
Charles Carver	<i>Director of Human Services</i>
Logan Dean	<i>Director of Mentoring Services</i>
Danielle Dias	<i>Director of Adult Learning & District Advancement</i>
Amy Dunlap	<i>Director of Family Engagement, Marketing, and Legislative Advocacy</i>
Jamin Jones	<i>Executive Director of Special Education & Data Compliance</i>
Teresa Kellerman	<i>Elementary Principal</i>
Jenny Lawson	<i>Director of Administrative Systems</i>
David Pilgreen	<i>Secondary Principal</i>

VISION STATEMENT

To create an individualized educational pathway that inspires a passion for learning, cultivates a global awareness, and prepares students for a smooth transition into the workforce.

MISSION STATEMENT

Michigan International Prep School serves students and families first!

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CURRICULUM OVERVIEW

MIPS Grad - 26/27 (20 Credits)	MIPS Grad - 2028+ (20 Credits)	NCAA - 2028+ (20 Credits)
English ENG (4 CR) ❖ 1 CR English 9 ❖ 1 CR English 10 ❖ 1 CR English 11 ❖ 1 CR English 12 Math MATH (4 CR) ❖ 1 CR Algebra I ❖ 1 CR Geometry ❖ 1 CR Algebra II ❖ 1 CR Final Year Math Elective Science SCI (3 CR) ❖ 1 CR Biology ❖ 1 CR of Chemistry, Physics, Physical Science, Anatomy, or Agricultural Science ❖ 1 CR Sci. Elective or CTE Social Studies SOC (3 CR) ❖ 1 CR US History ❖ 1 CR World History ❖ .5 CR Government ❖ .5 CR Economics P.E./Health PHYS (1 CR) ❖ .5 CR Physical Education ❖ .5 CR Health Foreign Language FLA (1 CR) ❖ 1 CR World Language Visual/Perf/App'l Arts VPAA (1 CR) ❖ 1 CR of any VPAA For. Lang./VPAA/CTE FLEX (1 CR) ❖ 1 CR of any VPAA/CTE/Foreign Lang. (FLA must be in same language as first awarded credit) Electives ELEC (2 CR) ❖ 2 CR any elective	English ENG (4 CR) ❖ 1 CR English 9 ❖ 1 CR English 10 ❖ 1 CR English 11 ❖ 1 CR English 12 Math MATH (3.5 CR) ❖ 1 CR Algebra I ❖ 1 CR Geometry ❖ 1 CR Algebra II ❖ .5 CR Final Year Math Elective Science SCI (3 CR) ❖ 1 CR Biology ❖ 1 CR of Chemistry, Physics, Physical Science, Anatomy, or Agricultural Science ❖ 1 CR Sci. Elective or CTE Social Studies SOC (3 CR) ❖ 1 CR US History ❖ 1 CR World History ❖ .5 CR Government ❖ .5 CR Economics Personal Finance PF (0.5 CR) ❖ .5 CR Personal Finance OR ❖ .5 CR from Econ w/embedded Personal Finance P.E./Health PHYS (1 CR) ❖ .5 CR Physical Education ❖ .5 CR Health Foreign Language FLA (1 CR) ❖ 1 CR World Language Visual/Perf/App'l Arts VPAA (1 CR) ❖ 1 CR of any VPAA For. Lang./VPAA/CTE FLEX (1 CR) ❖ 1 CR of any VPAA/CTE/Foreign Lang. (FLA must be in same language as first awarded credit) Electives ELEC (2 CR) ❖ 2 CR any elective	English ENG (4 CR) ❖ 1 CR English 9 ❖ 1 CR English 10 ❖ 1 CR English 11 ❖ 1 CR English 12 Math MATH (4 CR) ❖ 1 CR Algebra I ❖ 1 CR Geometry ❖ 1 CR Algebra II ❖ 1 CR Final Year Math Elective Science SCI (3 CR) ❖ 1 CR Biology ❖ 1 CR of Chemistry, Physics, Physical Science, Anatomy, or Agricultural Science ❖ 1 CR Sci. Elective or CTE Social Studies SOC (3 CR) ❖ 1 CR US History ❖ 1 CR World History ❖ .5 CR Government ❖ .5 CR Economics Personal Finance PF (0.5 CR) ❖ .5 CR Personal Finance OR ❖ .5 CR from Econ w/embedded Personal Finance P.E./Health PHYS (1 CR) ❖ .5 CR Physical Education ❖ .5 CR Health Foreign Language FLA (1 CR) ❖ 1 CR World Language Visual/Perf/App'l Arts VPAA (1 CR) ❖ 1 CR of any VPAA For. Lang./VPAA/CTE FLEX (1 CR) ❖ 1 CR of any VPAA/CTE/Foreign Lang. (FLA must be in same language as first awarded credit) Electives ELEC (1.5 CR) ❖ 1.5 CR any elective

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To graduate with a State of Michigan Diploma, students must meet the Michigan Graduation requirements which are outlined above.

*Alternative requirements for students placed in the Adult Learning program. Please contact the Director of Adult Learning for more information.

Each semester course is worth 0.5 a credit, unless otherwise noted.

Decision on which classes to take will be made in conjunction with a student's counselor 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, vocational programs, certifications, colleges, etc. as they plan for their future.

MIPS provides students with opportunities to take courses through Dual Enrollment with approved colleges and universities, participation in Early Middle College Programs, enrolling in Michigan Virtual courses, and engaging in work-based learning experiences. MIPS works with students and their families to plan the best pathway that aligns with the Michigan Merit Curriculum.

A guardian or student (if over 18) may request accommodations to the traditional MMC through what is known as a Personal Curriculum (PC). More information about PCs can be requested from your student's counselor. If there are questions, please reach out to the Secondary Principal for more information.

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HS ENGLISH LANGUAGE ARTS

Four Credits of English Language Arts are required to graduate. If you would like an additional English based class as an elective, see the High School Electives section.

Course Title & Description	Total Credit
AP English	1 Credit
Pathways: NCAA-Initial Eligibility, Elective	Platforms: EDM, SBJ
AP English Literature and Composition (EDM) This online course teaches advanced reading and writing skills through the study, analysis, and evaluation of literature, adhering to the AP English Literature & Composition curriculum. Units focus on both writing instruction and in-depth literary analysis, requiring close and extensive reading. Students will explore authors' use of language, structure, themes, and literary devices. Writing assignments are varied, including arguments, analyses, interpretations, evaluations, and college essays, emphasizing style, precision, and correctness to reinforce reading comprehension.	
AP English Language and Composition (EDM, SBJ) This course has been authorized by the College Board® to use the AP designation. This college-level course analyzes rhetoric and its cultural impact through notable fiction and nonfiction texts (pamphlets, speeches, essays, etc.). It prepares students for the AP exam and future study in communications, creative writing, journalism, literature, and composition. Students become skilled readers and analytical thinkers by examining diverse texts through a rhetorical lens, focusing on language, purpose, and audience. They hone their own language effectiveness by writing expository and narrative texts, and they develop informed arguments through research. Assessments are specifically designed to prepare students for the AP Exam. Recommended for 11th and 12th graders, this College Board® authorized course fulfills 11th-grade requirements.	
English 9 (English I)	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, CR, Honors	Platforms: GC, EDG EDM, SBJ
This year-long course focuses on the Bildungsroman (Coming of Age) genre. The first half examines the concept through classic and modern young adult literature, emphasizing diverse perspectives. The second half shifts to students applying the concept to their own lives through reflective and creative projects focused on self-discovery. Core skills in critical thinking, reading, writing, and speaking/listening are developed.	

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English 10 (English II)	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, CR, Honors	Platforms: GC, EDG EDM, SBJ
This English course analyzes classic, modern, and world literature, as well as informational and seminal texts, focusing on language, themes, literary elements, and argument development. The first half emphasizes close reading, analyzing central ideas and structure, and applying techniques to compositions and brief analyses. The second half includes reading literature (including Shakespeare) to explore themes through characterization and structure, and analyzing effective arguments in seminal documents. The course concludes with a research paper.	
English 11 (English III)	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, CR, Honors	Platforms: GC, EDG EDM, SBJ
English/Language Arts is the study of the creation and analysis of literature written in the English language. In this course you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In this course, you will read and analyze different genres in literature with an emphasis on American literary movements over time. You will also complete writing activities to evaluate literary works with regards to literary techniques, form, and theme.	
English 12 (English IV)	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, CR, Honors	Platforms: GC, EDG EDM, SBJ
English/Language Arts is the study of the creation and analysis of literature written in the English language. In this course you will explore the relation between British history and literature from the Anglo-Saxon period through the neoclassical era, including the works of Shakespeare. You will read and analyze a variety of literary works from this time period by using relevant cultural and political history presented in each lesson. In this course, you will also study a variety of techniques to improve your reading comprehension, writing skills, and grammar and mechanics. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In addition, you will complete writing activities using your analytical and persuasive skills.	

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HS MATHEMATICS

Four credits of mathematics are required to graduate. Every student must have a mathematics experience their senior year even if they complete four credits by the end of their junior year.

- Students must have Algebra I, Geometry, and Algebra II plus one more mathematics elective credit
- Personal curriculum options are available for Algebra II.
- Any of the other math classes listed in this section will count for the fourth math class.
- Class of 2028 and beyond must take Personal Finance (0.5 Credit) which can be taken as a Mathematics credit or a Social Studies (0.5 Credit)

Course Title & Description	
Algebra I	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, Credit Recovery, Honors, Middle School	Platforms: GC, EDM, EDG, SBJ
Algebra I is a foundational course that covers essential algebraic concepts, including representing relationships, linear equations, and inequalities. The full-year curriculum delves into critical areas such as linear and exponential functions, systems of equations, descriptive statistics, and quadratic functions and modeling. Students develop fluency in solving various expressions and equations while learning to interpret, analyze, and compare functions using numerical, graphical, and algebraic representations. Multiple course pathways, including credit recovery and honors sections, emphasize quantitative reasoning and critical thinking through an option of synchronous, asynchronous, or blended instruction. <i>*This course can be taken by 8th graders seeking to earn HS credits if eligibility requirements are met.</i>	
Algebra II	MMC Requirement: 1 Credit
Pathways: NCAA-Initial Eligibility, Credit Recovery, Honors	Platforms: GC, EDM, EDG, SBJ
Algebra II is a comprehensive course building upon foundational algebra by concentrating on advanced functions, including polynomial, radical, rational, exponential, and logarithmic types. The curriculum reviews linear and quadratic functions to establish a solid foundation for studying new functions, periodic phenomena, and arithmetic and geometric sequences. Students expand their arithmetic skills to encompass complex numbers and algebraic expressions, making connections between verbal, numeric, algebraic, and graphical function	

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representations. A key goal is applying this knowledge to create equations and inequalities that model and solve mathematical and real-world problems, often utilizing technology. The course also delves into introductory concepts of statistics and probability, focusing on sampling techniques and making inferences from data.

Calculus

1 Credit

Pathways: NCAA-Initial Eligibility, AP, Math Elective for MMC

Platforms: EDM

Calculus is the mathematics of change, designed to solve complex, continuously evolving problems that traditional algebra and geometry cannot address. This advanced course aims to develop students into deep mathematical thinkers through rigorous study. Students explore the fundamental calculus concepts of limits, differentiation, and integration, learning to apply these concepts in meaningful ways. The curriculum is split into two semesters, with the first half focusing on functions, limits, differentiation, and their applications. The second semester builds upon this foundation to concentrate on integrations, including definite and indefinite integrals and various techniques.

Concepts in Probability & Statistics

1 Credit

Pathways: Math Elective Credit for MMC

Platform: EDG

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 scatterplots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets.

Consumer Math

1 Credit

Pathways: Math Elective Credit for MMC

Platform: EDM

In this course, you will learn practical applications of math. You will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. You will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help you make informed decisions about buying or renting a home or car and teach you how to protect your purchases and investments with insurance. Finally, you will study economics, or the science of the creation, distribution, and consumption of goods and services. You'll see how economics affects you as an individual and how it affects the country as a whole.

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Financial Algebra A & B	1 Credit
Pathways: Math Elective Credit for MMC	Platform: SBJ
"Financial Algebra: Essential Skills for the Modern Financial World" is a two-semester course designed to equip students with contemporary financial and mathematical literacy. The curriculum progresses from personal finance basics (budgeting, income) to banking services (online banking, loans), wealth protection (insurance, identity theft), and modern investment/retirement strategies. The course concludes with an application of financial knowledge to business and entrepreneurship, using up-to-date data and technology to develop critical financial decision-making skills.	
Financial Math A & B	1 Credit
Pathways: Math Elective Credit for MMC	Platform: EDG, EDM
Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.	
Financial Literacy II	.5 Credit
Pathways: Math Elective Credit for MMC	Platform: SBJ
This course develops financial literacy, building on Financial Literacy I, by teaching essential topics: income, expenses, banking, budgeting, and the basics of investing. Students will explore investment theory, including retirement, real estate, and venture capital, and must develop well-supported arguments on personal finance, preparing them to manage their own finances.	
Geometry A & B	MMC Requirement: 1 Credit
Pathways: NCAA Initial Eligibility, CR, Honors	Platform: GC, EDG, EDM, SBJ
Geometry uses logic to define relationships and properties of points, lines, angles, plane figures, and solids. The first half of the course covers foundational geometry, coordinate geometry, and transformations, using them to establish congruence and similarity of polygons. You will investigate theorems about lines, angles, triangles, parallelograms, and other polygons, and build geometric constructions. The second half explores right triangles, trigonometry, circles, and	

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applying geometry to probability. You will also measure surface area and volume of solids, using these concepts to model and solve real-world problems.	
Math Models A & B	1 Credit
Pathways: <i>Math Elective</i>	Platform: EDG
Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment loan models. Providing timely and highly useful content, this two-semester course is a must-have for any high school student. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.	
Mathematics/Integrated Math	1 Credit
Pathways: <i>NCAA Initial Eligibility, CR, Math Elective</i>	Platform: EDM, SBJ
Mathematics I This mathematics course is divided into two halves. The first half focuses on mathematics as a logical subject emphasizing problem-solving, with a main focus on linear relationships (graphing, creating, and solving equations, and function notation). It also introduces foundations of geometry, including investigating and proving theorems about polygons and building geometric constructions. The second half extends understanding of linear relationships with systems of equations and inequalities, investigates and compares exponential and linear relationships, and includes data analysis. The course concludes with exploring rigid and non-rigid transformations in the coordinate plane to establish polygon congruence.	
Mathematics II The first half of the course is designed to present mathematics as a coherent, useful, and logical subject that makes use of problem-solving skills. The focus is on quadratic expressions, equations, and functions. You will compare their characteristics and behavior to those of linear and exponential relationships and solve quadratic equations that have real and complex solutions. Finally, you will investigate and prove theorems about lines, angles, and triangles. The second half of the course is designed to explore nonrigid transformations of figures in the coordinate plane and use them to establish similarity of polygons. You will explore right triangles, trigonometry, and properties of circles. Finally, you will explore probability and counting methods, including their use in making and evaluating decisions.	
Mathematics III The first half focuses on modeling relationships with expressions and functions, specifically polynomial, radical, and rational types. You will expand arithmetic skills for these expressions and equations, analyzing key features through tables, graphs, and function forms. You will also investigate surface area and volume of geometric solids to model and solve real-world problems. The second half covers exponential and logarithmic equations and	

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functions, including the relationships between them and their use in modeling real-world situations. You will apply arithmetic and geometric sequences to problem-solving, explore piecewise and trigonometric functions, compare key features of all studied function types, and build an understanding of statistics and probability for investigating sampling techniques and making data inferences.	
Pre Algebra A & B (Algebra Foundations-Pre Alg)	1 Credit
Pathways: <i>Math Elective Credit for MMC, CR</i>	Platform: EDG, SBJ
This full-year course is designed for high school students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.	
Pre Calculus A & B	1 Credit
Pathways: <i>Math Elective Credit, CR, Honors, NCAA Initial Eligibility</i>	Platform: EDM, SBJ
The Precalculus course is a comprehensive study of higher algebra and trigonometry, designed to prepare students for calculus. The first half of the course focuses on topics such as inverse, trigonometric, and logarithmic functions, trigonometric identities, complex numbers, and vectors, with an emphasis on real-world problem-solving. The second half introduces foundational calculus elements, analytical geometry, and advanced trigonometry, covering conic sections, matrices, sequences, mathematical induction, probability, and basic calculus concepts like limits and area under the curve, also applied to real-world situations.	
Probability & Statistics	1 Credit
Pathways: <i>Math Elective Credit, CR, Honors, NCAA Initial Eligibility</i>	Platform: EDM
Probability and Statistics teaches two related disciplines: probability (the study of event likelihood) and statistics (the science of collecting and analyzing data for decision-making). The course covers representing and interpreting data with various plots (dot plots, histograms, box plots, two-way frequency tables, and scatter plots), normal distributions, and distinguishing correlation from causation. You will determine conditional probability, assess event independence, use counting techniques, and apply probability rules to make informed decisions. The course also evaluates data collection and statistical models, including simulations, and concludes with using probability models to represent real-life situations involving payoff and risk.	
AP Statistics A & B	1 Credit

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Pathways: Math Elective Credit, NCAA Initial Eligibility	Platform: SBJ, EDM
AP Statistics gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.	

HS SCIENCE

- 3 years of science are required to graduate.
- Students are required to take the following:
 - Biology (1.0 credit)
 - Physical Science - OR - Physics & Chemistry (1.0 credit)
 - Science Elective (1.0 credit)

When you meet with your counselor about the options above, you will learn of the various pathways you can take in science.

Course Title & Description	Total Credit
Anatomy & Physiology A & B	1 Credit
Pathways: Science Elective Credit, NCAA Initial Eligibility	Platform: EDG, EDM
Anatomy & Physiology A & B (EDG) This anatomy and physiology course examines the human body from cells to major organ systems, including the integumentary, skeletal, muscular, nervous, and endocrine systems in the first part, and the lymphatic, immune, respiratory, digestive, urinary, and reproductive systems in the second. Key topics include structure, function, common conditions, medical terminology, laboratory skills, heredity, and genetics. The course also emphasizes accurate patient documentation, healthcare technology, and exploration of diverse medical careers.	
Anatomy (EDM) In this course you will explore the anatomy and structure of the human body. This course takes a systemic approach to anatomy. You will study each body part according to	

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its body system and function. The main systems of study include integumentary, skeletal, muscular, circulatory, nervous, respiratory, digestive, urinary, reproductive, endocrine and lymphatic systems. In addition to identifying the main anatomical features of the body, you will learn anatomical terminology and the structure of cells and tissues within the body. *Generally this course is combined with physiology.*

Physiology (EDM) In this course, students will examine the functions of the body's biological systems-- including skeletal, muscular, circulatory, respiratory, digestive, reproductive, 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. *Generally this course is taken after anatomy.*

Biology A & B

MMC Requirement: 1 Credit

Pathways: NCAA Initial Eligibility, AP, CR, Honors

Platform: EDG, EDM, GC, SBJ

This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Chemistry A & B

MMC Requirement: 1 Credit

Pathways: NCAA Initial Eligibility, AP, CR, Honors

Platform: EDG, EDM, SBJ

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Earth & Space Science A & B

1 Credit

Pathways: NCAA Initial Eligibility, CR, Honors, Science Elective

Platform: EDG, EDM, SBJ

The Earth and Space Science course investigates the planet's structure and its cosmic context, using scientific methods and models. The first half covers the formation of the solar system and universe, the interactions of the Sun, Earth, and Moon, the emergence of Earth's materials and

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atmosphere, early life, and geological dating methods. The second half focuses on rocks, minerals, the rock cycle, plate tectonics, the interaction of the hydrosphere and atmosphere in weathering and erosion, and differentiating between weather and climate. The course concludes by examining human impact on Earth's cycles and measures for planet protection.

Environmental Science A & B

1 Credit

Pathways: NCAA Initial Eligibility, AP, CR, Science Elective

Platform: EDG, EDM, SBJ

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

Integrated Physics & Chemistry A & B

1 Credit

Pathways: NCAA Initial Eligibility, Science Elective

Platform: EDM

Chemistry is the study of how substances react to form new substances with different properties, often involving an energy change. Physics, along with biology and chemistry, is one of the three main fields of science and is the scientific study of matter, energy, and their most fundamental physical interactions. The first half of this course provides the foundation by covering physics topics such as motion, forces, energy, momentum, waves, electricity, and magnetism. In the second half, the focus shifts to chemistry, beginning with atomic and molecular structures and the prediction of chemical properties and reactions. Key chemistry topics will include different types of chemical relationships, solutions, acid-base reactions, and an extension into thermal and nuclear energy.

Intro to Veterinary Science

.5 Credit

Pathways: Science Elective Credit

Platforms: EDM

This one-semester course is intended for you to familiarize yourself with the knowledge and skills required for a career in the veterinary industry. This course has 13 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health.

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Intro to Marine Biology	.5 Credit
Pathways: Science Elective Credit	Platforms: EDM
This one-semester course, Introduction to Marine Biology, familiarizes you with the knowledge and skills for a career in marine biology. Organized into four units with 15 lessons, it covers fundamental concepts: ocean formation and features, the scientific method, careers, characteristic taxonomic groups, diverse marine habitats and ecosystems, creature adaptations, succession, and energy flow in marine ecosystems.	
HS Life Science A & B	1 Credit
Pathways: NCAA Initial Eligibility, CR, Science Elective	Platform: SBJ
Life Science introduces students to the structure, function, and interactions of living organisms and their environments. Topics include cells, genetics, ecosystems, evolution, and human biology. Through hands-on investigations, virtual labs, and real-world examples, students build scientific thinking skills and a deeper understanding of the living world.	
Physical Science A & B	MMC Requirement: 1 Credit
Pathways: NCAA Initial Eligibility, CR	Platform: EDG, EDM, SBJ, GC
Science is the study of the natural world. It relies on experimentation and evidence to describe the natural events that occur around us. Physical science is the study of matter and energy. In Physical Science A, you'll describe the atomic and molecular structure of substances using models. You will investigate how chemical reactions involve energy and lead to changes in properties of substances. You'll also model different kinds of forces and the effect they have on the motion of objects. You'll solve problems involving work and power and apply these principles to simple machines. Finally, you will see how simple machines make up more complex machines that are important in our lives.	
Physics A & B	1 Credit
Pathways: NCAA Initial Eligibility, CR, Honors, Science Elective	Platform: EDG, EDM, SBJ
This full-year course acquaints students with topics in classical and modern physics . The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics . Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world . The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.	

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HS 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)
- Class of 2028 and beyond must take Personal Finance (0.5 Credit) which can be taken as a Mathematics credit or a Social Studies (0.5 Credit)

Course Title & Description	Total Credit
Economics & Personal Finance	MMC Requirement: 1 Credit
Pathways: CR	Platforms: EDG
This course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies . Throughout the course, students apply critical-thinking skills while making practical economic choices . Students also master literacy skills through rigorous reading and writing activities . Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples . In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats. This course fulfills the Michigan Merit Curriculum requirement for Economics (.5 credit) and Personal Finance (.5 credit).	
AP Macroeconomics	.5 Credit
Pathways: Economics Social Studies Credit, NCAA Initial Eligibility	Platforms: EDM
AP Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They'll also examine how individuals, institutions, and influences affect people, and how those factors can impact everyone's life through employment rates, government spending,	

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inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP exam and for further study in business, political science and history. (0.5 CR)	
AP Microeconomics	.5 Credit
Pathways: Economics Social Studies Credit, NCAA Initial Eligibility	Platforms: EDM
AP® Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They'll also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behavior under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP® Microeconomics prepares students for the AP® exam and for further study in business, history, and political science. (0.5 CR)	
Economics	MMC Requirement: .5 Credit
Pathways: NCAA Initial Eligibility, CR	Platforms: EDM, SBJ
Economics is a social science that examines how goods and services are created, consumed, and exchanged. 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. (0.5 CR)	
US Government & Politics	MMC Requirement: .5 Credit
Pathways: NCAA Initial Eligibility, CR, AP	Platforms: EDG, EDM, SBJ
This semester-long course provides students with a practical understanding of the principles and procedures of government . The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties . Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights . The course builds on	

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this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes . Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions . Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

US History A & B (US History II)

MMC Requirement: 1 Credit

Pathways: NCAA Initial Eligibility, CR, Honors, AP

Platforms: EDM, SBJ, EDG, GC

This is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. History. As students progress through each era of modern U.S. History, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.

Personal Finance, Personal & Family Finance, Financial Literacy I

MMC Requirement: .5 Credit

Pathways: NCAA Initial Eligibility, CR

Platforms: EDM, SBJ, EDG

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

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World History A & B (Modern World History)	MMC Requirement: 1 Credit
Pathways: NCAA Initial Eligibility, CR, Honors	Platforms: EDM, SBJ, GC, EDG
Modern World History (EDG) This yearlong course surveys major world events from the Enlightenment to the present. Students investigate foundational ideas and revolutions—economic, political, and social—across global regions, exploring themes like democratic government and the relationship between history and the arts. By analyzing diverse primary and secondary sources, such as legal documents and political cartoons, students evaluate historical evidence and draw evidence-based conclusions. Additionally, students develop advanced writing and outlining skills through tasks ranging from short assignments to full informative and argumentative essays.	
World History (EDM) This world history course is divided into two halves. The first half covers historical thinking skills, European exploration, the Renaissance and Reformation, the Scientific, American, and French Revolutions, the Industrial Revolution, the spread of nationalism, and the Russian Revolution. The second half examines imperialism, World War I and II, the Cold War and the rise and fall of communism, decolonization, the modernization of China, the rise of nationalism in the Middle East, and economic globalization, concluding with an evaluation of the modern world.	

HS 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 world language, then they must have 2 credits from this category

Course Title & Description	Total Credit
Art History & Appreciation	1 art hi
Art History A & B (EDG, GC, SBJ) Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this	

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course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas. *Advanced Placement Art History also available.*

Art History & Appreciation (EDM) Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion, labor, love, political change, or even commerce. Since artwork and cultural values are so closely related, studying art is a compelling way to learn about the people who produced it.

HS Guitar

1

Guitar 1 (GC) This year-long course is for students with little to no experience in playing with a pick or reading music. All Guitar students will benefit from weekly one-on-one virtual Guitar lessons with an expert instructor. In addition to the required private lessons, Guitar students will also attend a weekly 45-minute Zoom Guitar class with other students at their level. Each week there will be a short instructional video to watch and lesson material to be practiced. Guitar students are expected to practice at least 15-20 minutes a day, 3-4 days each week to achieve progress and be prepared for their private lessons. Students in this course are required to have a 6-string guitar, either electric or acoustic; an electronic tuner; and a Pick. If needed, MIPS does rent student level guitars for a low monthly rate. **Can earn recurring credits.*

Guitar 2 (GC) This year-long course is for students who can play using a pick, read Guitar music on all 6 strings in the First position, and can form basic chords. All Guitar 2 students will benefit from weekly one-on-one virtual Guitar lessons with an expert instructor. In addition to the required private lessons, Guitar 2 students will also attend a weekly 45-minute Zoom Guitar class with other students at their level. Each week there will be a short instructional video to watch and lesson material to be practiced. Guitar 2 students are expected to practice at least 15-20 minutes a day, 3-4 days each week to achieve progress and be prepared for their private lessons. Students in this course are required to have a 6-string guitar, either electric or acoustic; an electronic tuner; and a Pick. If needed, MIPS does rent student level guitars for a low monthly rate. Once registered, your MIPS Guitar instructor will help assign you to the appropriate level of study. **Can earn recurring credits.*

Advanced Guitar (GC) This course is for students that have successfully completed Guitar 1 and Guitar 2 and want to continue to advance their skills. Students in this advanced level course will proceed at their own pace with instructor guidance through a series of specifically chosen Guitar skills meant to further develop creativity, musicality, and technique. Advanced Guitar

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students will meet in as a group during a weekly Zoom Class as well as have required one-on-one private lessons with their expert instructor. <i>*Can earn recurring credits.</i>	
HS Piano	1
Beginning Piano Levels 1-3 (GC) All piano students will benefit from one-on-one required weekly virtual piano lessons with an expert instructor. In addition to the private lessons, piano students will have a required weekly 30-minute Zoom class with students that are at the same level of piano study, and there will be a short instructional video to watch each week. Piano students are expected to practice at least 15 minutes a day 3-4 days each week in order to demonstrate progress and be prepared for private lessons. The Beginning Piano course offers 3 levels of study. Level One is for students with little to no experience. Level Two and Level Three are for students that typically have 1-2 years of piano training. Your MIPS Piano instructor will help assign you to the appropriate level of study. Students in this course are required to have a digital or acoustic piano with a minimum of 76 keys. MIPS does rent out 88-key digital pianos for a low monthly rate. <i>*Can earn recurring credits.</i>	
Intermediate Piano (GC) All piano students will benefit from one-on-one required weekly virtual piano lessons with an expert instructor. In addition to the private lessons, piano students will have a required weekly 30-minute Zoom class with students that are at the same level of piano study, and there will be a short instructional video to watch each week. Intermediate level piano students are expected to practice at least 30 minutes a day 5 days each week in order to demonstrate progress and be prepared for private lessons. The Intermediate Piano course offers 3 levels of study. Level Four is for students with typically approximately 3 years of piano training. Level Five and Six are for students that have a strong ability and motivation to study piano and typically have 5-6 years of piano training. Your MIPS Piano instructor will help assign you to the appropriate level of study. Students in this course are required to have a digital or acoustic piano with 88 keys and touch sensitivity. MIPS does rent out 88-key digital pianos for a low monthly rate. <i>*Can earn recurring credits.</i>	
Vocal Techniques (GC)	1
If you want to become a better singer then this course is for you! In this course you will benefit from required one-on-one private lessons with an expert instructor. In addition to the private lessons, voice students will have a weekly required interactive 60-minute Zoom class with other voice students, and there will be a short instructional video to watch each week with an assignment to go with it. Students that demonstrate good effort in this course are guaranteed to improve their understanding and skills as a singer. <i>*Can earn recurring credits.</i>	
Cosmetology A & B	.5

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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.	
Culinary Arts IA & B	.5
Thinking of a career in the foodservice industry or looking to develop your culinary skills? In the first half of this course you will explore basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.	
Digital Art A & B (GC)	1
This course provides an opportunity for students to expand on the digital art concepts introduced in Middle School Digital Art. Students are given more in depth projects to work on and will become more adept at utilizing software to create diverse graphic designs, animations, and illustrations. Students will create a portfolio of work that demonstrates their increasing skill and growth as an artist.	
Drafting & Design (EDM)	1
This course is intended to help you familiarize yourself with various aspects of drafting and design. The first half of this course covers the fundamental concepts of drafting and design, types of drafting tools, drafting conventions, sketching and drawing techniques, types of views and projections, and basic computer-aided design and drafting (CADD) operations. The second half of this course covers design and development of a prototype, different types of drawings and views, advanced computer-aided design and drafting (CADD) operations, and key professional and personal skills that are helpful in having a successful career in the field of drafting and design.	
Drawing and Painting (GC) Drawing I (SBJ)	.5 - 1
This course provides an opportunity for students to expand on the drawing and painting concepts introduced in Middle School Drawing & Painting. Students are given more in depth projects to work on and will become more adept at drawing and painting. Students will create a sketchbook portfolio of work that demonstrates their increasing skill and growth as an artist.	
Fashion Design (EDM)	.5

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Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!	
Graphic Design (EDM)	.5-1
This is a one-semester, hands-on course introducing graphic design fundamentals, image manipulation (color, typography), and the professional context (careers, legal/ethical issues). The second half focuses on applying these skills to create products like logos and posters, while also covering multimedia and digital photography basics.	
Introduction to Art A & B (EDG, SBJ)	.5
Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.	
Introduction to Visual Arts (EDM)	.5
This course is intended for you to familiarize yourself with different types of visual arts. This course has 16 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Introduction to Visual Arts, you will trace the history of art and describe various art forms. You will identify the elements of art and examine the principles of design. You will analyze the parameters in evaluating and critiquing art. You will examine copyright laws and discuss the ethical use of art.	
Music Appreciation: The Enjoyment of Listening (EDM)	.5 - 1
Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.	
Music Production/Digital Media A & B (BZ, SBJ)	1

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This course introduces the basics of music production and digital media, using free online tools for hands-on activities like beat making, recording, mixing, and mastering. Coursework focuses on developing skills through producing music in various Hip Hop styles, creating and editing music videos, producing a genre/artist-focused podcast, and learning content promotion strategies. The course aims to build critical thinking skills essential for future digital media studies and careers in music production and other creative industries.	
AP Music Theory (SBJ)	1
AP Music Theory is a dynamic course designed to teach students musical concepts in preparation for the AP Music Theory Exam and to promote success as musicians in the real world. By using a college-level music theory and sight singing textbook, this course will develop and challenge the student's skills in recognizing, analyzing, and assessing basic ideas presented on a musical score.	
Music in Movies (GC)	.5
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. 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.	
Professional Photography A & B (EDM, SBJ)	.5-1
This one-semester practical photography course covers history, equipment, exposure, composition, color, storage, copyright, printing, advanced camera use, specific photography types (portrait, advertising, architectural), special effects, retouching, analog/darkroom procedures, safety, evaluation, production, and portfolio development for career skills.	
Theatre (GC)	.5-1
This year-long, synchronous course explores all facets of theatre, including acting, design, playwriting, and audition preparation. Engagement is through games, analysis, exercises, and collaboration. The course requires weekly videos, assignments, and a one-hour Zoom class, culminating in a short play production. Students receive a personal invitation to audition or participate backstage in the MIPS yearly production. The goal is to develop well-rounded theatre artists ready for advanced study. *This course can earn recurring credits throughout high school.	
Theater, Cinema, & Film Production (EDM)	1

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Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

World Music of Drumming (GC)

.5-1

PREREQUISITE: Successful completion of 1 year of MIPS School Of The Arts. In this exciting and interactive course students will learn how to perform hand drumming songs from West Africa, the Caribbean, and other world music cultures. The purpose of this course goes well beyond training students to become accomplished percussionists and into the realm of creating a community of students that gain an appreciation and high level of respect for various world cultures. Members of our World Music Drumming course will be known as the MIPS Thunder Drummers and will create exceptional performance videos that will be placed on YouTube. Students in this course will receive on loan a quality drum and other instruments to practice and perform with.

HS WORLD LANGUAGE

- Students must complete two years of the same world language which includes American Sign Language, or
- Students can take one year of the same world language and earn the other credit from an additional credit utilizing the VPAA or CTE courses.

Course Title & Description	Total Credit
Spanish I	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility, AP	Platforms: EDM, EDG, GC, SBJ

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Spanish I is an introductory course designed to build a foundation in the Spanish language, focusing on developing basic proficiency in listening, speaking, reading, and writing. The curriculum covers essential vocabulary, conversational exchanges, and fundamental grammar structures, enabling students to communicate simple phrases and sentences related to everyday topics. Key linguistic goals include mastering simple present-tense verb conjugations and aiming for a Novice-Mid proficiency level. Throughout the course, cultural understanding is integrated, allowing students to explore the diverse customs, traditions, and geography of the Spanish-speaking world. Available in both middle school and high school formats, successful completion prepares students for advanced language study and grants high school credit.	
Spanish II	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility, AP	Platforms: EDM, EDG, GC, SBJ
High school students continue their introduction to Spanish with fundamental building blocks in four key areas of world language study: listening comprehension, speaking, reading, and writing . Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments .	
Spanish III	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility, AP	Platforms: EDM, SBJ
Spanish III is a continuation of Spanish II, designed to develop comprehensive communication skills (listening, speaking, reading, writing), vocabulary, and grammar. The course is divided into two halves. The first half reintroduces Spanish through diverse topics—such as daily routines, family, art, literature, university life, and environmental/social issues—with a focus on specific Spanish-speaking regions. The second half explores multiculturalism, traditions, artistic genres, history (like Venezuelan/South American independence), and the cultures and environments of Argentina and Costa Rica. The overarching goal is to build a strong foundation for future Spanish language studies.	
AP Spanish	1 Credit
Pathways: World Language Credit for MMC, NCAA Initial Eligibility, AP	Platforms: EDM, SBJ
AP Spanish Language and Culture is an advanced immersion course, conducted almost exclusively in Spanish, that prepares students for the College Board's AP exam. It develops cognitive, analytical, and communicative proficiencies using the three modes of	

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communication (Interpersonal, Interpretive, and Presentational). The curriculum focuses on the six College Board themes: Global challenges, Science and technology, Contemporary life, Personal and public identities, Families and communities, and Beauty and aesthetics. The course teaches language structures in context, aiming for fluency, and explores cultural products, practices, and perspectives in contemporary and historical contexts. Students use an online forum for discussions and utilize current Internet materials.	
French I	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility, AP	Platforms: EDM, SBJ
This French course is divided into two halves, each focusing on common communication situations. The first half introduces topics such as greetings, describing people, and discussing family and social life, while establishing basic sentence structures and grammatical tools. In the second half, students expand their vocabulary to discuss money management, transportation, weather, food, clothing, art, health, and travel. Throughout the year, students communicate through listening, speaking, reading, and writing in French to internalize new concepts. The course also incorporates learning about various regions and cultures within the French-speaking world, building a strong foundation for future French studies.	
French II	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility, AP	Platforms: EDM, SBJ
This French course is divided into two halves, each focusing on common communication situations. The first half introduces topics such as greetings, describing people, and discussing family and social life, while establishing basic sentence structures and grammatical tools. In the second half, students expand their vocabulary to discuss money management, transportation, weather, food, clothing, art, health, and travel. Throughout the year, students communicate through listening, speaking, reading, and writing in French to internalize new concepts. The course also incorporates learning about various regions and cultures within the French-speaking world, building a strong foundation for future French studies.	
AP French	1 Credit
Pathways: World Language Credit for MMC, NCAA Initial Eligibility, AP	Platforms: SBJ
This French course is divided into two halves, each focusing on common communication situations. The first half introduces topics such as greetings, describing people, and discussing family and social life, while establishing basic sentence structures and grammatical tools. In the second half, students expand their vocabulary to discuss money management, transportation, weather, food, clothing, art, health, and travel. Throughout the year, students communicate through listening, speaking, reading, and writing in French to internalize new concepts. The course also incorporates learning about various regions and cultures within the French-speaking world, building a strong foundation for future French studies.	

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weather, food, clothing, art, health, and travel. Throughout the year, students communicate through listening, speaking, reading, and writing in French to internalize new concepts. The course also incorporates learning about various regions and cultures within the French-speaking world, building a strong foundation for future French studies.	
German I	1 Credit
Pathways: World Language Credit for MMC	Platforms: EDM
Learning German introduces you to a new language, culture, and ways of expressing yourself, with the German-speaking world spanning countries like Germany, Austria, and Switzerland. In the first half of the course, you will learn to exchange greetings, describe people and family, and discuss social life using basic German sentence structures. You will practice listening, speaking, reading, and writing in German while internalizing vocabulary, grammar, and learning about the regions visited by the central characters. The second half builds on this foundation, covering topics such as personal finance, urban transportation, weather, food, clothing, art, health, and travel. Everything learned about the language and its cultures serves as a foundation for your future German studies.	
German II	1 Credit
Pathways: World Language Credit for MMC	Platforms: EDM
German II continues to build upon German I, enhancing listening, speaking, reading, and writing skills through expanded vocabulary and grammar. The first half covers school, clothing, housing, relationships, daily routines, chores, responsibilities, and cuisine. The second half reintroduces German in common situations, focusing on professions, career plans, travel (road trips, camping, ecotourism), hobbies, activities, crafts, medical specialists, and symptoms of illness/injury. Students will internalize new vocabulary and grammar, learning about German-speaking regions, and building a foundation for advanced study.	
American Sign Language I A & B	1 Credit
Pathways: World Language Credit for MMC, CR, NCAA Initial Eligibility	Platforms: EDM, SBJ
This American Sign Language (ASL) course is divided into two halves. The first half focuses on foundational communication skills, introductory vocabulary, simple sentence structure, and an exploration of Deaf culture (beliefs, traditions, history, values, and communities). The second half aims to expand language proficiency by acquiring new signs, deepening vocabulary, understanding ASL grammar, and exploring topics like Deaf education, arts, culture, and careers where ASL skills are beneficial. ASL is noted as the third most commonly used language in North America.	
American Sign Language II A & B	1 Credit

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Pathways: World Language Credit for MMC, NCAA Initial Eligibility	Platforms: EDM
Move beyond introductory ASL signs to form more compelling communication. The first half focuses on enhancing signs with expressions, and learning vocabulary for descriptions, directions, shopping, purchases, and emergencies. The second half advances communication skills and cultural knowledge, covering sequencing, transitions, role-shifts, future tenses, storytelling, and asking questions. This course emphasizes speed, conversation, signing skills, and cultural awareness.	

HS HEALTH & PHYSICAL EDUCATION

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

Course Title & Description	Total Credit
Health	.5 Credit
Pathways: PE/Health Credit, CR	Platforms: EDG, EDM, SBJ
Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. It's also important to identify lifestyles which will lead to a longer, more enjoyable life. This course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways.	
Physical Education (I & II), Lifetime Fitness	.5 Credit
Pathways: PE/Health Credit, CR	Platforms: EDG, EDM, SBJ
Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Available as either a semester or year-long course, Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular	

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strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

Nutrition & Wellness

.5 Credit

Pathways: PE/Health Credit, CR

Platforms: EDG, EDM, SBJ

Nutrition and Wellness is a one-semester introductory course covering essential aspects of nutrition, health, and wellness. The curriculum explores nutrients, digestion, metabolism, life-cycle needs, health conditions (like eating disorders and allergies), and the impact of diet on weight, chronic illness, and emotional well-being. The course also includes physical fitness, public health, food safety, preparation, menu planning, industry trends, career options, goal setting, and workplace skills/ethics.

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HIGH SCHOOL ELECTIVES

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

Course Title & Description	
Academic Success	.5 Credit
Pathways: Elective Credit	Platforms: EDM
This one-semester elective course is intended as a practical, hands-on guide to help you improve your study habits and enhance your prospects for academic success, now and in the future. This course is not divided into units and doesn't have pretests by which you can earn credit. Instead, it is designed to help you improve your study skills regardless of your skill level at the time that you take the course. It is structured into lessons and Course Activities as follows: The first five lessons are about specific aspects of studying. Before and after these lessons, you will assess your study habits in two Course Activities. The last three lessons focus on writing as a process and using that process to write a research paper. The lessons are followed by a Course Activity in which you will submit a research paper.	
Advanced Math & Trigonometry A & B	1 Credit
Pathways: Math Elective Credit, NCAA Initial Eligibility	Platforms: SBJ
In this course, students will demonstrate advanced knowledge of trigonometric functions. Students will develop and use mathematical thinking skills by solving triangles and understanding the unit circle, understanding and applying concepts of angle measure in both radians and degrees, sketching the graphs of trig functions, proving trig identities, solving trig equations, and learning and applying the laws of sines and cosines. During this course, students will be able to demonstrate the ability to use definitions and theorems to build arguments and justify conclusions. The mathematical thinking skills in this course will prepare students for future success in college-level coursework.	
Accounting	.5 Credit
Pathways: Math Elective Credit	Platforms: EDM
This one-semester course is intended to help you familiarize yourself with the basics of	

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accounting. This course has 15 lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities.	
AP Computer Science	.5 Credit
Pathways: Math Elective Credit	Platforms: EDM
This one-semester course is intended to introduce you to the concepts of computer programming. You will describe the basic concepts of computer programming; compile and run a simple Java program; use arithmetic, relational, and logical operators; implement algorithms, and use different types of loop and decision making statements; create and use classes; create and manipulate one dimensional and two-dimensional arrays; perform sequential search, binary search, selection sort, and insertion sort on an array; explain and implement object-oriented programming design; implement inheritance, polymorphism, and abstraction; and describe privacy and legality in the context of computing.	
Black History in America: Introduction	.5 Credit
Pathways: Elective Credit	Platforms: EDG
By examining the stories of brave men and women who persevered, built community and contributed to our nation's goals—sometimes amid great persecution—we can all learn how to pave a brighter future. Learn about the incredible history of Black people who have left a mark on the fabric of the United States to the ways the country has wrestled with its past to understand slavery, emancipation, and the fight for civil rights in our nation.	
Black History in America: Exploring the Black Experience	.5 Credit
Pathways: Elective Credit	Platforms: EDG
Explore the multifaceted story of Black history in America from the Civil War to the present day through the community's storytelling, music, dance, and visual arts. We will examine the civil rights movement, increasing political power, and the lasting impact of slavery, Jim Crow, and segregation. By engaging with Black creators, activists, and politicians, and completing a final project, you will gain a comprehensive understanding of the evolving Black experience in America.	
Business English A & B	1 Credit
Pathways: Elective Credit	Platforms: EDM
This two-semester course is designed to strengthen your ability to read, write, and communicate effectively in a professional environment. The curriculum covers the business writing process, including formatting emails, instant messages, and various types of workplace	

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documents, along with incorporating digital media. You will also learn strategies for designing visual components of documents, giving business presentations, and developing essential professional and interpersonal skills. The course concludes with practical strategies to help you navigate the job search and application process.	
Certified Nurse Aide	1 Credit
Pathways: Science Elective	Platforms: EDM
This two-part course, consisting of eight total units, prepares students for the certified nurse aide competency evaluation. The first half covers essential knowledge and skills, including communication, teamwork, cultural competence, medical terminology, and an overview of human body systems, disorders, diseases, and treatments. The second half focuses on exam preparation, teaching basic nursing skills, client care, infection control, waste management, cost containment, and nurse aide laws and ethics.	
Child Development and Parenting	.5 Credit
Pathways: Elective Credit	Platforms: GC, EDM, EDG, SBJ
This one-semester course is intended to help you familiarize yourself with various aspects of child development and parenting. This course covers the fundamental concepts of parenting and the roles and responsibilities of parents. It also covers essential communication skills related to parent-child interaction. In addition, the course covers important workplace qualities and skills, such as positive work ethics, integrity, and time and resource management. It also covers technology and recent trends in parenting.	
College Readiness Seminar A	.5 Credit
Pathways: Elective Credit, Required for EMC Students	Platforms: GC
The College Readiness Seminar is designed to prepare students for the transition to early college by developing essential academic and personal skills. Students will master five note-taking strategies and learn to read for understanding while exploring the ethical use of AI. The course emphasizes professional communication, including clear email drafting and scripted phone calls. Participants will also gain practical experience in forming effective study skills and managing their time to avoid procrastination. Finally, students will engage in a growth mindset to build grit and connect with a panel of previous early college students to address common fears.	
College Writing A & B	1 Credit
Pathways: Elective Credit	Platforms: SBJ

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This course focuses on cultivating strong written and verbal communication skills. Students will engage with diverse reading materials and complete writing assignments designed to foster academic, expository, and analytical reading and writing practices. A key component of the course is the examination of various social issues and topics. Students will practice developing evidence-based arguments and participating in inquiry-based discussions, all aimed at advancing their academic literacy. The communication proficiency gained in this course is essential preparation for the literacy requirements of higher education.

Creative Writing

.5 Credit

Pathways: Elective Credit

Platforms: EDM, EDG

Creative Writing is a rigorous course that focuses on the art of storytelling and using language to express thoughts, feelings, and emotions. Students will explore the full writing process, from brainstorming through final revision, as they analyze and apply techniques for developing engaging plots, realistic dialogue, and vivid characters and settings. The curriculum covers multiple genres, including poetry, short stories, plays, memoirs, fiction, non-fiction, and scripts. Through peer critiques and workshops designed to refine their craft and find their unique voice, students will compile a culminating portfolio of original work.

Cryptocurrency

.5 Credit

Pathways: Elective Credit

Platforms: SBJ

In this course students will develop an understanding of cryptocurrency that explores concepts of money and how cryptocurrency is an innovative form of new money. This course will explore government and bank regulations and how these can both help and hinder trade within the United States and throughout the world. Students will learn new concepts and terms such as cryptocurrency mining, blockchains, nodes, and hot and cold storage for crypto. There will be multiple opportunities for students to develop solutions to authentic problem-based scenarios and engage in realistic simulations and projects. The thinking skills in this course will prepare students for future success in college level coursework and career paths in finance, investing, and accounting.

Cyberdefense MICE

.5 Credit

Pathways: Elective Credit

Platforms: GC

Students must pass either Intro to Cybersecurity or Ethical Hacker as a prerequisite. This advanced course prepares you for a career as a cybersecurity analyst. You will learn to detect and respond to modern threats by mastering vulnerability management, threat hunting, and network security. Using professional tools like SIEMs and protocol analyzers, you will monitor

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traffic, identify indicators of compromise, and defend against complex attacks like SQL injections and ransomware.	
Digital Media Literacy A & B	1 Credit
Pathways: Elective Credit	Platforms: SBJ
This course teaches students essential skills for safe, respectful, and responsible digital citizenship. Topics include online privacy, cyberbullying, digital footprints, media literacy, and ethical online behavior. Students will learn to evaluate online information, protect personal data, communicate effectively, and make informed choices about their online presence. The course prepares students to confidently and safely engage in the digital world and foster positive online communities.	
Ethical Hacker MICE	.5 Credit
Pathways: Elective Credit	Platforms: GC
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.	
Entrepreneurship A & B	1 Credit
Pathways: Math Elective Credit	Platforms: EDM
This course's first half covers business plan components, product ideation and pricing, market research, operations management functions, entrepreneur roles and attributes, marketing, the selling process, and operations management. The second half focuses on accounting, firm ownership structures, business ethics, quality management, business capital needs, legally binding contracts, human resources functions, and entrepreneurial risks.	
Ethnic Studies	.5 Credit
Pathways: Elective Credit	Platforms: EDG
Ethnic Studies is a one-semester, five-unit course exploring the history, culture, contributions, struggles, and achievements of diverse U.S. ethnic and racial groups: Indigenous peoples, African Americans, Latin Americans, and Asian Americans/Pacific Islanders. The course analyzes how race- and ethnicity-based laws and policies, both historical and current, have impacted these groups' quest for citizenship and equality, their shaping of American society, and the	

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influence of race, ethnicity, and identity on individual lives, using discussion, research, and projects.	
Family Living & Healthy Relations	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
First Aid & Safety	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
Gothic Literature	.5 Credit
Pathways: Elective Credit	Platforms: EDM
This one-semester course explores Gothic literature, analyzing its conventions, themes, and elements. Key works include novels like Frankenstein, A Sicilian Romance, The Scarlet Letter, Strange Case of Dr. Jekyll and Mr. Hyde, and Dracula, as well as short stories and poems by Poe, Browning, and Dickinson. The course also covers Gothic dramas (Lewis and P.B. Shelley), parodies, subgenres, and contemporary Gothic literature. It comprises 12 lessons, 5 Course Activities, 5 discussions, and 5 games. Lesson Activities are self-graded against sample responses; Course Activities are submitted to the teacher for grading.	
History of the Holocaust	.5 Credit
Pathways: Elective Credit	Platforms: EDG
Holocaust education comprehensively studies the history of anti-Semitism, the rise of the Nazi party, and the Holocaust, including its beginnings, liberation, and aftermath. This	

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multidisciplinary, semester-long high school course integrates world history, geography, American history, and civics. Students will understand the ramifications of prejudice and indifference, the potential for government-supported terror, and witness glimpses of humanity during this tragedy.	
Holocaust Studies	.5 Credit
Pathways: Elective Credit	Platforms: EDM
This half-year course examines the Holocaust—the systematic mass murder of millions of Jews under the Nazi regime in Germany—and its profound international repercussions. The curriculum explores the history of Jewish life in Europe, tracing the origins of anti-Semitism, and detailing the early life and ascent to power of Adolf Hitler. Students will study the methods of extermination used by the Nazis, Jewish resistance efforts, and the eventual liberation. Furthermore, the course addresses the impact of the Holocaust on the non-Jewish community and covers the outcomes of the postwar trials.	
Intro to Anthropology	.5 Credit
Pathways: Elective Credit	Platforms: EDM
The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the world will also be presented in the course.	
Intro to Communication & Speech A & B	1 Credit
Pathways: Elective Credit	Platforms: EDG
Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.	
Intro to Computer Science	1 Credit
Pathways: NCAA Initial Eligibility, Math & VPAA Elective Credit	Platforms: SBJ

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This computer science course introduces students to foundational skills, tracing the evolution of computing from early technology to the modern age. Key topics include the history of computing pioneers, hardware and software concepts, practical troubleshooting and maintenance skills, programming fundamentals (using block coding, Scratch, Pseudocode, and Micro:Bit), and an examination of networking and cybersecurity. The course aims to prepare students for college programs and careers in computer science, programming, and information technology.

Intro to Criminology

1 Credit

Pathways: Elective Credit

Platforms: EDM

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

Intro to Engineering (A & B)

.5 – 1 Credit

Pathways: NCAA-Initial Eligibility, Science or Math Elective Credit

Platforms: SBJ

This introductory engineering course focuses on developing an understanding of engineering, design skills, and engineering habits of mind through authentic practices. Students will learn to define and solve problems, develop and use models, conduct investigations, analyze data, use mathematical and computational tools, design solutions, engage in evidence-based argumentation, and communicate information. The course emphasizes problem-based scenarios, realistic simulations, and projects, preparing students for success in college-level engineering coursework and related careers.

Intro to Finance

.5 Credit

Pathways: Math Elective Credit

Platforms: EDM

Introduction to Finance is a one-semester course that is designed to enable students at the high school level to develop financial skills that they can use during their careers in business organizations. Financial literacy is an essential capability for students as they 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 introduces learners to a variety of topics, including investment strategies, money management, asset valuation, and personal finance. The course

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is based on Career Technical Education (CTE) standards designed to help students develop technical knowledge and skills needed for success in the finance industry.	
Intro to Forensic Science	.5 Credit
Pathways: Science Elective Credit	Platforms: EDM
Introduction to Forensic Science 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.	
Intro to Cybersecurity Pro MICE	.5 Credit
Pathways: Elective Credit	Platforms: GC
This course prepares you to build, manage, and protect a secure business network. You will start by mastering identity management, learning to control user access on both Windows and Linux systems while enforcing strong password policies. The course provides hands-on training in network hardening, where you will install firewalls and set up Virtual Private Networks (VPNs) for secure remote connections.	
Intro to NFTS	.5 Credit
Pathways: Elective Credit	Platforms: SBJ
This course provides an essential introduction to Non-Fungible Tokens (NFTs), covering the foundational blockchain technology and their connection to the Metaverse. Although no prior knowledge of blockchain or cryptocurrency is required, it is beneficial. Students will gain practical experience through solving real-world, problem-based scenarios, case studies, and projects. The critical thinking skills developed will prepare students for success in college and careers in finance, consumer economics, and blockchain technologies.	
Intro to Philosophy	.5 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: EDM
Explore 2,500 years of Western philosophy and its most brilliant thinkers. This exciting course introduces you to influential figures—from the street-corner questioner to the philosopher in a stove—whose eccentricities shaped civilization's fundamental ideas. You will discover the origins	

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of core concepts, grapple with profound questions, and ultimately gain a deeper understanding of yourself and the world, from atoms to outer space.	
Intro to Public Speaking & Communication A & B	1 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: SBJ
Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.	
Intro to World Religions	.5 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: EDM
This one-half year course is intended to familiarize you with the origins, history, beliefs, and practices of various prominent world religions, primal religions, and contemporary religious movements.	
Intro to Coaching	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
IT Fundamentals MICE	.5 Credit
Pathways: Math Elective Credit	Platforms: GC
This course provides a broad introduction to the modern world of technology, preparing students for the CompTIA Tech+ certification. You will start by exploring computing basics, data privacy, and internet technologies. The curriculum covers essential networking and cybersecurity concepts to help you understand how data moves safely across the globe.	
Learning Strategies A & B	1 Credit

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Pathways: Elective Credit	Platforms: SBJ
"Academic Skills for Success" is a course designed for middle and high school students, focusing on essential academic skills such as organization, effective learning, resilience, and self-management. Key topics covered include goal setting and time management, linking learning styles to study techniques (metacognition), developing a growth mindset and perseverance, critical thinking, and building positive interpersonal relationships. The course aims to provide practical tools for managing projects and improving study habits for success in school and beyond.	
Life Skills	0.5 Credit
Pathways: Elective Credit	Platforms: EDM
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 & stress management, communication & 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.	
Lifetime & Leisure Sports	0.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
Lord of the Rings: An Exploration the Films & Literary Influences	0.5 Credit
Pathways: Elective Credit	Platforms: EDG
The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.	
Medical Terminology	0.5 Credit

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Pathways: Science Elective Credit	Platforms: EDM
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.	
Mythology & Folklore	0.5 Credit
Pathways: Elective Credit	Platforms: EDM, EDG
Since the beginning of time, people have gathered around fires to tell stories of angry gods, harrowing journeys, cunning animals, horrible beasts, and the mighty heroes who vanquished them. Mythology and folklore have provided a way for these colorful stories to spring to life for thousands of years and helped humans make sense of the world. Explore how these compelling tales continue to shape society even today.	
PC Pro MICE A & B	1 Credit
Pathways: Elective Credit	Platforms: GC
This course provides a comprehensive introduction to the world of Information Technology and prepares students for industry certifications like TestOut PC Pro and CompTIA A+. You will start by learning the core responsibilities of a PC technician, including how to use professional ticketing systems, manage technical documentation, and follow essential safety and maintenance procedures. Students must pass PC Pro A as a prerequisite to take PC Pro MICE. This course covers the advanced skills needed to manage and protect a professional IT environment. You will master Windows and Linux management through system tools, scripting, and the command line. Key topics include managing users in Active Directory, setting up VPNs for remote work, and performing critical data backups.	
Personal Psychology II: Living in a Complex World	.5 Credit
Pathways: Elective Credit	Platforms: EDG
Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? In Personal Psychology II: Living in a Complex World you will explore what makes you 'you.' Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to	

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dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!	
Personal Psychology: The Road to Self Discovery	.5 Credit
Pathways: Elective Credit	Platforms: EDG
Get ready to delve into some of life's biggest questions and begin the journey to uncovering those answers for yourself! In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment. Let's begin the journey to discovery today!	
Personal Training Concepts	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
*This course is recommended as a prerequisite "Personal Training Career Prep" course.	
Personal Training Career Prep	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
*This course is recommended for grades 10-12. "Personal Training Concepts" is a recommended pre-requisite to this course.	
Philosophy A & B	1 Credit

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Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: SBJ
This course provides students with a foundational understanding of philosophy, including key terms, arguments, and the contributions of historical and contemporary figures. Students will strengthen their analytical thinking skills through engaging philosophical discussions, self-reflection on their personal philosophies, and the development of evidence-based arguments. The focus on analytical thinking, self-reflection, and writing equips students with valuable skills for success in future college-level coursework and in careers that demand reflective thought.	
Principles of Law & Public Safety A & B	1 Credit
Pathways: Elective Credit	Platforms: EDM
Principles of Law, Public Safety, Corrections, and Security is a two-semester course that is intended as a practical, hands-on guide to help students understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. This course covers the history and development of criminal law in the United States, court procedures, the role of law enforcement agencies and private security in public safety, and the role of fire fighters and emergency responders. It also covers the ethical and legal responsibilities and working conditions in law enforcement and security. Through this course, students will understand the personal, professional, and technological skills required by professionals working in the fields of law, public safety, corrections, and security.	
Psychology A & B	1 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: EDM, EDG, SBJ
In this course you will trace the history of psychology and examine key psychological theories. You will discuss human development and explain how the nervous and endocrine systems affect human development and behavior. You will explain various theories related to language development and acquisition. You will discuss the influence of heredity, environment, society, and culture on human behavior.	
Real World Parenting	.5 Credit
Pathways: Elective Credit	Platforms: EDM
The process of parenting is more than just having a child and making sure they eat, sleep and get to school on time. Learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. Parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies	

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and effective communication in parent/child relationships are some of the topics covered in this course.	
Robotics I A & B	1 Credit
Pathways: Elective Credit	Platforms: EDM
This two-part robotics course explores the evolution, applications, career paths, and necessary employability skills, alongside foundational physics (Newton's laws, electricity, circuits, Boolean algebra, magnetics) relevant to robotics, including safety. Students will build a basic robot in the first half. The second half covers advanced topics: project management, the engineering design process, software control, building a robotic arm, and the ethics and laws of robotics. The course culminates in students creating, programming, testing, and maintaining a robot, and presenting a final robot proposal.	
Social Problems I World in Crisis	.5 Credit
Pathways: Elective Credit	Platforms: EDG, EDM
In this half-year course you will learn more about the challenges facing societies and the relationships between societies, governments, and individuals in these areas. Each unit will focus on a particular area of social concern, often with a global view, and examine possible solutions at both a structural and individual level.	
Social Problems II Crisis, Conflict, and Challenges	.5 Credit
Pathways: Elective Credit	Platforms: EDG, EDM
The Social Problems II course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments and the individual.	
Sociology	.5 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: EDM
The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.	

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Sports Officiating	.5 Credit
Pathways: Elective Credit	Platforms: EDM
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.	
Strength Training	.5 Credit
Pathways: Elective Credit	Platforms: EDM
This half-year course 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.	
Structure of Writing	.5 Credit
Pathways: Elective Credit	Platforms: EDM
Structure of Writing is the study of principles of grammar and effective writing, and the application of these principles to writing. In Structure of Writing, you will learn about the types of sentences, punctuation marks and grammar rules such as subject verb agreement and tenses; you will also learn about different parts of speech and their correct usage; examine the concept of parallel structure in sentences as well as identify and correct run-on sentences. Finally, you will learn about developing paragraphs and essays.	
World Geography A & B	.5 Credit
Pathways: NCAA Initial Eligibility, Elective Credit	Platforms: EDM
Geography is the study of where things are in the world. It is important to know why people settled where they did: sometimes this is for weather-related reasons, and sometimes it's because of bountiful natural resources nearby. In this half-year course, you will learn about these special features which drive economic development and form the locales where people settle.	
Intro to Python CodeHS	.5 Credit
Pathways: Math Elective or VPAA Elective	Platforms: GC

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This course introduces the fundamentals of computer science through a mix of visual programming and text-based logic. You will begin with Karel the Dog, mastering top-down design, functions, and decomposition to solve grid-based puzzles. This phase builds a strong foundation in algorithmic thinking and problem-solving strategies. As you transition to standard Python, you will learn to manage data using variables, user input, and mathematical operators. You will master control structures, including if/else statements and logical operators, to create programs that make decisions. The course concludes with looping and nested logic, where you will build interactive projects such as a Mad Libs generator, a Quiz Game, and a Password Authenticator.

Exploring Tech and Art

.5 Credit

Pathways: VPAA Credit

Platforms: GC

In this course, you will combine creativity with computer science to build your own interactive games and music. You will begin with Interactive Animations and Games, using the Game Lab environment to program shapes, sprites, and animations. You'll learn to handle user input and use variables and "conditionals" to turn simple images into complex, multi-level games. Then, students are introduced to foundational programming concepts through music, using code to build, remix, and perform original songs. Students practice Computational Thinking like pattern recognition, algorithmic thinking, and debugging to design, test, and refine their musical ideas. Through sequencing, loops, and functions, students learn to think like programmers and create like musicians.

Artificial Intelligence I CodeHS

.5 Credit

Pathways: VPAA Elective

Platforms: GC

This course introduces students to the world of artificial intelligence, covering fundamental AI concepts, ethical considerations, data science, and programming in Python. Students will explore how AI is used in society, analyze big data, and develop basic AI-driven programs while building problem-solving and computational thinking skills.

Public Speaking 1A & B

1 Credit

Pathways: VPAA Elective

Platforms: EDG

Public Speaking 1a: Introduction (EDG) Do you strive to gain more confidence when speaking in front of people? In the first half of this course learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.

Public Speaking 1b: Finding Your Voice (EDG) Bring your speeches to life by learning about body language, vocal, and other techniques. In the second half of this course learn about logic and

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reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your in-person and virtual presentation skills.

Web Development I & II CodeHS

.5 Credit

Pathways: VPAA Elective

Platforms: GC

Web Development I (GC) This course introduces students to the fundamentals of web design and development using HTML, CSS, and JavaScript. Students will learn how to structure web pages, apply styling, and create responsive, visually engaging websites. Through hands-on projects, they will explore the basics of user experience (UX), accessibility, and web hosting, preparing them for more advanced web development topics.

Web Development II (GC) Building on the foundations of web design, this course explores interactive web development using JavaScript and advanced styling techniques. Students will integrate dynamic elements, animations, JavaScript frameworks, and data collection methods to create fully functional web applications. They will also gain experience with website optimization, security, and hosting strategies.

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MIDDLE SCHOOL COURSES OVERVIEW

MS ENGLISH

Course Title & Description	Total Credit
English 6	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This full-year course prepares students for middle school by developing reading, writing, and language arts skills using age-appropriate literary and informational texts. Students will focus on critical reading, text analysis, and using textual evidence. Key components include text exploration, refining language arts skills (vocabulary, grammar, and listening), and extensive process-based writing in narrative, informative, analytical, and argumentative styles.	
English 7	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This full-year middle school language arts course develops reading, writing, and critical thinking through analyzing literary and informational texts. Students will cite evidence, analyze the author's language, and improve vocabulary, grammar, and listening skills. The curriculum uses process-based lessons for routine written responses and topical essays in narrative, informative, analytical, and argumentative styles to achieve language arts mastery.	
English 8	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
In this course, students build on their knowledge and blossom as thoughtful readers and clear, effective writers. A balance of literary and informational texts engage students throughout the course in reading critically, analyzing texts, and citing evidence to support claims. Students sharpen their vocabulary, grammar, and listening skills through lessons designed to provide explicit modeling and ample opportunities to practice. Students also routinely write responses to texts they have read, and use more extensive, process-based lessons to produce full-length essays in narrative, informative, analytical, and argumentative formats. In this full year course, students develop a mastery of reading, writing, and language arts skills.	

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MS MATHEMATICS

Course Title & Description	Total Credit
Math 6	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This course introduces students to rational numbers, focusing on ratios, rates, and fraction division. Key algebra topics include using variables to write, evaluate, and simplify expressions, and solving one-step equations and inequalities. The curriculum also covers statistics, with an emphasis on data analysis using graphical displays, measures of center, and variability. Finally, students learn to calculate the area, surface area, and volume of various shapes.	
Math 7	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This middle school math course focuses on proportional reasoning (rates, ratios, percentages), signed rational numbers in real-world contexts, and statistics (samples, central tendency, variation, data representation, probability). The curriculum builds fluency in writing and solving multi-step expressions, equations, and inequalities. Students apply proportional reasoning to scale drawings and conclude with a geometric analysis of angle relationships, area, and volume of 2D and 3D figures.	
Math 8	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This course explores input-output relationships, functions, and linear models across verbal, numeric, algebraic, and graphical representations, using technology. Students will solve linear equations and systems, model bivariate data, and study geometric transformations (translations, rotations, reflections, dilations) and their effect on congruency and similarity. Topics also include exponent rules, scientific notation, irrational numbers, square roots, the Pythagorean theorem, distance, and volume applications.	

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MS SOCIAL STUDIES

Course Title & Description	Total Credit
World Geography 6	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
Throughout the course, students analyze maps and primary sources to identify patterns and make connections across time and space. Students are exposed to diverse cultures and learn to explore the past with historical empathy. This yearlong course studies ancient peoples, cultures, and civilizations up to approximately 300 CE, focusing on their geography, early economies, governments, and technology. Students will develop historical inquiry skills by analyzing maps and primary sources to identify patterns, make connections across time, and foster historical empathy. <i>(World Culture & Geography in SBJ)</i>	
World History 7	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
This two-semester middle school geography course introduces students to both physical and human geography, organized by global region. Units cover physical and human diversity, ancient cultures, regional studies, and modern issues. The curriculum emphasizes analyzing population, settlement, human impact on the environment, and comparing global factors such as development, standards of living, government, and economic models, while building an understanding of global cultures and historical influences. <i>(Ancient World History in SBJ)</i>	
US History 8	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC, SBJ
Over the course of two semesters, interesting course content encourages students to think carefully about the challenges and opportunities facing the United States in the twenty-first century. This comprehensive middle school course offers an interactive overview of American history across two semesters. Students will explore America's native peoples, early colonization, the American Revolution, national reconstruction, industrialization, urbanization, progressive reforms, and the nation's expanding global influence. The course encourages careful thought about twenty-first-century challenges and opportunities facing the United States. <i>(MS US History in SBJ)</i>	

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MS SCIENCE

Course Title & Description	Total Credit
HScience 6	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC
Life Science is a full-year middle school course that explores the biological sciences, focusing on scientific inquiry. The curriculum covers the definition, classification, and diversity of living organisms, cell structure, function, theory, and reproduction, genetics, Darwinian theory, and human biology and health. The course concludes with an introduction to ecology, integrating all concepts to examine the interrelationships necessary for life on Earth.	
MS Physical Science	2 Semesters
Pathways: Middle School	Platforms: SBJ
This phenomena-based middle school course explores the physical world through matter, motion, energy, and electromagnetism to spark curiosity. Using simulations and hands-on activities, students investigate chemical reactions and energy transformations while developing engineering practices and evidence-based reasoning. <i>*This counts for Science 6 in SBJ.</i>	
Science 7	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC
This two-semester Earth Science course dynamically explores the scope of Earth sciences, from basic structure and rock formation to the volatile forces shaping our planet. Given the importance of climate change and energy conservation, students will understand the concepts and causes of our changing Earth, building a solid foundation on the physical characteristics that make Earth unique compared to other solar system planets.	
MS Life Science	2 Semesters
Pathways: Middle School	Platforms: SBJ
This course utilizes a phenomenon-based and inquiry-driven approach to help students build a deep conceptual understanding of living systems. Students explore core biological principles through real-world applications, scientific modeling, data-driven investigations, hands-on labs, and digital simulations. These science pathways are designed to foster scientific reasoning, problem-solving, and literacy, preparing students for future STEM pathways. Key topics include molecular biology, genetic variation, inheritance, ecosystem interactions, natural selection, human biology, and biotechnology. <i>*This counts as Science 7 in SBJ.</i>	

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Science 8	2 Semesters
Pathways: Middle School	Platforms: EDG, EDM, GC
The selected content provides descriptions for middle school science courses at Michigan International Prep School. Science 8 is a year-long course covering chemistry and physics basics, including motion, forces, energy, and electricity, utilizing interactive virtual and hands-on labs. Additionally, MS Earth & Space Science is a two-semester, phenomenon-based course where students explore Earth's systems, geologic time, and the impact of human activity.	
MS Earth & Space Science	2 Semesters
Pathways: Middle School	Platforms: SBJ
This two-semester middle school course uses a phenomenon-based and storyline-driven approach to explore Earth's systems and its position in the solar system. Students investigate a variety of topics, including geologic time, plate tectonics, climate, natural hazards, and human impact on the planet, using hands-on labs, virtual investigations, and data analysis to build scientific reasoning and foundational skills for high school science.	

MS WORLD LANGUAGE

8th Grade students who are ready for a world 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
Spanish 1	1 Credit, 2 Semesters
Pathways: NCAA-Initial Eligibility	Platforms: EDG, EDM, GC, SBJ
This Spanish language course focuses on acquiring vocabulary, grammar, and cultural understanding of the Spanish-speaking world. The first half covers basic communication in common social situations, including greetings, introductions, and descriptions of people and family, emphasizing the development of all four language skills (listening, speaking, reading, writing). The second half expands on this foundation by covering topics such as finance, transportation, weather, food, clothing, arts, health, and travel, continuing to build on language skills and knowledge of different Spanish-speaking regions. All learning prepares students for advanced study. <i>*Available only to 8th grade students.</i>	

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French 1	1 Credit, 2 Semesters
<i>Pathways:</i> NCAA-Initial Eligibility	<i>Platforms:</i> EDM, SBJ
The French I course provides a comprehensive introduction to the language across two semesters, focusing on practical communication skills and cultural awareness. The first half emphasizes foundational skills like greetings, describing personal traits, and discussing family and social life using basic sentence structures. The second half expands this knowledge to include topics such as financial management, transportation, weather, food, health, and tourism. Throughout the course, students develop their listening, speaking, reading, and writing abilities in French while exploring various French-speaking regions to build a foundation for advanced studies. <i>*Available only to 8th grade students.</i>	
German 1	1 Credit, 2 Semesters
<i>Pathways:</i> NCAA-Initial Eligibility	<i>Platforms:</i> EDM
This German language course introduces students to German vocabulary, grammar, and the cultures of Germany, Austria, Switzerland, Luxembourg, and Liechtenstein. The first half focuses on basic communication (greetings, names, descriptions of people/family) and foundational sentence structures. The second half expands on this, covering topics like finances, transport, weather, food, health, and travel, while continuing to develop listening, speaking, reading, and writing skills. Both halves emphasize exploring German-speaking regions and build the foundation for advanced study. <i>*Available only to 8th grade students.</i>	
Sign Language 1	1 Credit, 2 Semesters
<i>Pathways:</i> NCAA-Initial Eligibility	<i>Platforms:</i> EDM, SBJ
American Sign Language (ASL) is the third most common language in North America. This course begins with introductory vocabulary and simple sentences for immediate communication, while also exploring Deaf culture, history, and values. The second half expands language skills, teaching hundreds of new signs and grammatical structures. Additionally, students will examine topics such as Deaf education, arts, culture, and careers utilizing ASL. <i>*Available only to 8th grade students.</i>	



MIDDLE SCHOOL ELECTIVES

Course Title & Description	Total Credit
MS Guitar	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> GC
Guitar I This year-long course is for beginners who will learn to play with a pick and read music. Students receive FREE weekly one-on-one virtual lessons with an expert instructor, plus a weekly group class with peers. Students must watch a short instructional video and practice the lesson material for 15-20 minutes, 3-4 days a week, to prepare for private lessons and ensure progress. A 6-string guitar (electric or acoustic), an electronic tuner, and a pick are required. MIPS offers low-cost monthly guitar rentals.	
Guitar II Students receive free weekly virtual one-on-one lessons from expert instructors and 45-minute peer Zoom classes. Guitar I is for beginners, while Guitar II is for those who can read music across all six strings and form basic chords. Both courses require a 6-string guitar, electronic tuner, and pick, with 15-20 minutes of daily practice expected for academic progress.	
Adv. Guitar Students receive free weekly virtual one-on-one lessons from expert instructors and 45-minute peer Zoom classes. Guitar I is for beginners, while Guitar II is for those who can read music across all six strings and form basic chords. Both courses require a 6-string guitar, electronic tuner, and pick, with 15-20 minutes of daily practice expected for academic progress.	
MS Piano	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> GC
MS Beginning Piano I, Levels 1-3 Students receive weekly one-on-one virtual lessons with an expert and a 30-minute group Zoom class with peers. Required weekly instructional videos are provided, and students must practice 15 minutes daily, 3-4 days per week. Beginning Piano offers Level One for beginners and Levels Two/Three for those with 1-2 years of experience; instructors assist with placement. A piano with at least 76 keys is required, and MIPS offers low-cost monthly rentals for 88-key digital pianos.	
MS Intermediate Piano Piano students receive weekly one-on-one virtual lessons with an expert, a 30-minute peer Zoom class, and instructional videos. Intermediate students practice 30 minutes daily, five days a week. An 88-key touch-sensitive digital or acoustic piano is required; MIPS provides low-cost digital rentals.	

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MS Fitness	1 Semester
<i>Pathways:</i> Middle School	<i>Platforms:</i> EDM
MS Fitness Basics 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.	
Introduction to Individual Sports I 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, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.	
Introduction to Individual Sports II 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, strength training, yoga, Pilates, dance, water sports, and cross-training. Students learn the history, rules, and guidelines of each sport, and practice specific skills related to each sport. Students also learn about the components of fitness, FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.	
MS Digital Citizenship A & B	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> EDM
Digital Citizenship is a two-semester course emphasizing ethical technology use. Students study digital etiquette, hardware, cyberbullying, and operating systems. They utilize communication tools to promote safe, legal digital media practices and learn to create professional documents, images, and spreadsheets. The curriculum also addresses intellectual property, information evaluation, and building a positive online identity. Through mini-lessons, students develop durable skills—communication, character, and mindfulness—applying them to real-world career activities.	
MS Digital Media Literacy A & B	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> SBJ
This course teaches students essential skills for safe, respectful, and responsible digital citizenship. Topics include online privacy, cyberbullying, digital footprints, media literacy, and	

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ethical online behavior. Students will learn to evaluate online information, protect personal data, communicate effectively, and make informed choices about their online presence. The course prepares students to confidently and safely engage in the digital world and foster positive online communities.	
MS Engineering & Tech A & B	2 Semesters
Pathways: Middle School	Platforms: EDM
Engineering and Technology is a two-semester course exploring fundamental engineering concepts, innovations, and their societal impact. Students use the design process to address real-world problems through prototyping and 2D drafting using manual and CAD techniques. The curriculum covers safety, technical principles, and career-related data, including job outlooks and education requirements. Additionally, students develop durable skills like metacognition and critical thinking through integrated mini-lessons and practical activities.	
MS Business & Info Tech A & B	2 Semesters
Pathways: Middle School	Platforms: EDM
Business and Information Technology is a two-semester course covering entrepreneurship, marketing, digital citizenship, and computer systems. Students learn to troubleshoot hardware, use spreadsheets, and create marketing plans and portfolios. The curriculum addresses technology ethics, career planning, financial literacy, and consumer protection laws. Through mini-lessons, students develop and apply durable skills like critical thinking to career-specific tasks.	
MS Technology Electives	1 Semester
Pathways: Middle School	Platforms: GC
Exploring Technology and Art In this course, you will combine creativity with computer science to build your own interactive games and music. You will begin with Interactive Animations and Games, using the Game Lab environment to program shapes, sprites, and animations. You'll learn to handle user input and use variables and "conditionals" to turn simple images into complex, multi-level games. Then, students are introduced to foundational programming concepts through music, using code to build, remix, and perform original songs. Students practice Computational Thinking like pattern recognition, algorithmic thinking, and debugging to design, test, and refine their musical ideas. Through sequencing, loops, and functions, students learn to think like programmers and create like musicians.	
Introduction to Python This course introduces the fundamentals of computer science through a mix of visual programming and text-based logic. You will begin with Karel the Dog, mastering top-down design, functions, and decomposition to solve grid-based puzzles. This phase builds a	

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strong foundation in algorithmic thinking and problem-solving strategies. As you transition to standard Python, you will learn to manage data using variables, user input, and mathematical operators. You will master control structures, including if/else statements and logical operators, to create programs that make decisions. The course concludes with looping and nested logic, where you will build interactive projects such as a Mad Libs generator, a Quiz Game, and a Password Authenticator.	
MS Digital Art	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> BZ, GC
MS Exploring Digital Art A & B (BZA) 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.	
MS Digital Art & Design A & B (GC) Welcome to Digital Art! Enhance your skills through this introductory course exploring creative activities like photography, video, graphic design, and illustration. Learn to capture striking photos, understand video game design planning, and build a digital portfolio. Assignments are 75% digital (computer/iPad) and 25% sketchbook-based for planning and documentation.	
MS Drawing & Painting	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> GC
Drawing & Painting 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.	
MS Music Production	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> BZ
<i>*Instructor Approval required by application process available only for 8th grade only.</i> Music Production is a year-long course in which students learn to create, record, and produce	

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original music using MacBooks and Logic Pro. Through weekly live online classes and independent studio projects, students explore beatmaking, composition, audio recording, mixing, and digital music creation across multiple musical styles. Students develop technical production skills while building a portfolio of original music demonstrating creativity, collaboration, and artistic growth.	
Modern Music	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> BZ
Modern Music is an asynchronous (no live lessons) MIPS created arts course for Middle School students to explore music from the late 20th century to today, focusing on popular, global, digital and media-based music. Students will develop listening, critical thinking, and creative skills as well as discover how music impacts humanity and reflects culture, identity, and social change. No prior musical experience is required.	
MS Health & Physical Education	1 Semester
<i>Pathways:</i> Middle School	<i>Platforms:</i> EDM, GC
MS Health 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.	
MS Health Careers In Health Careers I, students explore a variety of career options related to the health care 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.	
MS Physical Education Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Available as either a semester or year-long course, Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular	

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health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.	
MS Environmental Science A & B	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> SBJ
Develops foundational scientific inquiry skills and prepares students for advanced high school science by exploring local and global environmental issues. Students think like scientists and engineers to model natural processes, identify cause-and-effect, and evaluate solutions to real-world environmental problems. Topics include ecosystem structure and function, population growth, resource use, biodiversity, species interactions, Earth's surface and atmospheric systems, renewable and nonrenewable energy, sustainability, and human environmental impacts.	
MS Intro to Art A & B	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> SBJ
This course builds foundational skills in visual arts while encouraging creative expression and personal voice. Students will explore a variety of mediums—including drawing, painting, sculpture, and digital design—while learning essential techniques, art vocabulary, and the elements and principles of design. Through hands-on projects, students will examine major art movements, study the work of influential artists, and reflect on how art connects to culture, history, and identity. This course emphasizes both technical growth and creative problem-solving, providing a well-rounded introduction to the visual arts and laying the groundwork for more advanced art courses.	
MS Intro to Public Speaking & Comm. A & B	2 Semesters
<i>Pathways:</i> Middle School	<i>Platforms:</i> SBJ
The course provides students with fundamental skills in verbal and nonverbal communication, active listening, and various speech styles. Students will develop critical thinking and media literacy by analyzing how digital platforms, such as social media and podcasts, influence modern discourse. Through hands-on experience in public speaking and collaborative discussions, students will become confident communicators capable of adapting messages for diverse personal and professional audiences.	
MS Learning Strategies	2 Semesters

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<i>Pathways:</i> Middle School	Platforms: SBJ
This middle school course focuses on developing essential academic and self-management skills beyond basic intelligence. Students explore goal setting, time management, metacognition, and perseverance while connecting their personal learning styles to effective study techniques. The curriculum emphasizes building a growth mindset, resilience, and critical thinking to help students balance school with personal responsibilities and handle challenges as learning opportunities. Practical tools provided in the course aim to improve daily coursework management and foster habits for lifelong success.	
MS Theatre	2 Semesters
<i>Pathways:</i> Middle School	Platforms: GC
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.	
MS Vocal Techniques	2 Semesters
<i>Pathways:</i> Middle School	Platforms: GC
MS Vocal Techniques If you want to become a better singer then this course is for you! In this course you will benefit from required one-on-one private lessons with an expert instructor. In addition to the private lessons, voice students will have a weekly required interactive 60-minute Zoom class with other voice students, and there will be a short instructional video to watch each week with an assignment to go with it. Students that demonstrate good effort in this course are guaranteed to improve their understanding and skills as a singer.	
MS World Drumming	2 Semesters
<i>Pathways:</i> Middle School	Platforms: GC
MS World Music Drumming PREREQUISITE: Successful completion of 1 year of MIPS School Of The Arts. In this exciting and interactive course students will learn how to perform hand drumming songs from West Africa, the Caribbean, and other world music cultures. The purpose of this course goes well beyond training students to become accomplished percussionists and into the realm of creating a community of students that gain an appreciation and high level of respect for various world cultures. Members of our World Music Drumming course will be known as the MIPS Thunder Drummers and will create exceptional performance videos that will be placed on	

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YouTube. Students in this course will receive on loan a quality drum and other instruments to practice and perform with.

***Middle school students who demonstrate advanced academic mastery may be permitted to enroll in high school courses. Upon approval by the school administration, these students may complete the coursework without earning high school credit. The course will satisfy advancement prerequisites but will not appear on the high school transcript or impact the high school Grade Point Average.*

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