

2025-2026 HILLMAN JUNIOR/SENIOR HIGH COURSE GUIDE



Junior High School Course Offerings

In Alphabetical Order

Any course may be offered as an independent study course per administration.

Algebra 1 in 8

ALG 1

Grade 8

Semesters: 2

Credits: 1 High School Credit

Requirement for High School (Math 8 test-out and/or teacher recommendation required)

This course includes solving, graphing, and writing linear equations and inequalities, systems of equations and inequalities, exponential functions, quadratic functions, and radical functions as well as factoring polynomials and data analysis. Students will use technology to explore algebraic concepts and solve real-world problems.

Art or Fundamentals of Art

ART

Grades 6-8

Semesters: 2

Credits: 1

This introductory course provides understanding and hands-on experiences with the major areas of art: Drawing, Painting, Sculpture, Ceramic, etc. This class is for students who are interested in developing their artistic skills and others who simply want to enjoy creative expression.

Band 6

BAND 6

Grades 6

Semesters: 2

Credits: 1

Elective

This class offers the band experience at the beginning level. No experience is necessary - only the will and desire to play an instrument. Class activities emphasize the development of instrument technique, tone production, tuning, fundamentals of music theory, music reading, and listening skills.

Computers

Computers

Grades 6-8

Semesters: 2

Credits: 1

Elective

The Keyboarding course is designed for middle school students to master the skill of entering alphabetic, numeric, and symbolic information on a keyboard and a ten-key pad using the touch method of key stroking. Emphasis is placed on development of accuracy and speed, proper techniques, and correct finger positions.

JH Band**JH BAND****Grades 7-8***Semesters: 2**Credits: 1**Visual Performing Art*

This class continues to cover topics in ensemble performance and expands upon previously learned skills and concepts. The repertoire will include different musical genres and periods. The goal, through the use of a wide variety of music, is to assist the development of aesthetic judgment, independence, and a greater musical understanding in students.

English Language Arts 6**ELA 6****Grade 6***Semesters: 2**Requirement*

This course introduces students to basic skills in reading, writing, and critical thinking. Students learn how to analyze a variety of literature including fiction, nonfiction, and drama. Students will also learn how to properly write and format essays, create and deliver presentations, and use technology to enhance their learning experiences. This course meets the English requirement for the Michigan Merit Curriculum.

English Language Arts 7**ELA 7****Grade 7***Semesters: 2**Requirement*

This course introduces students to basic skills in reading, writing, and critical thinking. Students learn how to analyze a variety of literature including fiction, nonfiction, and drama. Students will also learn how to properly write and format essays, create and deliver presentations, and use technology to enhance their learning experiences. This course meets the English requirement for the Michigan Merit Curriculum.

English Language Arts 8**ELA 8****Grade 8***Semesters: 2**Requirement*

This course further introduces students to basic skills in reading, writing, and critical thinking. Students learn how to analyze a variety of literature, including fiction, nonfiction, and drama. Students will also learn how to properly write and format essays, short stories, create and deliver presentations, and use technology to enhance their learning experiences. This course meets the English requirement for the Michigan Merit Curriculum.

English 9 in 8**ENG 9****Grade 8***Semesters: 2**Credits: 1**Requirement for High School (ENG 8 test-out and/or teacher recommendation required)*

This course is designed to further develop a student's skills in reading, writing, and critical thinking. By analyzing a variety of literary forms, students will learn how to write essays, create and present ideas, and use technology to enhance their educational experience. This course meets the English requirement for the Michigan Merit Curriculum.

Health**HEALTH****Grades 6-7***Semesters: 1**Credits: .5***Requirement**

This course is designed to cover the basics of health education as required by the state of Michigan as it relates to health and physical fitness. This course fulfills the Health requirement for HIV/AIDS instruction required by the Michigan Curriculum.

Health 8**HEALTH 8****Grades 8***Semesters: 1**Credits: .5***Requirement for High School**

This course is required and designed to cover the basics of health education as required by the state of Michigan as it relates to health and physical fitness. The course also fulfills the HIV/AIDS requirement for the State of Michigan. This course fulfills the Health requirement for the Michigan Merit Curriculum. This course fulfills the HS credit for Health.

History 6**HIST 6****Grade 6***Semesters: 2**Credits: 1***Requirement**

The sixth grade social studies curriculum introduces students to the cultures of the Eastern Hemisphere. Through the study of geography, students learn the locations of significant places in Europe, Africa, Asia, and Australia. Differences in governments and economies are examined. The course is also devoted to the study of the first three eras in World History. Students learn about the earliest humans and explore early migration and settlement patterns. Students learn how the emergence of pastoral and agrarian societies set the stage for the development of powerful empires, trade networks, and the diffusion of skills and ideas. The course also includes an in-depth investigation of different world religions.

History 7**HIST 7****Grade 7***Semesters: 2**Credits 1***Requirement**

The seventh grade social studies curriculum introduces students to the cultures of the Eastern Hemisphere. Through the study of geography, students learn the locations of significant places in Europe, Africa, Asia, and Australia. Differences in governments and economies are examined. The course is also devoted to the study of the first three eras in World History. Students learn about the earliest humans and explore early migration and settlement patterns. Students learn how the emergence of pastoral and agrarian societies set the stage for the development of powerful empires, trade networks, and the diffusion of skills and ideas. The course also includes an in-depth investigation of different world religions.

History 8**HIST 8****Grade 8***Semesters: 2**Credits: 1***Requirement**

Students Focus on American History from the American Revolution through Reconstruction. Significant people, events, and ideas are explored. Citizenship, social studies skills, current events, and other important topics are integrated throughout the year.

ICE**ICE****Grades 6-8***Semesters: 2**Credits: .5***Requirement**

This course is designed to be supervised and guided during a period of time when students can work on academic growth areas with either a content specialist or a strategy specialist.

Life Skills**Life Skills****Grades 6-8***Semesters: 2**Credits: 1***Elective**

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.

Math 6**MTH 6****Grade 6***Semesters: 2**Credits: 1***Requirement**

This course focuses on the following areas: developing an understanding of and applying proportional relationships; operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings, geometric constructions, and surface area, and volume; and drawing inferences about populations.

Math 7**MTH 7****Grade 7***Semesters: 2**Credits: 1***Requirement**

This course focuses on the following areas: developing an understanding of and applying proportional relationships; operations with rational numbers and working with expressions and linear equations; solving problems involving scale drawings, geometric constructions, and surface area, and volume; and drawing inferences about populations.

Math 8**MTH 8****Grade 8***Semesters: 2**Credits: 1**Requirement or Algebra 1 in lieu of*

Students will study rational and irrational numbers, algebraic expressions and equations, systems of equations, relations and functions (linear, nonlinear and quadratic), congruence, similarity and transformations of geometric shapes, Pythagorean Theorem, volume, area, perimeter and surface area of figures and how to use and analyze data. This course meets the Math 8 requirement for the Michigan Merit Curriculum. **Prerequisite:** Math 7.

OL**Online Learning****Grade 6-8***Semesters: 1**Credits: .5*

Various teacher-led high school .5 credit courses offered through online providers. Meets the .5 credit requirement for online learning. Students may not enroll in an online class that is offered by a teacher on site unless a scheduling conflict affects a need as determined by academic advising.

Physical Education and Health**PE****Grade 6-7***Semesters: 1**Credits: .5**Requirement*

This year-long course may be defined as the part of a total educational experience which provides instruction, practice, and feedback that meets the Grade Level Content Expectations for Physical Education through the Michigan Department of Education. Throughout this course you will be participating in many sport activities such as: Flag Football, Soccer, volleyball, Basketball, Eclipse ball, Badminton, Ping Pong, Ultimate Frisbee, Pickleball, Softball, Archery, and Physical Fitness along with other miscellaneous activities. Students in this course will be pulled to a segment of Health. Health is designed to cover the basics of health education as required by the state of Michigan as it relates to health and physical fitness. This course fulfills the Health requirement for HIV/AIDS instruction required by the Michigan Curriculum.

Resource Room**Resource Room****Grades 6-8***Semesters: 2**Credits: 1**Special Education Support*

The primary focus of this program is to provide students with learning strategies, study techniques, organizational and social/emotional skills that address IEP objectives. Students also utilize the resource room for testing accommodations and to receive/review, reinforcement, and re-teaching of content area concepts. The overall goal of the resource room is to offer students the tools required to become independent and self-directed learners.

Science 6**SCI 6****Grade 6***Semesters: 2**Credits: 1***Requirement**

This is a required general science course for sixth grade. We will study various topics in Physical, Earth and Life Science as detailed in the Michigan Grade Level Content Expectations.

Science 7**SCI 7****Grade 7***Semesters: 2**Credits: 1***Requirement**

This is a required general science course for seventh grade. We will study various topics in Physical, Earth and Life Science as detailed in the Michigan Grade Level Content Expectations.

Science 8**SCI 8****Grade 8***Semesters: 2**Credits: 1***Requirement**

This is the study of Earth and its place in the universe. Earth Science focuses on three main ideas: the structure of the Earth system, Earth's history and Earth in the solar system. This is a required course for all eighth grade students. We will cover the Earth Science - Michigan High School Content Expectations. Every student has the opportunity to earn one high school science credit if they complete each semester (1/2 credit each) with a passing grade.

Social Studies 6**SS 6****Grade 6***Semesters: 2**Credits: 1***Requirement**

The sixth grade social studies curriculum introduces students to the cultures of the Eastern Hemisphere. Through the study of geography, students learn the locations of significant places in Europe, Africa, Asia, and Australia. Differences in governments and economies are examined. The course is also devoted to the study of the first three eras in World History. Students learn about the earliest humans and explore early migration and settlement patterns. Students learn how the emergence of pastoral and agrarian societies set the stage for the development of powerful empires, trade networks, and the diffusion of skills and ideas. The course also includes an in-depth investigation of different world religions.

Social Studies 7**SS 7****Grade 7***Semesters: 2**Credits: 1***Requirement**

The seventh grade social studies curriculum introduces students to the cultures of the Eastern Hemisphere. Through the study of geography, students learn the locations of significant places in Europe, Africa, Asia, and Australia. Differences in governments and economies are examined. The course is also devoted to the study of the first three eras in World History. Students learn about the earliest humans and explore early migration and settlement patterns. Students learn how the emergence of pastoral and agrarian societies set the stage for the development of powerful empires, trade networks, and the diffusion of skills and ideas. The course also includes an in-depth investigation of different world religions.

Social Studies 8**SS 8****Grade 8***Semesters: 2**Credits: 1***Requirement**

Students Focus on American History from the American Revolution through Reconstruction. Significant people, events, and ideas are explored. Citizenship, social studies skills, current events, and other important topics are integrated throughout the year.

STEM**STEM****Grade 6-8***Semesters: 2**Credits: 1*

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

Virtual Enrollment (Online Courses)**VE****Grades 6-8***Semesters: 1**Credits: .5*

Various teacher-led high school .5 credit courses offered through online providers. Meets the .5 credit requirement for online learning. Students may not enroll in an online class that is offered by a teacher on site unless a scheduling conflict affects a need as determined by academic advising.



2024-2025 HILLMAN JUNIOR/SENIOR HIGH COURSE GUIDE

High School Course Offerings

In alphabetical order

Any course may be offered as an independent study course per administration.

Algebra 1

ALG 1

Grades 8-9

Semesters: 2

Credits: 1

Math Credit

This course includes solving, graphing, and writing linear equations and inequalities, systems of equations and inequalities, exponential functions, quadratic functions, and radical functions as well as factoring polynomials and data analysis. Students will use technology to explore algebraic concepts and solve real-world problems.

Algebra 2A

ALG 2A

Grades 9-12

Semesters: 2

Credits: 1

Meets first half of Algebra 2 requirement

This course is designed as a review and extension of the skills developed in Algebra I and Geometry. It is designed for students who have struggled with math concepts. Algebra 2A & 2B will cover the same materials as the Algebra II class does in 1 year. A development of skills in mathematical practices is included. Algebra II is a study of number systems, algebraic expressions, algebraic properties, all families of functions, linear and nonlinear equations, sequences and series, trigonometry, probability and data analysis with statistics. In this course we will use graphing calculators and other technologies to explore algebraic concepts, and real world problem solving. This course along with Algebra 2B meets the Algebra II requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of Algebra 1 and Geometry with teacher recommendation

Algebra 2B**ALG 2B****Grades 9-12***Semesters: 2**Credits: 1**Meets second half of Algebra 2 requirement*

This course is a continuation of Algebra 2A. Algebra 2A & 2B will cover the same materials as the Algebra II class does in 1 year. A development of skills in mathematical practices is included. Algebra II is a study of number systems, algebraic expressions, algebraic properties, all families of functions, linear and nonlinear equations, sequences and series, trigonometry, probability and data analysis with statistics. In this course we will use graphing calculators and other technologies to explore algebraic concepts, and real world problem solving. This course along with Algebra 2A meets the Algebra 2 requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of Algebra 1 and Geometry with teacher recommendation

Algebra 2**ALG 2****Grades 9-12***Semesters: 2**Credits: 1**Math Credit*

This course is designed as a review and extension of the skills developed in Algebra I and involves the use of those skills in problem situations. A development of skills in mathematical practices is included. Algebra II is a study of number systems, algebraic expressions, algebraic properties, all families of functions, linear and nonlinear equations, sequences and series, trigonometry, probability and data analysis with statistics. In this course we will use graphing calculators and other technologies to explore algebraic concepts, and real world problem solving. This course meets the Algebra 2 requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of Algebra 1 and Geometry

Alternative Education**A.E. Learning****Grade 9-12***Semesters: 1**Credits: .5*

Various teacher-led high school .5 credit courses offered through online providers. Meets the .5 credit requirement for online learning. Students may not enroll in an online class that is offered by a teacher on site unless a scheduling conflict affects a need as determined by academic advising.

Anatomy**Anatomy****Grade 9-12***Semesters: 2**Credits: 1**Science Credit*

This course will serve as an introduction to the systems of the human body. Necessary life functions and survival needs will be examined, followed by an orientation of the language of anatomy. Thorough analyses of intracellular function, tissue types, the integumentary system, skeletal tissue and the human skeleton, joints, muscle tissue and the muscular system, the fundamentals of nervous tissue, the nervous system, and the endocrine system will follow.

Applied Math**Applied Math****Grade 11***Semesters: 2**Credits: 1**Math Credit*

Applied Mathematics is a field that uses mathematical concepts and tools to solve real-world problems across various disciplines like engineering, finance, and computer science. It involves developing mathematical models to represent and analyze complex situations, and then using mathematical techniques to find solutions. Calculus and Differential Equations: Essential for modeling continuous change and rates of change. Linear Algebra: Used for analyzing systems of equations and transformations. Probability and Statistics: Necessary for understanding and analyzing random phenomena and data. Numerical Analysis: Focuses on developing and analyzing computational methods for solving mathematical problems. Specialized Areas: Depending on the specific focus of the program, students may take courses in areas like mathematical finance, computational mathematics, or optimization.

Band**HS Band****Grades 9-12***Semesters: 2**Credits: 1**Visual Performing Art*

This class continues to cover topics in ensemble performance and expands upon previously learned skills and concepts. The repertoire will include different musical genres and periods. The goal, through the use of a wide variety of music, is to assist the development of aesthetic judgment, independence, and a greater musical understanding in students.

Broadcasting**Broadcasting****Grades 9-12***Semesters: 2**Credits: 1**Visual Performing Arts*

Independent study allows the student to explore a topic of interest under the close supervision of a faculty member who has agreed to direct the student's work. This course involves the study of broadcasting and hands-on training. Emphasis will be placed on three main production aspects: video camera recording, on-camera reporting, and footage editing. A key component is to develop the ability to successfully communicate with the viewing audience. The course project requirements and participation occur within and beyond the school setting.

Careers**Careers****Grade 9-12***Semesters: 2**Credits: 1**Visual Performing Arts*

A career exploration course helps students discover potential career paths by identifying their strengths, understanding available opportunities, and developing the skills needed for success in the workforce and further education. These courses often involve researching career clusters, exploring required skills and education, and even engaging with industry professionals. Ultimately, career exploration courses aim to equip students with the knowledge and tools to make informed decisions about their future careers.

Character and Leadership**Character and Leadership****Grade 9-12***Semesters: 2**Credits: 1**Visual Performing Arts*

Character & Leadership Development empowers students to become a difference maker. They will learn what it takes to hone their leadership styles and develop personal qualities that will enhance their ability to grow and sustain healthy relationships. By using critical thinking, good decision making, and hard work, students will begin to find both success and significance. The course begins with providing students the opportunity to identify and write out their life vision, mission, and purpose and begin to understand the value of making memories, having adventures, and creating meaningful experiences. Upon completion of this course, students will have a clear understanding of what it takes to have an impact on their family, friends, and peers, as well as a personal action plan of practical steps they can take to reach their goals.

Chemistry**CHEM****Grade 9-12***Semesters: 2**Credits: 1**Science Credit*

The study of the major concepts and theories required for an understanding of chemical phenomena. Principal topics include atomic and molecular structure, gas laws, stoichiometry, changes of state, chemical binding, solutions, and energetics in chemical reactions. Laboratory work includes quantitative measurements of solutions, synthesis, characterization of chemicals by physical and spectroscopic methods, molecular modeling, and student-assigned projects concentrating on quantitative measurements of solutions. Course intended primarily for students with little or no previous chemistry background.

Civics**CIVICS****Grades 9-12***Semesters: 1**Credits: .5**Requirement*

Government is a one-semester course in the study of federal, state, and local governments emphasizing the executive, legislative, and judicial branches.

Communications**COMMUNICATIONS****Grades 9-12***Semesters: 1**Credits: .5**Visual Performing Arts*

This course introduces students to what communication is and how it affects human interaction. Emphasis is on public speaking with attention to audience analysis, organizational, and delivery skills. The controlled and supportive classroom environment is an ideal setting for students to practice and perfect those communication skills of effective speaking and critical listening valued in all professions, the community, and personal relations. It is, however, a complex discipline of reading, writing, research, and performance.

Comparative History**COMP HISTORY****Grade 9-12***Semesters: 2**Credits: 1**Social Studies Credit*

Comparative History traces the development of civilization from ancient to modern times. Consideration will be given to cultures in the global setting with emphasis on Western, Eastern, African, Middle Eastern and Latin cultures in current and historical perspective. A variety of historic materials will be used to enable students to approach the present world with an understanding of its institutions and ideas. The incorporation of works of literature into this course promote the development of reading and writing strategies and help students to better understand world history.

Computers**HS Computers****Grades 9-12***Semesters: 2**Credits: 1**Visual Performing Art*

Introduction to the central ideas, practices and impact of computer science and computational thinking. Covers the seven big ideas in computer science: creativity, abstraction, data and information, algorithms, programming, the internet and global impact. Computational thinking practices: connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.

Creative Writing**Creative Writing****Grades 9-12***Semesters: 2**Credits: 1**Visual Performing Art*

This course will focus on expressive writing in many different forms. Students will have the opportunity to explore several different types of poetry and prose styles, as well as responding to literature, art mediums, quotes, and music. Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course.

Current Events**CURRENT EVENTS****Grades 9-12***Semesters: 2**Credits: 1**Elective*

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: Competing beliefs and goals; methods of engagement; and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. Approaches to addressing global and regional issues reflect historical influences.

Construction 1	CTE Construction 1	Grades 10-12
<i>Semesters: 2</i>		
<i>Credits: 1</i>		
<i>CTE</i>		
<p>Construction Technology provides students with classroom instruction and hands-on experiences in various specialties of the construction industry. Students will gain knowledge and apply it to the following areas: carpentry, electrical, masonry and plumbing. A strong emphasis is placed on safety.</p>		

Construction 2	CTE Construction 2	Grades 10-12
<i>Semesters: 2</i>		
<i>Credits: 1</i>		
<i>CTE</i>		
<p>The Construction Trades Program at the BACC is designed to teach high school students entry-level skills in Carpentry and Basic Construction according to industry standards. Students will be given the opportunity to complete the following 12 segments, as outlined by the Michigan Department of Education - Michigan Center for Career and Technical Education (CTE) standards</p>		

Criminal Mind	Criminal Mind	Grade 9-12
<i>Semesters: 1</i>		
<i>Credits: .5</i>		
<i>Science Credit</i>		
<p>This course is the study of crime and criminal behavior, informed by principles of sociology and other non-legal fields, including psychology, economics, statistics, and anthropology. Criminologists examine a variety of related areas open_in_new, including: Characteristics of people who commit crimes.</p>		

Earth Science	Earth Science	Grade 9-12
<i>Semesters: 2</i>		
<i>Credits: 1</i>		
<i>Science Credit</i>		
<p>This course is an examination of the Earth as a system within itself and as a part of the solar system, the Milky Way Galaxy and the Universe in which the Earth exists. Within the Earth both the abiotic and biotic realms and the interactions between them will be considered. The history of the Earth over 4.6 billion years of development will be studied to determine the changes that have resulted in the planet humans inhabit in the present. In all these areas this will be a science course using the principles of scientific ways of knowing the Earth and its environs.</p>		

Economics	ECON	Grades 9-12
<i>Semesters: 1</i>		
<i>Credits: .5</i>		
<i>Requirement</i>		
<p>Economics is a one-semester course in the study of economic systems throughout the world, concentrating on the public and personal economies within the United States.</p>		

English 9**ENG 9****Grade 9-12***Semesters: 2**Credits: 1**English Credit*

This course is designed to further develop a student's skills in reading, writing, and critical thinking. By analyzing a variety of literary forms, students will learn how to write essays, create and present ideas, and use technology to enhance their educational experience. This course meets the English requirement for the Michigan Merit Curriculum.

English 10**ENG 10****Grade 9-12***Semesters: 2**Credits: 1**English Credit*

English 10 students will continue to develop their skills in speaking, listening, writing, grammar, literature, and vocabulary. They will use critical thinking, reading and writing skills. They will continue to use the writing process. This course meets the English requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of English 9 or dual enrollment equivalent.

English 11**ENG 11****Grade 9-12***Semesters: 2**Credits: 1**English Credit*

This course is designed to further develop a student's skills in reading, writing, and critical thinking. Students continue to analyze a variety of literature including fiction, nonfiction, drama, and poetry. Students will further develop and advance their essay writing abilities using technology and research from multiple sources. Special attention is given to the ACT/SAT testing that is required by the Michigan Merit State Testing. This course meets the English requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of English 10 or dual enrollment equivalent.

English 12**ENG 12****Grade 9-12***Semesters: 2**Credits: 1**English Credit*

This course is designed to get all students ready for the community college, university, or job field experience. Special focus is paid to technical writing features such as resume writing, cover letters, job applications, scholarship applications, and interviewing. There will also be focus on reading and writing skills essential to be successful in college and in all job fields. This course meets the English requirement for the Michigan Merit Curriculum. **Prerequisite:** Successful completion of English 11 or dual enrollment equivalent.

Environmental Science**ENV SCI****Grades 9-12***Semesters: 2**Credits: 1**Science Credit*

Environmental Science is a multidisciplinary elective course that draws from all the sciences, as well as other fields, to help students better understand how the world works, as well as the relationship between humans and the world in which we live. Both life science and physical science content standards of the Michigan Merit Curriculum will be reinforced in this elective Environmental Science class. The interconnectedness of all branches of science, coupled with an emphasis on history, government, economics, and foreign policy will highlight worldwide environmental issues and demonstrate the foundations of emerging policies.

Exploratory Science**EXP SCI****Grades 9-12***Semesters: 2**Credits: 1**Science Credit*

Students learn how to generate questions, research and develop solutions to the physical world around them. At the initial stages, teachers lead students through the process of scientific inquiry. As the curriculum builds, students become independent investigators in scientific exploration.

Focused Global Studies**Focused Global Studies****Grades 9-12***Semesters: 2**Credits: 1**Elective*

This elective course is an in-depth study of significant topics in history. Topics to be covered include the Titanic, the John F. Kennedy assassination, the Battle of the 300, Bloody Mary, William Wallace (Braveheart), the Holocaust, and students' family genealogy. Projects and classroom discussions will be utilized as part of the assessment process. Student participation in this class may partner with opportunities for international travel.

Forensic Science**Forensic Science****Grades 9-12***Semesters: 1**Credits: .5**Elective*

Forensic science is the use of scientific methods or expertise to investigate crimes or examine evidence that might be presented in a court of law. Forensic science comprises a diverse array of disciplines, from fingerprint and DNA analysis to anthropology and wildlife forensics.

Geographic Information Systems**GIS****Grades 9-12***Semesters: 2**Credits: 1**Elective*

Knowledge of Geographic Information Systems (GIS) is an increasingly sought after skill in industries from agriculture to public health. Students will learn how to analyze spatial data, use cartography techniques to communicate results in maps, and collaborate with peers in GIS and GIS-dependent fields.

Geometry**Geometry****Grade 9-12***Semesters: 2**Credits: 1**Math Credit*

This course is required and involves the study of two and three-dimensional geometric forms including transformations, parallel and perpendicular lines, relationships and similarity within triangles and other polygons, trigonometry, and circles as well as proof and volume and area of those figures. Students will use technology to explore geometric relationships and solve real-world problems. **Prerequisite:** Successful completion of Algebra 1.

Green Biology**Green Biology****Grade 9-12***Semesters: 2**Credits: 1**Science Credit*

This course is a required course designed to introduce students to basic biological concepts. Topics include organization and development of living systems; interdependence of living systems and the environment; genetics; evolution and biodiversity.

Health**Health****Grades 9-12***Semesters: 1**Credits: .5**Requirement*

This course is required and designed to cover the basics of health education as required by the state of Michigan as it relates to health and physical fitness. The course also fulfills the HIV/AIDS requirement for the State of Michigan. This course fulfills the Health requirement for the Michigan Merit Curriculum.

High School Sports**HS Sports****Grades 9-12***Semesters: 2**Credits: 1**Elective*

The purpose of this course is to develop the physical skills necessary to be competent in many forms of movement, knowledge of team sports concepts such as offensive and defensive strategies and tactics, and appropriate social behaviors within a team or group setting. The integration of fitness concepts throughout the content is critical to the success of this course. Units may include, but are not limited to, the following sports: Volleyball, Kickball, Dodgeball, Ultimate Frisbee, Flag Football, Team Handball & Basketball.

ICE**HS Ice****Grades 9-12***Semesters: 2**Credit: .5**Elective*

This course is designed to be supervised and guided during a period of time when students can work on academic growth areas with either a content specialist or a strategy specialist..

IS Weight Lifting**IS Weight Lifting****Grade 9-12***Semesters: 2**Credits: 1**Elective*

Independent study allows the student to explore a topic of interest under the close supervision of a faculty member who has agreed to direct the student's work. This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. ... Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning.

Newswriting**NEWS****Grade 9-12***Semesters: 2**Credits: 1**Elective*

This course is designed to introduce students to journalism. Students will create and maintain a school newspaper, newspaper website, and participate in writing, editing, and selling newspapers for the class.

OL**Online Learning****Grade 6-8***Semesters: 1**Credits: .5*

Various teacher-led high school .5 credit courses offered through online providers. Meets the .5 credit requirement for online learning. Students may not enroll in an online class that is offered by a teacher on site unless a scheduling conflict affects a need as determined by academic advising.

Personal Finance**Personal Finance****Grade 12***Semesters: 2**Credits: 1**Fulfills senior math requirement*

This course will review mathematical topics related to the real world application of consumer skills such as checkbooks, car loans, paychecks, time logs and personal accounting skills which students will face upon entry into the adult world.

Photography**Photography****Grade 9-12***Semesters: 1**Credits: .5**Visual Performing Arts*

This course uses the advanced digital camera to build basic skills in students who have an interest in photography, but no prior experience. Using a combination of lecture, demonstration, and hands-on exercises, this course will explore the basic photographic techniques and artistic concerns involved in making photographs. These include camera handling, composition, effective use of light, file management, digital image manipulation and developing a photographic vision.

Physical Science**Physical Science****Grades 9-12***Semesters: 2**Credits: 1**Science Credit*

Physics is the study of matter and energy and the interactions between the two through forces and motion. We will cover the Prerequisite and Essential standards for Physics in the Michigan High School Content Expectations. **Chemistry** is the study of composition, structure, properties and reactions of matter. We will cover the Prerequisite and Essential standards for Chemistry in the Michigan High School Content Expectations. This course is for tenth graders and is a prerequisite to Chemistry.

Resource Room**Resource Room****Grades 9-12***Semesters: 2**Credits: 1**Special Education Support*

The primary focus of this program is to provide students with learning strategies, study techniques, organizational and social/emotional skills that address IEP objectives. Students also utilize the resource room for testing accommodations and to receive/review, reinforcement, and re-teaching of content area concepts. The overall goal of the resource room is to offer students the tools required to become independent and self-directed learners.

Senior Seminar**Senior Seminar****Grade 12***Semesters: 2**Credits: 1**Personal Finance Credit**English 12 Credit*

This integrated senior seminar course empowers students with essential financial literacy skills while honing their English language arts abilities. Designed to fulfill both a personal finance requirement and an English 12 credit, students will explore the decision-making processes involved in earning, spending, saving, investing, using credit, and protecting wealth. Earning Income: Researching career options, understanding taxes and income, and exploring employee benefits. Budgeting and Saving: Developing strategies for managing income, setting financial goals, and saving for the future. Credit and Debt: Evaluating the benefits and risks of using credit, understanding credit scores, and managing debt. Investing: Introduction to basic investment concepts and strategies. Research and Information Literacy: Conducting research on financial topics and evaluating credible sources. Analytical Writing: Analyzing personal financial situations and writing persuasive arguments about financial choices. Expository Writing: Explaining complex financial concepts clearly and concisely.

Scientific Lens**Scientific Lens****Grades 9-12***Semesters: 2**Credits: 1**Science Credit*

This course introduces students to the fundamental principles of scientific inquiry and how to apply a scientific lens to understand and analyze a wide range of topics. Students will learn about the history and key components of the scientific method, including: Formulating testable hypotheses, Designing and conducting experiments, Collecting and analyzing data, Drawing evidence-based conclusions.

Sociology**Sociology****Grades 9-12***Semesters: 2**Credits: 1**Elective*

Introduction to Sociology is a course intended to give you a broad picture of the field of sociology with an emphasis on critical thinking. This course is all about problem-solving and working in groups. The course will offer you a set of intellectual tools with which to more accurately understand the society in which you live. Topics covered include; racism, gender identity, socioeconomic status, and many more. Group activity, work and cooperation are heavily emphasized. Most of the readings in this course are on the college level.

Speech**Speech****Grade 9-12***Semesters: 1**Credits: .5**Visual Performing Arts*

This course is an introduction to speech communication which emphasizes the practical skill of public speaking, including techniques to lessen speaker anxiety, and the use of visual aids to enhance speaker presentations. Civility and ethical speech-making are the foundations of this course.

STEM**STEM****Grade 9-12***Semesters: 2**Credits: 1**Science Credit*

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

United States History and Geography**US HIST & GEO****Grade 9-12***Semesters: 2**Credits: 1**Social Studies Credit*

US history is a year-long course in the study of United States history and geography from the Progressive Era around the turn of the century to the present.

Virtual Enrollment (Online Courses)**VE****Grades 9-12***Semesters: 1**Credits: .5*

Various teacher-led high school .5 credit courses offered through online providers. Meets the .5 credit requirement for online learning. Students may not enroll in an online class that is offered by a teacher on site unless a scheduling conflict affects a need as determined by academic advising.

VE German 1**VE German****Grades 9-12***Semesters: 1**Credits: .5 each**Foreign Language*

In German I students learn basic German grammar such as verb conjugation and adjective agreement and practice the basic skills of listening, speaking, reading and writing in the present tense with an emphasis upon correct oral and written expressions and aural comprehension. Students are also introduced to various aspects of German culture in Germany and in German speaking countries in the text and through videos and presentations, which may include historical, social and cultural topics.

VE Latin 2 A/B**VE Latin 2 A and B****Grades 9-12***Semesters: 1**Credits: .5 each**Foreign Language*

Students begin their introduction to Latin by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning. Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Woodworking 1**CTE WOOD 1****Grades 9-12***Semesters: 2**Credits: 1**CTE*

This class offers students knowledge and practical experience in the specialized area of cabinetmaking. Students are given an in-depth experience in design production and uses of cabinets. Students will learn to mentor and supervise the demonstration of inexperienced/beginning woodworking students. Safe equipment use and processes will be covered.

Woodworking 2**CTE WOOD 2****Grades 10-12***Semesters: 2**Credits: 1**CTE*

This is an advanced class that builds on the skills learned in Woodworking 3 plus introduces new techniques and skills. This course will include career identification. Students will mentor and supervise the demonstration of inexperienced/beginning woodworking students. Safe equipment use and processes will be covered.

Work Based Learning**Work Based Learning****Grades 11-12***Semesters: 2**Credits: 1**Elective*

The purpose of work-based learning is to provide students the opportunity to connect what they learn in school with work-site applications to enable a smooth transition into the workforce and/or postsecondary education after graduation from high school. Juniors = 1 hour / Seniors = 2 hours

World History and Geography**W HIST & GEO****Grade 9-12***Semesters: 2**Credits: 1**Social Studies Credit*

This course is designed to further develop students' familiarity and understanding of geographical features, their importance, and how geography shapes the ways people live and interact with their environment. This course also further develops students' understanding of the shared historical experiences across the world, their mental timeline of events, and how society has developed and changed. Special attention is paid on primary documents and informational text reading skills. This course meets the World History and Geography requirement for the Michigan Merit Curriculum.

Yearbook**YEARBOOK****Grade 9-12***Semesters: 1**Credits: .5**Visual Performing Arts Credit*

Yearbook is a semester-long, one credit, technology class that produces the school yearbook. This class will count towards one of the required technology credits. Members of the staff are expected to have a high level of maturity and the ability to work independently. Students will be responsible for the production, design, and publication of the school yearbook. This production based course requires both in class and after school time. This is a wonderful opportunity for members of the team to exercise their creativity, while developing new skills in computer design, photography, copywriting, and project management. Creating the yearbook is a fun process and the end result of all the effort is a product the students can be proud of.

Zoology**Zoology****Grades 9-12***Semesters: 2**Credits: 1**Science Credit*

This course discusses the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates, including sponges, flatworms, mollusks, insects, arthropods, and echinoderms, and vertebrates, including fishes, amphibians, reptiles, birds, and mammals. This course is designed for the college-bound student. Students should expect a demanding daily homework load as well as projects, quizzes, tests, and laboratory write ups. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.