

EHS COURSE CATALOG

*These are all courses we that might be offered. This is not a guarantee that the course will end up being offered. It is also not a guarantee you will be able to take the course.

** Are courses required for graduation.

AGRICULTURE DEPARTMENT

Students who take any of the following classes offered through the Agricultural Department are automatically a member of the FFA. The Evergreen FFA is involved in community service projects and Career Development Events (CDE). Participation in this organization is required and is a portion of the student's grade. Having a Supervised Agricultural Experience (SAE) is encouraged for those students who wish to receive various FFA Degrees. The SAE program is overseen by the advisor in conjunction with the student and parents. For more information contact the Agricultural Dept. Upon completion of each course, students will be required by the state to take an exit exam. Acceptance into these courses may be denied due to disciplinary and/or safety concerns.

Agriculture I: Agriculture, Food & Natural Resources

Credit 1.0 / Prerequisite: None / Grades 9-10

This first course in the career field is an introduction to agricultural and environmental systems. Students will be introduced to the scope of the agricultural and environmental systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

Agriculture II: Mechanical Principles

Credit 1.0 / Prerequisite: Ag I / Grades 9-12

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply principles of engineering and design along with an understanding of the properties and uses of construction materials to buildings and structures used in agriculture, horticulture and natural resources. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

Agriculture III: Business Management for Ag & Environmental Systems

Credit 1.0 / Prerequisite: 3 Agricultural Classes / Grades 11-12

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Animal & Plant Science

Credit 1.0 / Prerequisite: None / Grades 10-12

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

Livestock Selection, Nutrition & Management

Credit 1.0 / Prerequisite: None / Grades 10-12

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

Greenhouse & Nursery Management

Credit 1.0 / Prerequisite: None / Grades 10-12

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

ART DEPARTMENT

** 1 credit of Fine Arts is required for graduation (Band/Choir or any Art Course below)

Art I

Credit: 1.0 / Prerequisite: None / Grades 9-12

This course is designed to teach the student the basic elements and principles of art and to familiarize the student with various art media, techniques and materials in both 2-dimensional and 3-dimensional areas. The following areas will be covered: drawing, painting, printmaking, sculpture, ceramics, art history, and computer art.

Sculpture

Credit: 1.0 / Prerequisite: Teacher's approval required if C or lower in Art I / Grades 9-12

This course will focus on connections between sculpture and other art disciplines as they relate specifically to three-dimensional art. Students will gain knowledge in additive, subtractive, and assemblage techniques as sources of construction, with a focus in ceramics.

Graphic Design I

Credit: 1.0 / Prerequisite: None / Grade: 9-12

This course is designed to take students through the design process ranging from brainstorming and idea development, through the digital artwork and printing process. Students will enhance and apply their own ideas to create designs like posters, magazine covers, album covers, billboards, etc. Topics discussed include: design briefs, brainstorming, logos, design principles and elements, thumbnails, mark making, layout, typography, printing types, stock paper, software/hardware, rationales and presentation.

Graphic Design II

Credit: 1.0 / Prerequisite: B in Graphic Design I / Grade: 9-12

This course is designed to build on what you previously learned in Graphic Design. Students will work on more in depth projects that build on design principles, critically thinking, problem solving, and collaboration. Students will also be able to work on self driven projects that appeal to them personally.

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Digital Photography

Credit: 1.0 / Prerequisite: None / Grade: 9-12

Digital Photography is a class that focuses on the understanding of basic operations of a digital camera. Students will learn about photographic elements of art and principles of design, composition, lighting, and digital editing software. Students will also learn to examine images critically through written responses or class critiques and will be put into real life photography situations.

Senior Studio Art

Credit: 1.0 / Prerequisite: B or better in three art courses and teacher app / Grade: 12

This class will focus on bringing together a body of art for a portfolio. The student is expected to be able to work independently on projects while exploring multiple art making processes, learning to create an artist statement, along with applying for colleges, attending portfolio reviews, and applying for scholarships.

Yearbook

Credit: .5 per semester: 1 Credit total for the year/ Full year course/ Prerequisite: Application process/ Grades 9-12

Yearbook is a yearlong class that is designed to develop students' skills in yearbook production. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography, desktop publishing and using appropriate technology tools for media production. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles. The grade is based on the Pass/Fail grading system and will not be averaged into the cumulative grade point average.

BUSINESS DEPARTMENT

Accounting

Credit: 1.0 / Prerequisite: None / Grades 9-12

Accounting is the study of finances as they pertain to a business. This class is focused on forms of business ownership. It will also deal with planning, keeping, analyzing, and interpreting financial records of a business.

Business Education & Economics

Credit: 1.0 / Prerequisite: None / Grades 9-12

Business Education & Economics (formerly Economics) is a dynamic course that deals with the science of making decisions. This is a college prep course, but it is appropriate for any student interested in business and how our economy functions. It is designed to show how business education and economics relates to the everyday lives of all Americans. The primary objective of the course is to teach students the basic tools of economic concepts, which will enable them to make better choices in the marketplace. Students will learn through practical examples and discussion how our economy is organized and how supply and demand, the government, and the Federal Reserve System influence our economy. The study of the theory of economics will include various business economic systems such as socialism, capitalism and communism. After this course, students will be better informed and more responsible consumers, sellers, savers, workers, and employers.

COMPUTER DEPARTMENT

Integrated Applications

Credit: 1.0 / Prerequisite: None / Grades 9-12

Integrated Applications deals with many computing applications: word processing, database, spreadsheet operations, web page design, Photo Booth, Garage Band, Keynote, Powerpoint, i-Movie, i-DVD, i-Photo, and i-Tunes. Students will use these applications to create multimedia presentations.

ENGLISH DEPARTMENT

*** 4 English credits are required for graduation (LA9 or Honors, LA 10 or Honors, LA 11 or AP, LA 12 or AP)*

Language Arts 9**

Credit: 1.0 / Prerequisite: None / Grade 9

This is the first of four required language arts credits. A credit in this course must be completed before a student may enroll in the next level. The course focuses on experiencing literature and developing personal communication skills. Outside reading and compositions are required as part of this course. Vocabulary, grammar, reading comprehension, study skills and the correct use of the written language are stressed. At this level the student will learn to write a research paper and complete all aspects of research for that paper using the MLA style.

Honors Language Arts 9

Credit 1.0 / Prerequisite: Adv(5) or Accel(4) score on grade 7 ELAAIR test, B+ or better in LA 8, and LA 8 teacher approval / Grade 9

A freshmen language arts class for the highly motivated student who likes to read and has strong writing skills. The literary and writing curriculum for this course is based on the curriculum for Language Arts 9 but includes an increased focus on literary analysis as well as student-directed discussions and assignments.

Language Arts 10**

Credit: 1.0 / Prerequisite: Language Arts 9 / Grade 10

This is a required course for all sophomore students - unless the student is taking Honors Lang. Arts 10. The student will progress beyond the fundamentals of grammar to intermediate grammatical skills necessary to writing. These skills will then be applied to a more in-depth study of composition. Language Arts 10 will continue with a survey of the novel, drama, short stories, poetry, and independently guided reading assignments. Vocabulary and speaking skills will continue to be stressed with composition being the main focus.

Honors Language Arts 10

Credit 1.0 / Prerequisite: B or better in LA 9 and most recent teacher approval / Grade 10

A sophomore language arts class for the highly motivated student who likes to read and has good writing skills. The literary and writing curriculum for this course is based on the curriculum for Language Arts 10 but includes an increased focus on literary analysis as well as student-directed discussions and assignments.

Language Arts 11 (American Literature) **

Credit: 1.0 / Prerequisite: Language Arts 10 / Grade 11

****Either this course or AP Language and Composition is required to meet the third year English graduation requirement.**

This is a required course for all juniors - unless the student is taking AP Language and Composition. Reading will focus on major figures in American Literature. Short stories, poetry, drama, and novels will be covered. Grammatical skills previously mastered will be primarily applied through student writing.

AP Language & Composition

Credit 1.0 (spring term) / Prerequisite: B or better in H LA 10 &/or AP Literature & Composition, and English Dept. Chair approval / Grade 11-12

AP English and Composition is a college-level course examining rhetoric in all forms as students study the techniques all creators use to manipulate an audience, analyzing author's purpose, as well as using close language studies to improve diction. Students must come into the class expecting an intensive writing experience, which will include in-class timed essays, in/out of class revised and polished works, reflective writing, journaling, peer editing, and research. All students enrolling will be expected to take the end-of-year AP Language & Composition Exam. Associate fee to take AP test.

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Language Arts 12 **

Credit: 1.0 / Prerequisite: Language Arts 11 / Grade 12

****Either this course or Ap English & Composition or AP Literature are required to meet the fourth year English graduation requirement.**

Content of the curriculum is selected with the goal of broadening student experiences in literature and practicing reading, writing, and communication skills that will prepare future graduates for secondary education as well as the workforce. Students will be expected to use skills mastered in previous language arts classes.

AP English Literature & Composition

Credit 1.0 (spring term) / Prerequisite: B or better in H LA 10 &/or AP Language & Composition, and English Dept. Chair approval / Grade 11-12

AP English Literature and Composition is a course offered to high school juniors or seniors intended to give students the experience of an intensive introductory college literature course. This class includes a close study of representative works from various genres, periods, and cultures, concentrating on works of recognized literary merit. Course reading builds on previous practices of AP Language & Composition with writing focusing on critical analysis of literature through expository, analytical, and argumentative modes. All students enrolling in this class will be expected to take the end-of-year AP Literature & Composition Exam. Associate fee to take AP test.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Foods 1: Culinary Fundamentals (Healthy and Safe Food)

Credit: 1.0 / Prerequisite: None / Grades: 9-12

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

Global Foods

Credit: 1.0 / Prerequisite: Culinary Fundamentals or teacher approval / Grades: 9-12

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

Nutrition and Wellness (Advanced Foods)

Credit: 1.0 / Prerequisite: Culinary Fundamentals or teacher approval / Grades: 9-12

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

Career and College Readiness

*Credit:1.0 / Prerequisite: None for 10-11. 12th grade students need teacher approval * / Grade: 10-12**

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship.

Child Development

Credit: 1.0 / Prerequisite: None / Grade: 9-12

In this course, students will study the principles of child growth, development and behavior. An emphasis will be place on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

FOREIGN LANGUAGE DEPARTMENT

Spanish I

Credit: 1.0 / Prerequisite: C or better in ELA or B in 7/8th grades / Grades 8-12

The beginning course involves speaking, listening, reading, and writing in the target language through participation. Students are engaged in Comprehensible Input (CI) style teaching (understandable language) right from the start through storytelling, music, and reading along with mini grammar lessons. In addition, students learn a variety of cultural themes, geography and classroom commands.

Spanish II

Credit: 1.0 / Prerequisite: C or better in Spanish I / Grades 9-12

The course continues using Comprehensible Input (CI) style teaching through storytelling, music, and reading along with mini grammar lessons. Many lessons focus on cultural themes and topics in Spanish speaking countries and the USA. Students continue to speak, listen, read, and write in the target language as well as read a short novel.

Honors Spanish II

Credit: 1.0 / Prerequisite: teacher signature/ Grades 9-12

The course continues using Comprehensible Input (CI) style teaching through storytelling, music, and reading along with mini grammar lessons, but at a faster pace. Many lessons focus on cultural themes and topics in Spanish speaking countries and the USA. Students continue to speak, listen, read, and write in the target language as well as read up to two short novels.

Spanish III

Credit: 1.0 / Prerequisite: C or better in Spanish II / Grades 9-12

The course continues using Comprehensible Input (CI) style teaching through storytelling, music, and reading along with mini grammar lessons. Many lessons focus on cultural themes and topics in Spanish speaking countries and the USA. Students continue to speak, listen, read, and write in the target language, but students are expected to produce more spontaneous conversations through class discussions as well as read a short novel.

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Spanish IV

Credit: 1.0 / Prerequisite: B or better in Spanish III / Grade 10-12

The course continues using Comprehensible Input (CI) style teaching through storytelling, music, and reading along with mini grammar lessons. Many lessons focus on cultural themes and topics in Spanish speaking countries and comparing them to the USA. Students continue to speak (producing even more spontaneous conversations through class discussions as well as prepared presentations), listen, read (articles and a novel), and write (on both spontaneous and prompted topics).

Spanish V

Credit: 1.0 / Prerequisite: B or better in Spanish IV / Grade 10-12

The course continues using Comprehensible Input (CI) style teaching through storytelling, music, and reading along with mini grammar lessons. Many lessons focus on cultural themes, current events, and topics in Spanish speaking countries and comparing them to the USA. Students continue to speak (producing more spontaneous conversations through class discussions as well as prepared presentations), listen, read (current event and cultural articles and two novels), and write (on both spontaneous and prompted topics).

MATH DEPARTMENT

** 4 Maths are required for graduation (Algebra 1, Geometry, Algebra 2, + 1 more Math).

** All courses need Math Teacher's recommendation.

Algebra I Concepts A/B**

Credit: 2.0 / 2 term course (1 full year) / Prerequisite: Teacher recommendation or below proficient score on EOC/State testing / Grades: 9-12

This course is a year long course. Algebra 1 concepts A/B incorporates the 9th grade standards. Key concepts are quantities, seeing structure in expressions, arithmetic with polynomials and rational expressions, creating equations, reasoning with equations and inequalities, interpreting functions, building functions, linear, quadratic, and exponential models, and interpreting categorical and quantitative data. Application and critical thinking problems will be utilized throughout the course with increasing difficulty. Algebra I end of course exam will be taken at the end of the year. The TI-30xiiS is the required calculator for this class. **THIS COURSE IS NOT APPROVED BY NCAA AS A CORE COURSE. POTENTIAL DIVISION I OR II COLLEGE ATHLETES SHOULD NOT TAKE THIS COURSE.**

Algebra I **

Credit: 1.0 / Prerequisite: None / Grades: 9-12

Algebra 1 incorporates the 9th grade standards. Key concepts are quantities, seeing structure in expressions, arithmetic with polynomials and rational expressions, creating equations, reasoning with equations and inequalities, interpreting functions, building functions, linear, quadratic, and exponential models, and interpreting categorical and quantitative data. Application and critical thinking problems will be utilized throughout the course with increasing difficulty. Algebra I end of course exam will be taken at the end of the year. The TI-30xiiS is the required calculator for this class.

Geometry**

Credit: 1.0 / Prerequisite: Alg 1 / Grades: 9-12

Geometry is designed to incorporate the standards for Geometry and Measurement. Key concepts include the application of probability, congruence, similarity, trigonometry, transformations, proofs, circles both on and off a coordinate plane, and three dimensional figures. TI-30xiiS is the required calculator.

Algebra II Concepts**

Credit: 1.0 / 1 term course / Prerequisite: Geometry, Alg 1 and Teacher Recommendation / Grades: 10-12

**** If Student failed Algebra I and/or Geometry, Algebra II Concepts is required.**

Semester 1 reviews Algebra I concepts, then expands into functions, sets, factoring and graphs. Introduction of quadratic functions, rational functions, and exponential functions. Semester 2 will continue to explore many topics covered in Algebra II including linear, quadratic and polynomial functions. Operations of matrices, conic sections, logarithmic and exponential functions will be introduced. TI-30xiiS is the required calculator. **THIS COURSE IS NOT APPROVED BY NCAA AS A CORE COURSE. POTENTIAL DIVISION I OR II COLLEGE ATHLETES SHOULD NOT TAKE THIS COURSE.**

Algebra II Applications**

Credit: 1.0 / Prerequisite: C or better in Alg 1 & Geometry, 3 or better on Algebra 1 state test, teacher recommendation / Grades: 9-12

Algebra II Applications will focus on linear, quadratic, rational and exponential functions. Function operations and inverse functions will be introduced. Other topics that will be covered in this course are matrices, operations with matrices, conic sections, and logarithmic functions. TI-30xiiS is the required calculator.

Pre-Calculus with Trigonometry

Credit: 1.0 / Prerequisite: B or better in Alg 2, teacher recommendation / Grades: 10-12

This is an advanced course for college bound students. This course emphasizes elementary functions and their graphs. Polynomial, logarithmic and exponential functions. Other topics that will be covered are non-linear equations and inequalities, matrices, conic sections and statistics. Course topics also include trigonometric functions, equations and applications; polar coordinates, vectors and sequences.

Trigonometry

Credit: 1.0 / Prerequisite: B or better in Alg 2, teacher recommendation / Grades: 10-12

***this course will be offered Fall only of 2019 for those students who previously took Pre-calculus**

An advanced course for college bound students. Course topics include trigonometric functions, equations and applications; polar coordinates, vectors and sequences. The student should possess a strong background in Algebra and Geometry. TI-30xiiS is the required calculator.

Introductory Statistics

Credit: 1.0 / Prerequisite: Alg 2 applications or concepts, Teacher Recommendation / Grades: 10-12

This course is a beginning course in the study of statistics. Specific topics will include, but not limited to, measures of central tendency, standard deviation, z scores, measures of variability, elementary probability, data analysis, and graph reading. The use of statistics in our daily life will also be studied.

Transition to College Math

Credit: 1.0 / Prerequisite: Teacher recommendation / Grades: 11-12

In this course, students will explore fundamentals of Algebra including: number systems and operations; linear, quadratic, polynomial, radical and rational expressions, equations and inequalities; systems of equations, matrices and conic sections. Students will also graph linear, quadratic, polynomial and radical functions. **THIS COURSE IS NOT APPROVED BY NCAA AS A CORE COURSE. POTENTIAL DIVISION I OR II COLLEGE ATHLETES SHOULD NOT TAKE THIS COURSE.**

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Advanced Placement Calculus

Credit: 2.0 / 2 term course (1 full year) / Prerequisite: Teacher Recommendation, Pre-Calc & Trig / Grades: 11-12

An advanced course that follows the College Board's syllabus for Calculus AB. This course emphasizes functions and their graphs, exponential and circular functions, limits, derivatives, integrals and their applications. A strong background in Algebra and Trigonometry is essential, and graphing calculator is required (TI-89 or TI-89 Titanium). Students are encouraged to take the Advanced Placement Test. There is fee a to take the AP test.

MUSIC DEPARTMENT

*** 1 credit of Fine Art (Band, Chorale or Art) are required for graduation.*

Chorale/Instrumental Music

Credit: 2.0 / 2 term course (1 full year) / Prerequisite: Audition with the director is required and/or ability to play a musical instrument. Chorale requires choir director signature / Grades: 9-12

Chorale

Credit: 2.0 / 2 term course (1 full year) / Prerequisite: Audition and signature of the director is required / Grades: 9-12

Chorale utilizes a high quality of music in a variety of styles and from a variety of areas and style periods. Quality vocal and choral production are strongly emphasized. The chorale performs at 5 "major" concerts during the school year, which are a mandatory part of the course requirement. OMEA competition is also a mandatory part of the course requirement for Chorale. This course also includes sectionals, theory, history and individual vocal study.

Instrumental Music

Credit: 2.0 / 2 term course (1 full year) / Prerequisite: Audition with the director is required and/or ability to play a musical instrument / Grades: 9-12

The goal of the study of music is to invoke self-discipline, cooperation, awareness and appreciation of the fine arts. Through instrumental music performances these goals are achieved. Performances for athletic events, formal concerts, and assembly programs offer opportunities to study, perform, and appreciate a wide range of musical tastes and interests. Band membership is open to all students who have played a band instrument and/or have the permission of the instructor. This course also includes sectionals, theory, history, and individual study.

PHYSICAL EDUCATION DEPARTMENT

***1 credit of PE/Health is required for graduation.*

Physical Education / Health

Credit: 1.0 / Prerequisite: None / Grade: 9-12

PHYSICAL EDUCATION

Students will participate in a number of activities, mostly team-oriented sports. Students will also participate in various fitness related activities. Students will be tested over the history, rules, regulations, gameplay, and playing field/court of each sport covered in class. Students will also be required to complete the Ohio Department of Education Physical Education Assessments. Students will learn about the following team sports: fitness testing, soccer, volleyball, basketball, softball/whiffle ball, ultimate frisbee, field hockey, and team handball. They will also learn individual sports like archery and participate in fitness activities like yoga, pilates, circuit training, and distance running.

HEALTH

Students will study the following regarding health: a healthy foundation, mental and emotional health, nutrition and physical activity, personal

care and body systems, growth and development, and drugs. Other units include: Project Respect, Signs of Suicide (SOS), Life Connection of Ohio (Organ Donation), and Current Health (Choices Magazine).

Lifetime Sports

Credit: 1.0 / Prerequisite: B or better in PE / Grade: 10-12

This course is an elective designed for students who would like to explore new activities that they can enjoy now and into the future. Students will participate in mostly individual activities with a couple exceptions, but all activities are deemed lifetime activities. Students will be tested over the history, rules, regulations, gameplay, and playing field/court of each sport covered in class.

Fitness

Credit: 1.0 / Prerequisite: B or better in PE / Grade: 10-12

This course is an elective designed for students who would like to increase their cardiovascular endurance, stamina, strength, flexibility, power, speed, coordination, agility, and balance. Students will participate in different fitness related exercises relating to the eight aspects of physical fitness mentioned above. Students will be tested on all eight aspects before the beginning of the course and at the end of the course. Students will learn about cardiovascular endurance, stamina, strength training, flexibility, power/plyometrics, speed drills, agility and balance through various activities and trainings.

SCIENCE DEPARTMENT

***3 credits of Science are required for graduation (Physical Science, Biology + 1 more science)*

Physical Science**

Credit: 1.0 / Prerequisite: None / Grade: 9

This course is a continuation of the basic principles of science. Through laboratory explorations, discussion, and group work students will explore physical science concepts such as the laws of motion, conservation of energy, electromagnetic spectrum, and the ability of energy to be transmitted through various materials. This class will also introduce new chemistry topics such as chemical reactions, ionic and covalent bonding, and the arrangement of electrons in the atom. A scientific calculator is recommended for this course.

Biology I**

Credit: 1.0 / Prerequisite: Integrated Science 9 / Grades 9-10

This course develops a comprehensive understanding of living things. Through laboratory investigations, discussion, and research students will learn about the chemicals that are important to all life, how cells are put together and function, how genetic traits are passed on, and the importance of bacteria and viruses in causing disease. The study of how living things interact in their natural environments will also be studied.

Biology II

Credit 1.0 / Prerequisite: Biology I / Grades 10-12

This course is designed to be an extension of some of the concepts developed from the Biology I course with an emphasis on current topics and events that have an impact on humans and their environment. Current issues that may be examined are water quality and the Great Lakes, human population growth and resources, endangered and invasive species, the workings of the human immune system, bacterial and viral diseases and emerging issues to human health and safety, and finally the evidence that supports changes to human population through evolution. Each unit will include at least one laboratory based activity and Google Classroom and technology will be utilized when appropriate.

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Chemistry

Credit: 1.0 / Prerequisite: Biology, C or better Alg I, recommendation from Biology teacher / Grades 10-12

Using the technique of modeling, students will gain an understanding of chemistry. Students will discover their misconceptions and, through laboratory experiences, group discussions and activities, will model the best representation of chemical concepts. This course includes the study of measuring and using laboratory equipment, the periodic table of elements, atomic structure, molecules, chemical equations, and the behavior of matter. Students should have a strong understanding for solving mathematical equations. **Students who are planning to attend college should have a chemistry class prior to graduation from high school! This course is designed for students interested in going on to a four year college, regardless of their intended major.**

Anatomy & Physiology

Credit: 1.0 / Prerequisite: "B" or better in Biology: Chemistry is recommended / Grades 10-12

This course is designed for students who are interested in entering some area of the medical field after graduation. The course approaches the human body from its anatomical aspects to its biochemical aspects. The course involves both lecture-discussion and lab-investigation.

Physics

Credit: 1.0 / Prerequisite: Pre-Calc required, Trig recommended / Grade 11-12

In this course, the student will study measurement, motion, falling bodies, heat, light, sound, and electricity. There are many lab experiments to test the natural laws of physics. Lab write-ups are required and will include graphing and calculations. Homework that involves problem solving will be given nightly. This course does require learning formulas and their use. Seniors may take physics and chemistry concurrently.

SOCIAL STUDIES DEPARTMENT

***3 credits of Social Studies are required for graduation (World History, American History, & Government)*

World History**

Credit: 1.0 / Prerequisite: None / Grade 9

World Studies from 1750 to the Present: Age of Revolutions Through the 20th Century. Ninth-grade students continue the chronological study of world history. This course examines world events from the Enlightenment to the present. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems, and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills.

American History**

Credit: 1.0 / Prerequisite: World History / Grade 10

US Studies from 1877 to the Present: Post-Reconstruction Through the 20th Century. Tenth-grade students continue the chronological study of the history of the United States with emphasis on domestic affairs. This course examines Reconstruction to the present. As students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

American Government**

Credit: 1.0 / Prerequisite: W. Hist & Am. Hist / Grade 11

The focus of 11th grade is an in-depth study of the U. S. government and the economy. This study incorporates all current ODE standards. Students study the historic roots of the political system, the articles and amendments of the U.S. Constitution, and the Federal Reserve. They continue to develop an understanding of the rights and responsibilities of citizenship and apply federal, state, and local government to their daily lives.

Behavioral Studies: Sociology

Credit: 1.0 / Prerequisite: W. Hist & Am. Hist / Grade 10-12

Sophomores with a B or better & teacher recommendation

Sociology is an elective course with the focus on the study of society, people, and groups. This course covers everything from the analysis of short contacts between anonymous individuals on the street to the study of global social processes. Sociology will explore socialization, social institutions, social interaction, social change, collective behavior, and competition in society. Societal problems will also be analyzed from a sociological perspective.

Behavioral Studies: Psychology

Credit: 1.0 / Prerequisite: W. Hist & Am. Hist / Grade 11-12

This course will be divided into two disciplines. Psychology will explore the reasons why people think and act as they do, based on heredity, environment, biology, and human behavior. Psychology will also study the various theories of personality, mental health, illness, emotions, and intelligence.

World Geography

Credit: 1.0 / Prerequisite: W. Hist & Am. Hist / Grade 10-12

World Geography builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. Additional emphasis will be placed on the geographic concepts of regions, movement, and globalization; furthermore, students will learn not just where physical and cultural features are located and why those features are located as they are, they will also examine the implications of these spatial arrangements on the people who live there and the world at large.

SCHOOL SERVICE/STUDENT MENTOR

School Service Aide

Credit: .50 / Prerequisite: ** see below / Grade: 10-12

The school service/student mentor credit option is an opportunity for sophomores, juniors and seniors to earn one half credit through school-based service. Students interested in school service or mentoring will serve as a student aide for either the library, main office, counseling office or at the elementary.

In order to be eligible for a student aide/mentor position:

- 10th grade students must carry a minimum of 3.0 GPA with no D/F's year prior
- 11-12th grade students must carry a minimum 2.5 GPA, with no D/F's in the previous year
- A student may not have violated any major misconduct code, been on an Attendance Intervention Plan or have unexcused absences the previous term.
- Application: Students interested in school service or mentoring must fill out & complete the required application processes.

It is understood that:

- Student aides may not leave the building to run errands for faculty and/or staff.
- Students will be given one of their alternative electives, if they are not selected for school service.
- The grade is based on the Pass/Fail grading system and will not be averaged into the cumulative grade point average. Evaluation of the Pass/Fail grade will be done by the supervising teacher/staff member and will be based on the following criteria:
 - Punctuality and attendance
 - Task completion
 - Overall effectiveness in the position
 - Organization skills
 - Willingness to accept direction and constructive criticism
 - Practice Confidentiality

EHS COURSE CATALOG

LATE ARRIVAL/EARLY RELEASE

Late Arrival (LA)/ Early Release (ER)

Credit: 0 / Prerequisite: on track to graduate. consent form; admin approval /

Grade: 11-12

- One term only
- Seniors may be allowed to do work release both terms if they do not take school service.

- Juniors and Seniors who will meet all credit requirements for graduation are eligible for early release 4th block or late arrival 1st block, once per semester.

Students must submit a consent form in order to be eligible. *For the first term, this form must be turned in by the first day of school. For the second term, this form must be turned in by the last regular school day of the first term. Early release/ late arrival must be approved by the Administrative Staff.*

**HIGH SCHOOL STUDENTS MAY NOT TAKE SCHOOL SERVICE AND
LATE ARRIVAL/EARLY RELEASE IN THE SAME TERM.
IF YOU ARE SCHEDULED FOR BOTH IN THE SAME TERM, SEE THE
COUNSELOR**