

Evergreen High School

Block Curriculum Course Descriptions

2017-2018

ADJUSTED CURRICULUM

Work and Life Skills I

Prerequisite: IEP Student

Credit 1.0

Grade 9

This course covers a variety of topics, which include organization, study skills, disability awareness, functional math, job skills, independent living, and outside resources. Work and Life Skills is offered to ninth grade students (and tenth grade students when appropriate) who are served by and individualized educational plan (IEP) so that their specially designed services and accommodations can be met. IEP goal assessments and transition will be at the forefront of the curriculum and activities.

Work and Life Skills II

Prerequisite: IEP Student

Credit 1.0

Grade 9-12

This course will provide instruction and research which relates to career and college explorations. The course will also provide practice for the state mandated, ACT test. This course will focus on providing the student with student driven learning and research based projects. Students will have high standard of expectations, while selecting, researching and teaching the class about their individual college and career interests. Students will have the opportunity to explore (through technology, or in person) life beyond high school. Students will also explore college and career placement examinations that are commonly used for the civilian and military world. Students will have a Capstone Project in place of their exam. This project will be their chance to present all of the information which they have learned about their particular college and/or career areas of interest.

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. Only those students with an IEP stating otherwise will be exempt.

Acceptance into these courses may be denied due to disciplinary and/or safety concerns.

Agriculture I: Agriculture, Food and Natural Resources

Prerequisite: None

Credit 1.0

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 10-12

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.

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.

Greenhouse and 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.

Environmental Science for Agriculture and Natural Resources

Credit 1.0

Prerequisite: Ag I or Instructor Approval

Grades 10-12

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

Agriculture III: Business Management for Ag and Environmental Systems

Credit 1.0

Prerequisite: 2 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.

ART DEPARTMENT

Art I

Prerequisite: None

Credit: 1.0

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, animation, photography, graphic design, ceramics, art history, mold-making/casting, and sculpture.

Ceramics 1

Prerequisite: C or higher in Art 1 or 3-D Art

Credit: 1.0

Grades 9-12

This course is designed to teach the student basic clay modeling and building techniques, and become familiar with the firing process. Students will learn the process of glazing and become familiar with multiple decorating ideas for a finished work of clay.

Graphic Design 1

Prerequisite: None

Credit: 1.0

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.

Photography 1

Prerequisite: None

Credit: 1.0

Grade: 10-12

This course is a basic introduction to digital and black and white photography. Students will learn how to properly use a digital and 35mm camera and develop a language of photography as an image making medium. This course will focus on basic darkroom procedures for developing and printing black and white film, and exploring new technologies utilizing the digital image on the computer. The following areas will be covered; light, the pin-hole camera, 35mm cameras (SLR, point and shoot, ABS), special effect techniques, and the history of photography. Students are required to purchase their own digital camera for this class. The cost of the camera will be \$75-\$100. Information will be sent home with each student regarding the camera requirements.

Senior Honors Art

Prerequisite: B or better in three art courses and teacher app

Credit: 1.0

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.

Senior Honors Studio Art 2 term course (1 full year)

Prerequisite: B or better in three art courses and teacher app

Credit: 2.0

Grade: 12

This course is for seniors who are going to college to major in an art field. 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.

BUSINESS DEPARTMENT

Accounting

Prerequisite: None

Credit: 1.0

Grades 11-12

(open to grade 10 with instructor approval)

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.

COMPUTER DEPARTMENT

Integrated Applications

Prerequisite: None

Credit: 1.0

Grades 9-12

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

ENGLISH DEPARTMENT

Language Arts 9

Prerequisite: None

Credit: 1.0

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

Prerequisite: Adv(5) or Accel(4) score on grade 7 ELA AIR test, B+ or better in LA 8, and LA 8 teacher approval

Credit 1.0

Grade 9

A freshmen 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 9 but includes an increased focus on literary analysis as well as student-directed discussions and assignments.

Language Arts 10

Prerequisite: Language Arts 9

Credit: 1.0

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 appr

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 ELA 10 /11 and most recent teacher app 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. The cost of this exam will be approximately \$85 and will be added to student's school fees.

Language Arts 12

Credit: 1.0

Prerequisite: Language Arts 11

Grade 12

Either this course or Honors Language Arts 12 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.

Honors Language Arts 12

Credit: 1.0

Prerequisite: B or better in LA 11/AP Language & most recent teach app Grade 12

This course is designed for the highly motivated student who likes to read and is confident about writing skills. More literature and writing are assigned than in LA 12. The majority of the literature is British from the Romantic and Victorian periods. College preparation is a major focus in this course. Summer reading is required for this course.

Speech

Credit 1.0

Prerequisite: None

Grades: 10-12

Speech is an elective course not to be substituted for one of the required Language Arts classes. In this class, active participation is a requirement as students are introduced to the process of communication and how it affects their lives. Students will learn how to deliver speeches and to make formal and timed presentations in the following categories: gripe, informative, persuasive, demonstrative, entertaining, and oral interpretation of literature.

Students are involved in several formal and informal presentations including some impromptu speaking as well as group discussion and one-to-one communication. Self evaluation as well as the evaluation of peers is another vital element of this speech class.

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

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 placed 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 Language Arts or B in 8th grade English

Grades 9-12

The beginning course involving speaking, understanding a range of familiar statements, questions and classroom commands. This means daily homework and memorization as well as frequent tests and quizzes. Students will also learn about the geography, history and customs of the land where this language is spoken.

Spanish II

Credit: 1.0

Prerequisite: C or better in Spanish I

Grades 10-12

This class involves a lot of grammar and class participation. This participation includes question and answer exchanges, oral themes and dialogs, as well as skits. Vocabulary is still a major concern as the student learns to express himself/herself with greater fluency. Students will be able to understand short passages made up of familiar vocabulary. Students will continue to learn about culture and customs of countries where the language is spoken.

Spanish III

Credit: 1.0

Prerequisite: C or better in Spanish II

Grades 11-12

This is an upper level foreign language class that expands grammar and vocabulary but primarily emphasizes utilizing Spanish through creative writing and conversations. Students will learn to understand short narratives which cover past and present events. There is faster flow to the class routine. More culture is introduced at this level. Practical use of the language is practiced through reading and responding to current literature in the language.

Spanish IV

Credit: 1.0

Prerequisite: B or better in Spanish III

Grade 11-12

This class is an immersion approach to the language, geared for fluency through a focus on idioms, conversation and creative writing. Students will show understanding of different types of material (films, plays, documentaries, interviews and short stories). Students will summarize and explain extracts orally and in writing. Culture is strongly emphasized.

MATH DEPARTMENT

Algebra 1

Grades 9-12

Prerequisite: None

Credit 1.0

Algebra 1 applications incorporates the 9th grade standards. Key concepts are solving equations, working with expressions, graphing linear functions and solving linear inequalities. Applications will solve systems of equations by graphing, substitution, and elimination, as well as simplifying radical expressions, factoring, and story problems with increasing difficulty. TI-30xiiS is the required calculator for this class.

Geometry

Credit: 1.0

Prerequisite: Algebra I

Grades: 9-12

This course is designed to incorporate the standards for Geometry and Measurement. Topics covered include: points, lines, planes, angles, lines, triangles, quadrilaterals, circles, area, and 3-dimensional solids. This course will cover all aspects of Geometry, including an introduction to logic and theorems. Logic is stressed through the use of definitions and terminology. TI-30xiiS is the required calculator.

Algebra II Concepts (A)

Credit: 1.0

Prerequisite: Algebra I & Geometry and Teacher Recommendation

Grades: 10-12

This course reviews Algebra I concepts, then expands on functions, sets, factoring and graphs. Introduction of quadratic functions, rational functions, and exponential functions. TI-30xiiS is the required calculator.

THIS COURSE IS NOT APPROVED BY NCAA AS A CORE COURSE. POTENTIAL DIVISION 1 OR II COLLEGE ATHLETES SHOULD NOT TAKE THIS COURSE.

Algebra II Concepts(B)

Credit: 1.0

Prerequisite: Algebra II Concepts(A) and Teacher Recommendation

Grades: 10-12

This course will expand on 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 1 OR II COLLEGE ATHLETES SHOULD NOT TAKE THIS COURSE.

Algebra II Applications

Credit: 1.0

Prerequisite: Algebra I & Geometry and 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

Credit 1.0

Prerequisite: Teacher Recommendation

Grades: 10-12

This is an advanced course for college bound students. This course emphasizes elementary functions and their graphs, polynomials, logarithmic and exponential functions, and conic sections. Permutations, combinations, along with arithmetic and geometric sequences will be explored, TI-30xiiS is the required calculator.

Trigonometry

Credit: 1.0

Prerequisite: Teacher Recommendation

Grades: 10-12

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: Teacher Recommendation

Grades: 11-12

This course is a beginning course in the study of statistics utilizing only rudimentary skills of arithmetic and algebra. Specific topics will include, but not limited to, measures of central tendency, measures of variability, elementary probability, data analysis, and graph reading.

TI-30xiiS is the required calculator.

Senior Math

Prerequisite: none

Credit: 1.0

Grades: 12

This course will focus on financial literacy, real world math skills and preparation for life beyond high school. The main focus of the course, financial literacy, will concentrate on real life scenarios and problem sets that teach the broad financial concepts including, but not limited to: knowledge on how to avoid debt, saving, budgeting, investing, managing credit, loans, and building a financially stable portfolio as an adult.

THIS COURSE HAS NOT BEEN APPROVED BY NCAA AS A CORE COURSE. POTENTIAL DIVISION 1 OR II COLLEGE ATHLETES SHOULD CHECK WITH THE GUIDANCE OFFICE BEFORE TAKING THIS COURSE.

Advanced Placement Calculus 2 term course (1 full year)

Prerequisite: Teacher Recommendation

Credit: 2.0

Grade: 11-12

A course in elementary calculus. This course emphasizes functions and their graphs, exponential and circular functions, limits, derivatives, integrals and their applications. A graphing calculator is required (see instructor for preferred model).

MUSIC DEPARTMENT

Chorale/Instrumental Music 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.

Credit: 2.0

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.

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.

Chorale 2 term course (1 full year)

Prerequisite: Audition and signature of the director is required

Credit: 2.0

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 2 term course (1 full year)

Credit: 2.0

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

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.

-Team sports: fitness testing, soccer, volleyball, basketball, softball/whiffle ball, ultimate frisbee, field hockey, and team handball

-Individual Sports: archery

-Fitness Activities: yoga, pilates, circuit training, and distance running

HEALTH

-Unit studies regarding: 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.

-Team Sports: volleyball

-Individual Sports: track & field, archery, disc golf, badminton, speed minton, pickleball, table tennis, and bowling.

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.

- Cardiovascular Endurance: Fartlek, interval, continuous, and circuit training
- Stamina: High-repetition body weight calisthenics
- Strength: Weight Lifting, circuit training
- Flexibility: Dynamic, Static and Ballistic Stretches
- Power: Snatches, Cleans, plyometrics
- Speed: Sprint drills, plyometrics
- Agility: Speed and Agility Ladder
- Balance: Yoga, Core exercises

SCIENCE DEPARTMENT

Physical Science

Credit: 1.0

Prerequisite: None

Grade: 9

Required for graduation

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

Required for graduation

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.

Chemistry

Credit: 1.0

Prerequisite: Biology, Alg I Concepts or Alg 1 App

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 11 & 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, Trig recommended

Grade 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

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 11-12

Sociology examines the group behavior of contemporary people. Stratas of people will be studied, as will intercultural items and society's institutions. Societal problems will 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.

Economics:

Credit: 1.0

Prerequisite: Am. Government

Grade: 11-12

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 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 and the voting booth. 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 economic systems such as socialism, capitalism and communism. Students will also get the chance to test their own skills by becoming entrepreneurs and experiment with creating their own product. After this course, students will be better informed and more responsible consumers, sellers, savers, workers, and employers.

World Cultures:

Credit: 1.0

Prerequisite: W. Hist & Am. Hist

Grade 11-12

This course focuses on the study of other cultures to help give students a global perspective of the world and to understand the global community in which they live. The goal of the course is to prepare students for the ever-growing interdependence of the world in which they will live and work and to help prepare them for their responsibilities as participating citizens of the global society in the 21st century. This course begins with students examining modern cultural regions of the world after 1945. Students will explore and analyze historical and contemporary issues, along with geography, economic structures, and political trends of cultural regions, while also developing an understanding of social aspects of various parts of the world.

SCHOOL SERVICE/STUDENT MENTOR

School Service/Student Mentor

Credit: .50

Prerequisite: **** see below**

Grade: 11-12

The school service/student mentor credit option is an opportunity for 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, office, or a teacher or tutor middle school or elementary students.

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

---A student must carry a minimum 2.5 G.P.A. (with no D's or F's) in the previous grading period.

---A student may not have violated any major misconduct code or have unexcused absences the previous term.

Students interested in school service or mentoring must fill out the required application. Students will be given one of their alternative electives, if they are not selected for school service/student mentor.

It is understood that:

---Student aides must carry a hall pass with them when outside of the teacher's classroom or office.

---Student aides may not leave the building to run errands for faculty and/or staff.

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

***HIGH SCHOOL ATHLETES MAY NOT TAKE SCHOOL SERVICE AND WORK RELEASE IN THE SAME TERM.
IF YOU ARE SCHEDULED FOR BOTH IN THE SAME TERM, SEE THE COUNSELOR***

WORK RELEASE

Work Release

Credit: 0

Prerequisite: None

Grade: 11-12

One term only*

Juniors and Seniors who will meet all credit requirements for graduation are eligible to leave for work after third block for one term of the school year. These students must turn a completed Extended Work Form in to the front office. 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.

*Seniors may be allowed to do work release both terms if they do not take school service.

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