

ENGLISH/LANGUAGE ART

English 1 - #E100

Grade: 9

Prerequisite: None

.50 Semester Credit

Inter-Relationships and Self-Reliance-the Power of Story is the main theme of Freshman English. Students explore this theme by reading a variety of short stories and the anchor texts: To Kill a Mockingbird, The Odyssey, Romeo and Juliet, and Getting Away with Murder: The True Story of the Emmet Till Case. The Essential questions are explored by a variety of writing assignments and class discussions.

English 2 - #E101

Grade: 10, 11

Prerequisite: English 1

.50 Semester Credit

The goal for English 2 is to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as you engage in more complex ideas, texts, and tasks. In English 2, you will be introduced to the various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth grade students will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments, and economies. Through the lens of Inter-Relationships and Self-Reliance, you will consider how to build relationships, how your relationships impact others and your responsibility to society. You will learn to evaluate for validity and quality, to balance and expand your perspectives promoting empathy, social action, and appropriate use of power. Critical Response and Stance offers you the lens to assess and modify your beliefs, views of the world, and how you have the power to impact them. An in-depth study of grammar and usage is also addressed. Together, we will discover that writing is more than long essays that make your hand hurt! You will learn how to become better writers, speakers, listeners, and thinkers!

AP Literature - #E103

Grades: 11, 12

Prerequisite: English 1 & 2, Teacher Approval

.50 Semester Credit

AP English Literature and Composition is a college level course offered in high school, which allows students to engage in the careful reading and critical analysis of imaginative literature. The successful completion of the course will allow the student the opportunity to earn college credit towards a degree program. The standard of reading, writing, and thinking which is encouraged in AP English Literature is beneficial to all students, regardless of anticipated degree major. The workload for the course is demanding, requiring much reading, including summer reading requirements. Upon completion the course, students will be required to take the AP exam offered in English Literature.

Creative Writing – #E104

Grades: 11, 12

Prerequisite: English 1, 2

.50 Semester Credit

This course is designed for students who demonstrate a strong aptitude and desire to express themselves creatively through the genres of poetry, short story, creative non-fiction and the one-act play. The course is run as a writing workshop and students are required to keep a personal journal and to write from their own experiences in a voice, style, and tone that is both honest and perceptive. Course includes reading and responding to professionally produced poetry, fiction and plays as well as student work.

Film Studies - #E106

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Film Studies focuses on film as an art form and artifact of contemporary society. Students will learn to become critical observers of the conventions of visual communication by studying film techniques (the "grammar" of film), and by learning and writing about different film themes and genres.

Semester one begins with an extensive unit exploring cinematic techniques and film terminology, and continues on with such films as *Duel*, *Lars and the Real Girl*, *The Truman Show*, *Moulin Rouge*, *The Bourne Identity* and *Juno*. Semester two moves on to movies which are paired thematically (such as *Edward Scissorhands* and *The Stepford*

Wives - the original) to explore depictions of conformity and compliance in contemporary society. Lastly, students will develop an approach to film which allows them to adapt, script and shoot a literary or documentary movie.

Advanced English - #E110

Grade: 12

Prerequisite: English 1, 2

.50 Semester Credit

Advanced English Composition is open to Juniors and Seniors who have successfully completed both English 1 and English 2. Advanced English is not a required course, but is recommended for students planning to attend a four-year college. Ideally students should have received at least a "B" in English 2.

The writing load is considerable, consisting of nine formal essays, averaging 1500 words each. The emphasis will be on the expository, analytical and argumentative writing that forms the basis of academic and professional communication, as well as the personal and reflective writing that fosters the development of writing facility in any context. Various organizational writing modes will be explored and employed, including narrative, descriptive, compare and contrast, example, analysis, cause and effect, and persuasive writing.

This course also engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects. The stylistic choices and effects made by imaginative writers of literature often exemplify the best of rhetorical and linguistic choices for student writers, which means that fiction clearly has a place in Advanced English, alongside journalism, biology, science, history, and other cross-curricular readings.

English Writing Composition - #E114

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

The focus of English Writing Composition is to teach students to become skilled readers and writers of prose written in a variety of rhetorical contexts and for a variety of purposes. Through assigned reading and writing coursework, students will learn about writer's purpose audience expectations, and how general writing conventions create meaning. The process based course will require students to write in both formal and informal contexts. Students will perfect their writing technique through modeling exercises, journal keeping, collaborative review, and timed responses. Students in the course will participate in basic research procedures. They will be expected to read primary and secondary source material, incorporate their findings into their work, and summarize, paraphrase, quote and cite according to Modern Language Association conventions.

English Classical Mythology - #E118

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Myths are humanity's earliest imaginative attempts to explain the universe, its creation, and its working. The study of the mythology of a particular culture reveals the way of life and thought of that culture. Since Western civilization traces its roots back to Greek culture, it would seem that knowledge of classical mythology is essential. Literature is filled with allusions to Greek gods and goddesses. Artists and sculptors throughout the ages have used mythological stories as subjects. The modern world, while seemingly far removed from Greek culture, has only to turn on the television or look at the comic page or watch the latest science fiction movie to see mythology come alive. From an advertisement for Atlas tires to Superman's heroic adventures—mythology lives.

This course is designed to make students aware of classical mythology, what it says about the culture which produced it, how it compares to other cultures and times, and how it has influenced succeeding generations even today.

English World Mythology - #E119

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

The secret of life, explains the sacred tavern-keeper Siduri in an ancient Sumerian epic, is that there is no secret. "When the gods created man they allotted to him death, but life they retained in their own keeping," she tells the king Gilgamesh. "Fill your belly with good things, dance and be merry, feast and rejoice. Let your clothes be fresh, bathe yourself in water, cherish the little child that holds your hand, and make your wife happy in your embrace; for this too is the lot man." This course will in some ways defy the strictures of Siduri in returning to the questions that rest at the centre of world mythology. Who are we? Where do we come from? Where are we going? What is the nature of the cosmos? What is the relationship between the individual, the family, the community and the transcendent? How are life and death intertwined?

We will discuss such questions in a philosophical context but the thrust of the course will be to use an historical and comparative framework that analyzes particular mythic traditions. Rather than attempt to encompass all of world mythology within a one-semester course, we will focus upon the myths of Northern Europe, the British Isles, Egypt, and Native America as case studies.

Documentaries: A Study of Real Life in Film - #E121

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

What is a documentary? How do documentaries influence and shape our opinions of the world we live in? This course will give students the opportunity to view, analyze, and discuss a variety of documentaries ranging in topics. We will look at how filmmakers use fact and narrative to communicate a desired message to his or her audience. Through close analysis and discussion of the films viewed in class students will be asked to consider the objectivity and validity of the issues and events portrayed in the films as well as the filmmakers' purpose in its creation. Students will also have the opportunity create a documentary on a topic of interest. Course work includes a research project and presentation.

21st Century Film - #E122

Grades: 11,12

Prerequisites: None

.50 Semester Credit

Like to watch movies? Then this semester course may be for you. It provides students, who have an interest in film and its role in our society, opportunities to assess and compare literature to film and to reflect on our values, our customs, and our connections. Students will view, analyze and discuss films and will examine genres of film. Students will learn about the origins of film, and how movies changed and evolved during the 20th century to become a major artistic, entertaining, and social form of expression. Students will watch a variety of films from different time periods to gain an historical understanding of film as an art form. Please note that some of these films have mature content, violence, and explicit language and some may be rated "R" and "PG-13." Coursework includes a research project and presentation.

Reading: Sci-Fi & Fantasy Literature - #E123

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

This course will explore contemporary and classic titles in science fiction and fantasy. Topics of inquiry can include post-apocalyptic, monsters, fantasy of the past (early sci-fi like Wells and Verne), coming-of-age, mythology/epic (Tolkien & Martin), "realistic" fantasy (Vonnegut), new worlds (sci-fi or fantasy that takes place in an entirely different world than ours), graphic novel fantasy, and humors fantasy (Hitchhiker's Guide to the Galaxy). Course essential questions include the following: How is fantasy a reflection of culture? What are the risks and rewards associated with challenging the status quo? How have prior authors influenced modern day writers? Why do people create fantasy stories in the first place? What challenges or benefits are there to writing or reading sci-fi and fantasy as opposed to another genre? Why do sci-fi/fantasy stories appeal to people? Units of study will involve the reading of fiction and non-fiction as well as comparative media experiences. Students will write fully processed analytical, expository, and creative pieces.

Reading: Mystery, Suspense, and Horror Literature - #E124

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

Designed for the future detective, the horror film buff, and the one who will go down the dark staircase first. The Simpson's "Treehouse of Horror" does not cover it all. Let us take a look at the dark and dreary. Why do we like to be afraid and why do we like to examine the fears that keep us up at night? Let's go down the dark road and if the flashlight does not work...so much the better! Course work includes a research project and presentation.

MS Resource English - #88889

Grades: 6, 7, 8

Prerequisite: None

.50 Semester Credit

This course emphasizes the fundamental language skills of reading, writing, speaking, listening, thinking, viewing, and presenting. The development of reading and writing skills is a major emphasis of the course.

MATHEMATICS

Algebra 1 - #M100

Grade: 9, 10, 11, 12

Prerequisite: Pre-Algebra

.50 Semester Credit

It is expected that students entering Algebra 1 are able to recognize and solve mathematical and real-world problems involving linear relationships and to make sense of these patterns. Algebra 1 builds on this increasingly generalized approach to the study of functions and representations by broadening the study of linear relationships to include; systems of equations with three unknowns, formalized function notation, and the development of bivariate data analysis topics such as linear regression and correlation. In addition, their knowledge of exponential and quadratic function families is extended and deepened with the inclusion of topics such as, rules of exponentiation. (including rational exponents), and use of standard and vertex forms for quadratic equations. Students will also develop their knowledge of power (including roots, cubics, and quartics) and polynomial patterns of change and the applications they model.

Geometry - #M101

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1

.50 Semester Credit

Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles, and simple three dimensional shapes. Geometry further develops analytic and spatial reasoning. Students apply what they know about two-dimensional figures and three-dimensional figures in real world contexts, build spatial visualization skills and deepen their understanding of shape and shape relationships. A study of right triangle trigonometry is developed through similarity relationships. The study of formal logic and proof helps students to understand.

Algebra 2 - #M102

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1, Geometry

.50 Semester Credit

The goal of Algebra 2 is to build upon the concepts taught in Algebra 1 and Geometry while adding new concepts to the students repertoire of mathematics. In Algebra 1, students studied the concept of functions in various forms such as linear, quadratic, polynomial, and exponential. In Algebra 2, students continue the study of exponential and logarithmic functions and further enlarge their catalog of function families. The topic of conic sections fuses algebra with geometry. Students will also extend their knowledge of sequences and iteration, as well as probability and statistics. It is also a goal of Algebra 2 to help students see the connections in the mathematics that they have already learned. Throughout Algebra 1 and 2, students will experience mathematics generally, and algebra in particular, not only as the study of mathematical patterns and relationships, but also as a language and a way of thinking. Moreover, students will develop an understanding that algebraic thinking is an accessible and powerful tool that can be used to model and solve real-world problems.

Pre-Calculus - #M105

Grades: 9, 10, 11, 12

Prerequisite: Algebra 2

.50 Semester Credit

Study of the topics, concepts, and procedures of Pre-Calculus is very strongly recommended for all college-bound students. These topics, concepts and procedures are prerequisites for many college programs in science, engineering, medicine, and business.

Pre-Calculus is the preparation for calculus. The study of the topics, concepts and procedures of Pre-Calculus deepens students' understanding of algebra and extends their ability to apply algebraic concepts and procedures at higher conceptual levels, as a tool, and in the study of other subjects. The theory and applications of trigonometry and functions are developed in depth. New mathematical tools, such as vectors, matrices, and polar coordinates, are introduced, with an eye toward modeling and solving real-world problems.

AP Calculus - #M106

Grade: 9, 10, 11, 12

Prerequisite: Pre-Calculus

.50 Semester Credit

AP Calculus is the high school equivalent of the first semester college-level calculus course. Students extend their prior knowledge of functions and their graphs by studying the concepts of the limit, the derivative, and the integral. Together, these ideas form the core of calculus, which is the study of change. Calculus is a powerful, useful, and versatile branch of mathematics. While the core ideas of calculus are not hard to understand, calculus is a demanding subject because it requires a broad and thorough background of algebra and functions. Students who successfully complete this course are required to take the AP Calculus test offered in early May.

Probability and Statistics - #M109

Grades: 11, 12

Prerequisite: Algebra 2

1.0 Credit Full Year

Students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. The main focus of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of centrality and spread, methods of data collection, methods of determining probability, binomial and normal distributions, hypothesis testing, and confidence intervals. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

MS Resource Math - #040042

Grades: 6, 7, 8

Prerequisite: None

.50 Semester Credit

Resource math includes a study of the concepts and skills associated with the understanding of numbers, the place-value system, the basic operations (addition, subtraction, multiplication, and division) and operations with decimals. We will learn to apply math into real world situations.

SCIENCE

Physics - #SC100

Grades: 9, 10, 11, 12

Prerequisite: Algebra 1

.50 Semester Credit

This course is aligned to the State of Michigan High School Content Expectations for physics. The course is designed to provide the student with the conceptual foundations of physics. Concepts are introduced and reinforced through investigations. Topics include: Forces and Motion, Energy and Systems, Electricity and Magnetism, Waves and Sound, and Light and Optics.

Chemistry - #SC102

Grades: 9, 10, 11, 12

Prerequisite: Geometry

Credit: .50 per semester

This course will give students an introduction to the fundamental concepts in Chemistry. Concepts will include: structure of an atom, the study of the periodic table, balancing equations, naming compounds, stoichiometry, classification of matter, unit conservations (factor label method), use of significant figures, and specific lab techniques and safety procedures. The completion of this course will give students a strong foundation in Chemistry and will help them to be successful in AP Chemistry if they choose to further their knowledge in Chemistry.

Robotics - #SC104

Grades: 10, 11, 12

Prerequisite: None

.50 Semester Credit

Using robots we will cover the fundamentals of problem solving, program design, algorithms and programming using a high-level language. A robot is an embedded system of software and hardware. Programming and building robots applies science, technology, engineering and math (STEM) concepts. This course introduces the fundamental concepts of programming and robotics.

Students who successfully complete this course will have learned:

Fundamental programming concepts, about the scientific method and inquiry, basic physics and physical science concepts, programming concepts related to robotics, fundamental engineering concepts related to robotics, about teamwork and collaboration, and about robotics competitions and the robotics industry.

Biology - #SC106

Grades: 9, 10, 11

Prerequisite: None

.5 Semester Credit

Nowhere has the increasing impact of technology on our lives been more apparent than in the field of Biology. The study of life processes. New discoveries in agriculture, medicine, and genetics are continually confronting us with challenging questions. Biology offers a good foundation in the biological principles and scientific processes that are necessary to deal effectively with these questions. Topics covered include: Basic Biochemistry, the study of proteins, carbohydrates, lipids and nucleic acids: The cell theory- Its structure and functioning: Cellular Transport- osmosis and diffusion : Photosynthesis and Respiration: DNA, RNA and protein synthesis: Chromosome mitosis and meiosis: Genetics: Evolution: Lab investigations provide a sound background in lab techniques and procedures.

Anatomy/Physiology - #SC107

Grade: 9, 10, 11

Prerequisite: Biology

.5 Semester Credit

This course is designed for a student who wishes to learn more about the structure and function of the human body's systems. Including: skeletal, muscular, nervous, digestive, respiratory, cardiovascular, excretory, and endocrine. Each unit is divided into three basic sections. Anatomy describes the various cells, tissues and organs of the system; physiology describes how the parts of the system function in relationship to each other and to other systems; pathology relates specific disorders to abnormal functioning of the system. Much of our lab time is devoted to the dissection of the cat. Other lab investigations include: observing the effects of enzymes and pH on the gastric, mineral, and water content. Eye and brain dissections are also performed.

Forensic Science - #SC110

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Forensic Science is the application of various parts of Biology, Chemistry, Physics, Entomology and Earth Science as it used within the Criminal Justice System. This course will look at a variety of topics, including how hair, fibers, fingerprints, DNA, weapons, handwriting and computers are all used in the investigation of crime and how these pieces of evidence may be used in the court system. This course will take students through from investigation of crime scenes, proper evidence collection and lab procedures. We will combine theory and laboratory situations to better our understanding of these processes and the science behind them.

Research Projects in Science/Advanced Topics in Chemistry - #SC113

Grade: 12

Prerequisite: AP Chemistry

1.0 Credit Full Year

This course emphasizes the fundamental principles and theories of chemistry. Topics include the theories of atomic structure; stoichiometry; properties of gases, liquids, solids, and solutions; periodicity of the properties of elements; chemical bonding; equilibrium; kinetics, thermodynamics; acid-base reactions; electrochemistry, coordination chemistry, and nuclear chemistry. Laboratories provide an introduction to basic techniques used in experimental chemistry. Experiments include manual and automated titrations, basic chromatography, stoichiometry, thermodynamics, and colorimetry. Individualized projects intended to provide a research-like experience.

Ecology & Conservancy - #SC114

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

Students will learn how we affect and manage our soils, forest, energy usage, wildlife, and water resources. Further study will include biomes, climate, atmosphere, weather and alternative energy sources. This class will be conducted using laboratory activities, readings, guest speakers, lecture, and small group work.

AP Chemistry - #SC116

Grade: 11, 12

Prerequisite: Biology, Chemistry, Algebra 2

.50 Semester Credit

From the College Board web site: "The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. For some students, this course enables them to undertake, in their first year, second-year work in the chemistry sequence at their institution or to register in courses in other fields, where general chemistry is a prerequisite. For other students, the AP chemistry course fulfills the laboratory science requirements and frees time for other courses."

Basic concepts of nomenclature and stoichiometry are reviewed to help provide background for lab experiments performed. In-depth studies include analytical chemistry techniques, solutions, equilibria, thermochemistry, kinetics, electrochemistry, materials science organic chemistry and biochemistry. The curriculum is based upon those topics and skills recommended by the College Board for the Advanced Placement Chemistry program. A key component of this course are more challenging labs and problems that are representative of those conducted in a typical college course. Upon completion of the course, students will be required to take the AP exam offered in Chemistry.

\Zoology - #SC117

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Zoology by definition is the study of animals. In this course, we will explore the various phylum of animals by focusing on the adaptations that make the various organisms in each group unique as well as their ecological importance. We will do this through various case studies, projects and dissections.

AP Environmental Science - #SC118

Grades: 10, 11, 12

Prerequisite: None

.50 Semester Credit

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology environmental studies, environmental science, chemistry, and geography.

IS Intro into Organic Chemistry - #SC119

Grades: 12

Prerequisite: Honors Chemistry, and must be enrolled in AP Chemistry

.50 Semester Credit

This course offers students the opportunity to learn the nature of carbon in organic compounds. It presents general principles of organic chemistry related to structure, stereochemistry, nomenclature, synthesis, uses, and reactions of alcohols, ethers and aliphatic hydrocarbons; Alkanes, alkynes, alkenes, Cycloalkanes.

Psychology - #005081

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

Introduction to Psychology is a college preparatory course; a survey of the field of psychology. We will discuss, analyze, and synthesize all major psychological theories including biological, cognitive, developmental, psychosocial, and abnormal psychology. We will study these theories through the lens of scientific research and the scientific method. We will look at this body of knowledge across time, exploring psychology's history and the pioneers that create it.

Honors Chemistry - #006011

Grade: 11, 12

Prerequisite: Algebra 1

Credit: .50 per semester

Almost everything we do – driving a car, cleaning, eating lunch – involves some kind of change in matter. Chemistry is the study of matter: Its composition, structure and the changes it undergoes. In chemistry, we study how matter is organized – atomic structure, electron arrangement, the periodic table of elements, chemical bonds; how matter is described-chemical compounds and formulas, and chemical reactions and equations; and solutions – acids and bases. Lab investigations include an examination of chemical bonds, calculating mass and mole relationships in chemical reactions, determining the water content of a hydrate, determine the oxygen content of a chlorate, demonstrating the gas laws, and finding the solubility of a solute, most labs are evaluated in terms of scientific measurement and problem-solving strategies, i.e. accuracy and precision.

Social Studies

AP Human Geography - #EL100

Grades: 10, 11, 12

Prerequisite: None

.50 Semester Credit

The course examines the effect of location on human activities. Students will survey the seven topics suggested by the College Board: Urban Land Use, Industrialization, Agriculture, Political Ordering of Space, Cultural Patterns and Processes, Population, and the Perspectives of Geography. Upon completion of the course students will be required to take the AP exam offered in Human Geography.

Comparative World Religion - #EL104

Grades: 10, 11, 12

Prerequisite: None

.50 Semester Credit

The world religions course is a comparative study of many of the world's wisdom traditions. The primary text of the course is "World Religions" by Huston Smith. Through the text and course the students are presented with the major concepts, ideas, and experiences of Hinduism, Buddhism, Confucianism, Taoism, Sikhism, Islam, Judaism, and Christianity. Class discussions are focused on looking for themes that connect the traditions as well as places where they differ. The sequencing of the religions is a study of the ideas most foreign to a western reader toward the religions more common in the western world. The final chapter of the book and course encourages students to reflect on what it means to be a global citizen and have knowledge of the religions of the world.

US History/Geography - #SS100

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Students will study the founding and development of the United State. The Civil War, Reconstruction, Westward Expansion, the Rise of Industry and Labor, Empire Building, The Progressive Movement, and World War I are studied in the first semester.

The second semester focuses on the United States as a world power and our nation's role in international affairs. This broad topic includes the 1920's, The Depression, New Deal, World War II, The Cold War, and contemporary domestic and foreign issues.

World History/Geography - #SS101

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

Students will study civilization and the rise of nations. The study will include the rise of Christianity, the Medieval Period, the Renaissance, the Reformation, the French Revolution, and Napoleon. 20th Century topics covered are World War I and II. It is a lecture style class with emphasis on note taking and the ability to process information

Civics - #SS103

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

This class will concentrate on an analysis of the topics and issue that are relevant to a study of contemporary American government and the National, State, and Local levels through the use of: text, lecture, outside readings, original compositions, library, and research assignments. The students in the class will be strongly encouraged to

become involved in their community's activities and affairs. Throughout the semester additional topics will be studied as necessary. Such topics include: elections, voting, and individual rights.

Contemporary Issues - #005001

Grades: 9, 10, 11

Prerequisite: None

.50 Semester Credit

This course can be taken as a one Semester or as a full-year class. This course will study current local, national, and world issues through a variety of sources including news publications and media telecasts. The primary purpose of the course is to help students become more aware of events that affect their lives now and in the future. Students must be prepared to participate in active discussion and be able to make in-depth analysis through research, written assignments, and other projects. The emphasis will be toward the realization of how these issues are personally relevant to their own lives.

BUSINESS

College Prep Consumer Math - #M103

Grades: 11, 12

Prerequisite: None

.50 Semester Credit

This semester class encourages future financial planning for post-secondary education and as a consumer through various projects including College Financial Aid Packages (Scholarships, Loans, Grants, Work Study), FAFSA, Searching and Applying for College Scholarships, Tax Preparation, Lease Agreements, Applying for Credit, Home Mortgages & Car Loans, Saving and Budgeting, Comparison Shopping.

Economics – SS102

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

This course serves as an introduction to economic principles that will encompass basic microeconomic and macroeconomic concepts and theories. Topics of study will include: principles, history, and organization of the economic systems and the American economy, and also the role and influence of the consumer, government, and business sector in the economy. Specific microeconomic topics of study will include: supply & demand analysis, business market structures, competition & monopolies, financing and production of goods, marketing & distribution, and the American labor force. Specific macroeconomic topics of study will include: money & banking, federal reserve system, and monetary policy, federal budget, national debt, taxation, unemployment, and inflation. All fundamental economic principles will be applied to current economic problems, policies and issues to gain a personal economic perspective.

Futures - #VOC100

Grade: 11, 12

Prerequisite: IIP

.50 Semester Credit

This semester class encourages future planning through in-depth searches of post secondary education and possible career areas. In this class students will use various college websites to compare colleges to narrow down their selection, write reports, practice filling out college applications & financial aid forms, listen to guest speakers from various colleges, career search using Internet resources, create a career profile evaluate one career in depth review labor statistics to study future employment trends, and update their educational development plans.

Marketing - #VOC101

Grades: 10, 11, 12

Prerequisite: I.I.P.

.50 Semester Credit

This course is designed to give the student an introduction to the business of sales and retailing through market concepts. Product and distribution decisions, advertising, pricing, public relations, and sales promotions are the basic marketing concepts that are included in this course. Applied learning through the Internet and student projects will be emphasized.

Yearbook - #VOC104

Grades: 11, 12

Prerequisite: English 1 & 2

.50 Semester Credit

This course presents the roles of mass media in a democratic society. Research and writing skills are developed in news writing, interviewing, feature writing, sports writing and editorial writing. Each student receives instruction in the use of a digital camera. Possible careers in media writing, public relations and advertising are investigated. The students put all their skills into practice by producing a yearbook.

ART

Progressive Art and Design - #FA110

Grades: 11, 12

Prerequisite: Fundamental Art & Design

.50 Semester Credit

This intensive-study art course will prepare the serious art student for the study of art at the collegiate level. The course requires self-discipline and motivation as the student is required to produce a substantial number of finished pieces. Throughout the course, students will continue to expand their digital portfolios.

Innovative Art - #FA111

Grades: 11, 12

Prerequisite: Fundamental and/or Progressive A & D

.50 Semester Credit

This advanced level course is for serious art students. The course will lead student-artists through art and design cycles to develop a personally meaningful body of work that is technically sophisticated. Students will maintain a visual arts journal, submit work to art shows, develop a final art exhibit, and revise and supplement the portfolio.

Fundamental Art and Design - #FA121

Grades: 9, 10

Prerequisite: None

.50 Semester Credit

This course offers an introduction to various 2 and 3 dimensional media including painting, mixed media, printmaking, sculpture, and ceramics. Students will be challenged by a number of authentic assessments and explore art related careers. Throughout the course, students will develop ongoing digital portfolios.

MUSIC

Honors Chorus - #FA100

Grades: 9, 10, 11, 12

Prerequisite: Audition

.50 Semester Credit

This semester long audition chorus studies sight singing and a wide variety of music in the choral literature repertoire. In addition their home concerts, they travel as ambassadors of Leland, to perform concerts and participate in festivals (typically 7 or 8 a year).

Music Theater - #FA102

Grades: 9, 10, 11, 12

Prerequisite: Desire to Sing

.50 Semester Credit

This semester long class studies acting, singing, and dancing through scene work and technique building. Students work is presented in a showcase at the end of each semester. Additionally students have written work including a critical analysis of a major musical.

Chorus – #FA120

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

Concert Choir is offered for MYP Year 4 & 5, but may be taken by any student grades 9-12. In addition to being a rigorous choral offering, students can explore the world through the arts. In addition to singing, students study sight reading, music theory, and genres as we perform in various concerts and complete quizzes throughout the year.

Instrument Exploration - #070111

Grades: 9, 10, 11, 12

Prerequisite: Desire to Create Music

.50 Semester Credit

This semester long class studies the basics of piano, guitar, study music theory, and compose their own music. The life-long skill of music is the emphasis as students learn to read music.

PHYSICAL EDUCATION/HEALTH

Physical Education and Health Education - #PH100

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

This required class focuses on understanding the concepts and building the skills necessary to be a healthy, productive citizen across the lifespan. Standards include applying core concepts, accessing valid information, practicing health enhancing behaviors, analyzing influences on health, goal setting, decision making, demonstrating effective social skills which will enhance health, and advocating for enhanced personal family, and community health. Critical health content areas covered include nutrition and physical activity; alcohol, tobacco, and other drugs; safety; social and emotional health; personal health and wellness; HIV prevention; sexuality education.

Physical Education - #PH101

Grades: 9, 10, 11, 12

Prerequisite: None

.50 Semester Credit

This required class is a focus on learning the skills, personal social attributes, and concepts necessary to be active across the lifespan. Class activities consist of a combination of team and lifetime activities, including health related fitness, net/wall games, target games, invasion games, striking/fielding games, outdoor pursuits, and rhythmic activities.

WORLD LANGUAGES

Spanish 1 - #L100

Grades: 8, 9, 10, 11, 12

Prerequisites: None

.50 Semester Credit

Using storytelling methods and authentic materials in foreign language instruction, this course emphasizes verbal proficiency by presenting culture, grammar, and vocabulary as interrelated components to the learning process. Students will read two novellas in Spanish. Evaluation will be based on oral and written work with an emphasis on class participation. Twenty minutes per day of home study is recommended.

Spanish 2 - #L101

Grades: 9, 10, 11, 12

Prerequisites: Spanish 1

.50 Semester Credit

Using storytelling methods and authentic materials in foreign language instruction, this course builds on the proficiency gained in Spanish 1, expands vocabulary, and adds to the knowledge of verb form and tense. Students will read two novellas in Spanish and begin to work on developing their written composition skills. Evaluation will be based on oral and written work with an emphasis on class participation. Twenty minutes per day of home study is recommended.

Spanish 3 - #L103

Grades: 11, 12

Prerequisites: Spanish 2

.50 Semester Credit

Spanish III is a continuation of the high school Spanish II course, including the development of all aspects of language acquisition – listening, speaking, reading, and writing. There is a specific emphasis on strengthening grammatical structures and verb tenses through writing and conversation for meaningful interactions. Students will deepen their verbal skills through formal and informal presentations. Students will continuously record their own spontaneous speech and closely analyze the development of vocabulary, grammar usage and tone or purpose of communication. Peer evaluation and instructor formative feedback is critical to this growth process. While present and past tenses in the indicative mood are reviewed at the beginning of the course, the main and newest concept in Spanish 3 is differentiating and mastering the use of the subjunctive mood. Spanish 3 moves beyond basic topics and seeks to explore universal concepts, key historical events, and current international issues from multiple perspectives. Skills are developed through more advanced reading selections, continuous writing prompts, and daily speaking and listening activities. Instructional materials include [Spanish Verb Tenses](#) by Dorothy Deveny Richmond, and [El Zorro](#) a Spanish novel by Johnston McCulley. Numerous online resources are used additionally.

Independent Study Spanish: Spanish Immersion - #L111

Grades: 12

Prerequisites: Spanish 3

.50 Semester Credit

The purpose of this course is to support further studies of the Spanish language and culture beyond what Leland Public Schools offers.

At the initial start of the course, the student and instructor meet to establish clear objectives and specific learning goals. The student's goal in this course is to develop comprehension skills through more advanced vocabulary, while practicing reading and writing with a focus on both informal and formal language, cultural phrases, and variety between dialects. The student will achieve this goal by utilizing various forms of Spanish media, such as news articles, podcasts, movies, and music to further comprehension, vocabulary, and cultural understanding. The student will be evaluated on his/her progress through ongoing conversations with the instructor, evaluation of writing samples and logs of activities completed during the course.

OTHER

Independent Directed Study – With Credit - #EL102 – Without Credit - #EL103

Grades: 11, 12

No. Semesters: 1 or 2

Credit: .25 Credit per semester first year, second year no credit

Prerequisites: This is a credit/non-credit, pass/fail elective for a student wishing to assist an individual teacher in a specific subject area such as elementary Spanish or elementary Mathematics. Duties may include typing worksheets, filing papers, researching specific topics, tutoring students, reading groups, small group support and individual interventions.

Critical Knowing – #E115

Grades: 11, 12

Prerequisite: None

1.0 Credit Full Year

Critical Knowing is designed to develop a coherent approach to learning that transcends and unifies the academic areas and encourages appreciation of other cultural perspectives. The course encourages critical thinking about knowledge itself, to try to help young people make sense of what they encounter. Its core content is questions such as: What counts as knowledge? How does it grow? What are its limits? Who owns knowledge? What is the value of knowledge? What are the implications of having, or not having, knowledge?

The course encourages students to share ideas with others and to listen to, and learn from what others think. In this process student thinking and understanding of knowledge as a human construct are shaped, enriched, and deepened.

SEL- Pilot Program - #MS7070

Grades: 6, 7, 8, 9

Prerequisite: None

N/C Semester Credit

Social Emotional Learning (SEL) is class devoted to helping seventh-grade students learn to deal with the challenges and changes that come with being in middle school. Using a program called Second-Step, students engage in class discussion, take part in various activities, and watch a variety of videos. The Second-Step curriculum covers topics like mindset and goals, values and friendships; thoughts, emotions, and decisions; and dealing with serious peer conflicts. Each of the topics incorporates learning to have a growth mindset, be resilient, and set goals for themselves.

Personal Projects - #VOC126

Grades: 10

Prerequisites:

.50 Semester Credit

As International Baccalaureate World School students, students are required to complete a personal project during their sophomore year. In this course, students will investigate, plan, design, create, and present an independent project that is both highly-challenging and reflective of a personal passion. Because the personal project is seen as the culminating event for students within the middle years program, successful completion of the personal project is a graduation requirement. While students will receive frequent, detailed feedback using the criteria set by the IB, this class will be recorded as a pass/fail course.

There are many supports in place to help students succeed in this endeavor. Using a student guide to the personal project, students will work methodically through the four stages of the personal project: investigating, planning, taking action, and reflection. They will then present their products/outcomes at a showcase of IB student learning titled "The Leland Experience" in May, 2020 and will also prepare a written report of their year-long process. Each written report is submitted to the International Baccalaureate Organization for external moderation, meaning that student projects are assessed by IB professionals from outside Leland Public School. Upon successful completion of the project, students are awarded certificates of completion by the IB.

HOPS – Pilot Program - #0203

Grades: 7, 8

Prerequisite: None

N/C Semester Credit

HOPS, homework, organization, and planning skills, is a class that teaches skills that are necessary for academic success. We work on three specific areas: school materials organization, homework management, and time management and planning. Students are taught a specific system for organizing their binder, backpack, and locker. They are also taught how to accurately and consistently record their assignments, tests and quizzes, and projects in their planners. Lastly, they are taught to break up projects and studying for tests into small, manageable parts to ensure success. The goal of the class is to prepare students for high school by giving them the skills they need to be successful.

Community Project - #040172

Grades: 8

No Prerequisite

N/C Semester Credit

Community Project is an International Baccalaureate (IB) class that focuses on "community" and "service". Throughout the class, students engage in community service projects. They investigate needs throughout various communities, create action plans, take action, and then spend time reflecting on the process. The class gives students the opportunity to develop an awareness of needs in various communities and address those needs through service learning.

MS Read/Math Intervention - #88888.1

Grades: 6, 7, 8

No Prerequisite

.50 Semester Credit

Math Intervention: Students will receive support that will help to improve foundational skills, develop a deeper understanding of mathematical laws and process, and advance students toward grade level mastery of concepts and beyond.

Reading Intervention: To help students develop proficient reading skills that will contribute to their academic growth. To work extensively with students to help them improve specific reading skills such as letter-naming, initial sounds, phoneme segmentation, and comprehension strategies.

8th Grade Enrichment - #MS21-8

Grades: 8

No Prerequisite

N/C Semester Credit

During 8th grade enrichment, students will navigate various essential learning opportunities including social-emotional learning, time management, organization skills, financial literacy, keyboarding, and public speaking.

Communities and Collaboration - #040142-3

Grades 6,7

No Prerequisite

N/C Semester Credit

In this course, students develop organizational skills and productive study habits, engage in a social emotional wellness curriculum, and engage in teamwork designed to foster critical thinking skills and collaborative skills.

Independent Study (Content Specific Assistant) - With Credit - #070101 – Without Credit - #070041

Grades: 11, 12

No. Semesters: 1 or 2

Credit: .5 credit per semester

Students assist teachers with clerical, instructional and organizational tasks. Student assistants must be highly responsible and dependable. This is a one or two semester course in which a student may support the development of enhancing course curriculum, pursue in-depth projects and inquiry learning with the assistance of the teacher in classroom and/or lab settings, assist with classroom preparation and breakdown of activities, and work with students in the course. The intent of this course is to provide a means for students to deepen and expand both content knowledge in the enhanced experiences in application of 21st-century skills. The student may accumulate a maximum of one credit as a lab assistant over the course of their high school career. The content standards will be designated by the student and their teacher.

Advisory – With credit - #98533Q. – Without Credit – 98532Q

Grades: 7, 8, 9, 10, 11, 12

No Prerequisite

.25 Semester Credit

To meet the diversified learning needs of Leland Public School's student body, advisory provides necessary opportunities for enhancement, feedback, application and follow-up beyond the initial class experience. Offering all these learning experiences in one time slot helps to increase opportunities for learning and activities that promote class/group unity and school spirit. A pass/fail grade will be issued quarterly for advisory. Criteria for a passing grade will be published by the advisory teacher at the start of each semester.

American Schools - #Various

Grades: 7, 8, 9, 10, 11, 12

Prerequisite: Administrative/Parental Approval

.50 Semester Credit

Students are allowed to take an array of correspondence courses out of the American School Catalog.

www.americanschoolofcorr.com/generalhighschool/

Michigan Virtual High School - #Various

Grades: 7, 8, 9, 10, 11, 12

Prerequisite: Administrative/Parental Approval

.50 Semester Credit

Students are allowed to take an array of online courses out of the Michigan Virtual High School catalog.

www.michiganvirtual.org/courses/students/

Edgenuity - #Various

Grades: 6, 7, 8, 9, 10, 11, 12

Prerequisite: Administrative/Parental Approval

.50 Semester Credit

Students are allowed to take an array of online courses out of the Edgenuity catalog.

<https://www.edgenuity.com/wp-content/uploads/2017/07/Course-Description-Catalog.pdf>

Independent Study (Content Specific) - #Various

Grades: 11, 12

No. Semesters: 1 or 2

Credit: .5 credit per semester

Independent study programs are designed to offer students an opportunity to further their knowledge in a topic that is not offered within the school's curriculum. Students elect to engage in an independent study; administrators do not mandate it as a decision of last resort. Students are required to fill out and Independent Study Proposal Form that is signed by the student/parent and counselor. Students who choose an independent study must be self-motivated and able to meet all stated outcomes with minimal supervision. Generally, the student proposes a topic and outlines the way in which he/she will acquire and demonstrate the knowledge. A highly qualified credentialed staff member is assigned to act as an advisor for the course.

See Programme of Inquiry for Elementary courses under Student Links on our website: lelandschool.com