



Outreach Partnership for Technology

2019 -2020

Program of Studies

Grades 7-12

Computer Applications (5653)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Students will gain the introductory computer skills they need to create documents, spreadsheets, presentations, and databases using Word, Excel, PowerPoint, and Access. The student is not required to buy the programs--they are free for Seneca Valley students--but if working at home your computer must be running Microsoft Windows and you must be able to install applications on that computer. The student should be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

PREREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install applications on that computer.

Introduction to Business A (5657)

CREDIT: 0.1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

In this introductory course, students learn about the roles of business and marketing in the free enterprise system and the global economy. Basic concepts of economic systems, costs and profit, business types, money management, taxes, business planning, and marketing and promotion are introduced.

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install applications on that computer.

Introduction to Business B (5658)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

In the conclusion of this two-part course, students build on the knowledge gained in part A as they learn about the roles of business and marketing in the free enterprise system and global economy. The real-world impact of technology, effective communication, and interpersonal skills in the workplace are also explored through hands-on software projects in the second half.

PREREQUISITE(S): Introduction to Business A

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install applications on that computer.

Introduction to Entrepreneurship I (5659)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

What does it really take to own a business? You will discover what is needed to operate a personal business and being your own boss. Students will learn about the role of the entrepreneur, entrepreneurship as a career, production and delivery, small business basics, marketing basics and company promotion.

Introduction to Entrepreneurship 2 (5660)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

In this continuation from course 1, students will master skills in expanded business ideas, how to attract investors, ways in which culture, globalization, and technology affect the success of a venture, and learn positive workplace skills. Units of study include sales, pricing, personal finance, credit, funding and risk, and the basics of accounting.

PREREQUISITE(S): [Introduction to Entrepreneurship 1](#)

Cooperative Employment Theory (5650)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: Full Year

The Cooperative Employment Theory course is a cyber course taken in conjunction with Cooperative Employment (5651). Topics such as career exploration, the job search process, succeeding in the workplace, and developing professional skills will be included first semester. The 2nd semester will cover economics so each student will be able to meet the school's requirement of an Economics credit. You must be enrolled in the Cooperative Employment course (5651) and be employed a minimum of 15 hours a week (see course 5651 for additional requirements).

COREQUISITE(S): [Enrollment in Cooperative Employment \(5651\) and employed a minimum of 15 hours per week.](#)

ENGLISH

English 7 (5101)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: Full Year

The nucleus of this course is literary analysis and writing. Students will explore various types of literature including short stories, a drama, and poetry while developing their ability to write and speak effectively. Students will develop critical thinking and reading skills by working collaboratively with peers and the teacher to answer higher-level questions. Grammar, vocabulary, and mechanics skills are taught through the analysis of literature and the expansion of the writing process.

Advanced English 7 (5105)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: Full Year

The nucleus of this course is literary analysis and writing. Students will explore various types of challenging literature including the novel, the short story, and poetry while developing their ability to write and speak effectively. Students will develop critical thinking and reading skills by working collaboratively and independently to create and answer higher-level questions. Vocabulary acquisition is covered through independent, challenging unit assignments and assessments; students will be expected to use newly acquired words in writing. Grammar and mechanics skills are taught through the analysis of literature and the expansion of the writing process. Students should understand that the advanced section of this course is taught at a faster pace using more rigorous pieces of literature.

English 8 (5110)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: Full Year

The nucleus of this course is literature, research and writing. Students will explore various types of literature including the novel, the short story, poetry, and drama while developing their ability to write and speak effectively. Grammar, vocabulary, and usage skills are taught through the analysis of literature and the expansion of the writing process.

Advanced English 8 (5115)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: Full Year

The nucleus of this course is literature and writing. Students will explore various types of literature including the novel, the short story, poetry, and drama while developing their ability to write and speak effectively. While reading multiple examples of informational texts, students will demonstrate comprehension through written analysis of the source. Students will apply the stylistic methods from these informational text models in their own writing. Grammar, vocabulary, and usage skills are taught through the analysis of literature and the expansion of the writing process.

English 9 (5120)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

English 9 interweaves writing, and reading, so that students can relate continuously to what they have already learned while broadening their understanding of literature and the writing process. Students will become adept at recognizing the different genres of literature and applying various literary techniques. Students will begin to use writing as an analytical tool. Students will become proficient with standard grammar and usage and will be able to compose without mechanical errors. The research process will be reviewed and strengthened.

Honors English 9 (5125)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Honors English 9 offers an in-depth analysis of literature, a comprehensive review of grammar and usage, and a rigorous application of the writing process. The material is intended to provide students an introduction to college-level scholarship. Students will become adept at recognizing the different genres of literature and applying various literary techniques. They will begin to use writing as an analytical tool. Students will become proficient with standard grammar and will be able to compose without mechanical errors. The research process will be reviewed and strengthened.

English 10 (5130)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Year

This course is designed to reinforce students' appreciation of numerous literary genres. Speaking, discussion, and listening skills will be enhanced while exploring various literary selections, along with poetry. Emphasis also will be placed on the application of standard grammar, mechanics, and vocabulary development. The research process will be reviewed and strengthened. Vocabulary skills will continue to be reinforced.

Honors English 10 (5135)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Year

The objective of Honors English 10 is to refine reading comprehension skills, writing skills, and analytical skills encouraging students to reach a proficiency in all areas, moving at a faster pace and at a more in-depth level than English 10. Students will be exploring the particulars of the writing process, delving into insightful concepts in literature, and reviewing grammatical and mechanical protocol. In addition, students will compile a research paper within the scope of the Seneca Valley School District curriculum, showcasing the ability to identify, comprehend, apply, analyze, and evaluate research in order to produce an argumentative position paper. Students will develop critical thinking, reading, writing, and vocabulary skills through a variety of assignments.

American Literature (5140)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: Full Year

This year-long American Literature course uses various themes to discuss and analyze works by famous American authors and poets. The course offers an analysis of American literature, a comprehensive review of grammar and usage, a study of different genres of literature and applying various literary techniques. Skills taught also include a rigorous application of the writing process in connection with a complete grade level research paper requirement as part of this course. Students will become adept at recognizing the different genres and themes of literature and applying various literary techniques. Students will also be able to trace the historical events, trends, and tendencies that influence traditional American literature language usage. Students will incorporate elements of American literature in the writing process using themes and issues in American fiction and non-fiction. Students will begin to use writing as an analytical tool and will become proficient with standard grammar and composition via research and writing assignments.

Honors American Literature (5145)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: Full Year

Through the study of major writing movements in twentieth century America, students will read a variety of literary genres including poetry, drama, essay, factual prose, short stories, and novels. Students will do a variety of writing and analytical activities related to course content, including journal writings and projects. Students will continue to incorporate elements of American literature in the writing process using fiction and non-fiction major works, vocabulary study and various other classroom activities. Students will incorporate elements of American literature in the writing process using themes and issues in American fiction and non-fiction. The materials used and skills addressed are intended to provide the student with an introduction to college-level scholarship. Juniors taking this course will be required to do a summer reading project that will be assigned at the end of the sophomore year. Students will also complete a grade level research paper requirement as part of this course.

Advanced Placement Language and Composition (5146)

OTHER COURSE NUMBER(S): 6146

CREDIT: 1

HOURS PER WEEK: 3.5

GRADE(S): 11 - 12

LENGTH: Full Year

This course is a college-level course that focuses on the semantic, structural, and rhetorical aspects of language. Included in this course are various types of narrative and essay forms and other examples of expository writing, as well as the analysis of structure, diction, and sentence patterns in literary works. Students have the option of taking the A.P. English examination that could result in attaining college credit.

Students will begin work in the summer to complete the course work. An approved professional must proctor specific assignments on campus or off-site. The proctor agreement must be completed throughout the course.

COREQUISITE(S): Start date of early August and proctored exams required.

Modern Humanities (5150)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: Full Year

In this course, students will be given the opportunity to critically examine what it means to be human through evaluating selected works of writing, art and both classic and contemporary literature. Students will be asked to analyze works by engaging in an inquiry process; much of the course will center on essential questions about meaning, purpose, nature and values. Students will improve reading and writing skills through examination of short but complex texts including essays and speeches. Students will be required to read, write, and think critically, as well as participate in whole class discussions using online communications. Additionally, students will complete all phases of their Graduation Project.

Honors British Literature (5155)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: Full Year

This Senior English course provides an overview of the language arts, including literature, writing, research, grammar, speaking, and vocabulary, utilizing the literature of Great Britain. By chronologically examining historical backgrounds of literary movements, the course focuses on the great masterpieces. Selections include, but are not limited to, Beowulf, a Shakespearean play, The Canterbury Tales, legends about King Arthur and William Wallace, Paradise Lost, Gulliver's Travels, The Importance of Being Earnest and Portrait of the Artist as a Young Man. The honors student will be expected to read and analyze all forms of literature – prose, poetry and drama – and demonstrate their comprehension and analysis through a variety of reading and writing activities. Students will complete summer work in the form of research and writing, and will also complete the Graduation Project requirement as part of this course.

Advanced Placement Literature and Composition (5156)

CREDIT: 1

HOURS PER WEEK: 3.5

GRADE(S): 12

LENGTH: Full Year

AP Literature is a college level course which engages students in the careful reading and critical analysis of imaginative literature. Through close reading of selected literary works of recognized merit, students will deepen their understanding and enhance their pleasure of literature. Writing assignments will focus on critical analysis of literature and may include expository, analytical and argumentative essays. These essays will be produced using advanced vocabulary, syntax and organization as well as insight into the author, genre and historical period which produced the work. Students will have the option, at their own expense, of taking the Advanced Placement Literature Exam which may result in the attainment of 3-6 college credits. The student will also complete all aspects of the graduation project. Upon the completion of the course and project, the student will be prepared for the type of analytical and evaluative reading and writing required of college freshmen.

COREQUISITE(S): Start date of early August and proctored assignments required.

Speech (5172)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This is a one-semester course that covers communications in the first half of the course and speech in the second half. The course begins with an introduction that focuses on understanding the elements, principles, and characteristics of human communication and then goes on to explore the topics of self-awareness and perception in communication. Verbal and nonverbal messages are thoroughly examined as well as learning about cultural and gender differences in the areas of listening and responding. The communications part of the course concludes with units on interpersonal, group, and organizational communication. The speech section of the course starts with an introduction to public speaking and then goes on to take the student step-by-step through speech writing covering topics such as choosing a topic, purpose and thesis; research and supporting materials; and methods for writing and delivering a speech. The course concludes with units on informative and persuasive speeches and students are given the opportunity to critique and analyze speeches in the course. The course is designed for high school students and contains both formative and summative assessments.

Foundations of Creative Writing (5173)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Foundations of Creative Writing offers students an authentic application of the writing process to their original forms of expression. The material is intended to provide students with a creative outlet enabling them to cultivate self-expression through writing. This class is intended for students who are serious about writing. Students will create writing that is full of meaning and imagery yet is clear, concise, and vivid. The writing will adhere to all conventions of the English language and will exhibit a variety of sentence structures and word choice. The writing of short stories, a one-act play or screenplay, and poetry will be emphasized.

Online Learning and Digital Citizenship (5180)

CREDIT: 0.5

HOURS PER WEEK: 2.5 hrs

GRADE(S): 7 - 12

LENGTH: One Semester

Students develop essential study skills for academic success, such as staying organized, managing time, taking notes, applying reading strategies, writing strong papers, and researching and properly citing information. Explicit modeling and ample practice are provided for each study skill to support student mastery. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and becoming a digital leader. A basic understanding of software and hardware and how to troubleshoot common technology issues are also taught. By the end of the course, students will have the tools they need to be academically successful in both traditional and digital learning environments.

FAMILY AND CONSUMER SCIENCES

Intro to Family and Consumer Sciences (5610)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: One Semester

This class will give students opportunities for self-exploration. Students will explore personal finances, healthy relationships, food and nutrition. Students will be presented with lifetime skills that include the following: kitchen and food safety, sanitation, shopping techniques, and consumer rights and responsibilities.

Strategies for Academic Success (5182)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Strategies for Academic Success is a one semester comprehensive study skills and strategies course designed for high school students. The course covers important study skills topics such as time management, note taking, test preparation, types of motivation, and strategies for remembering key information. Within the course, students receive real-world activities to further enhance reading techniques and learning in general.

Consumer Decisions (5638)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This is designed as a one-semester course for high school student. Lessons present students with essential information regarding desired consumer skills for personal success. The primary skills examined include, ascertaining an understanding of the economic aspects of personal financial stability and success along with accompanying consumer responsibilities, aspects of healthcare, housing and its financial facets, and transportation cost and decisions.

Leadership and Career Development (5640)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 11

LENGTH: One Semester

This course is for students who wish to learn how to choose a college or career, complete a college/job application, apply for scholarships, prepare for a career by building your resume and cover letter, and develop interviewing skills.

PERFORMING ARTS: MEDIA & VISUAL ARTS

General Art 7 (5715)

CREDIT: 0.5

HOURS PER WEEK: 5

GRADE(S): 7

LENGTH: One Semester

Seventh Grade General Art provides an introduction to a wide range of art concepts and principles. The Elements of Art (line, value, color, texture, shape, form and space) are emphasized throughout the course, as well as art history and appreciation.

Introduction to Art (5718)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Introduction to Art is a one semester course that covers both art appreciation and the beginning of art history. The first section of the course covers defining art, cultural purpose of art, visual elements of arts, terminology and principles of design, two-dimensional media and techniques including photography, film, and digital video. Three-dimensional media such as craft, sculpture, and architecture are also covered. The course is designed to help students appreciate art in their everyday lives. Students explore the various points of view by which people interpret works of art and learn to describe the formal elements (line, color, and shape) of a piece of art. The art history portion of the course covers art from the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Digital Arts 1 (5778)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This digital arts course focuses on building a solid foundation of the basic elements of visual art. The course teaches core skills using the Inkscape program. Students will begin to explore a variety of electronic media and techniques. Students will also learn 3D space in a 2D environment, including filters, gradients and highlights, and methods of working with color. Throughout this course, students will create visual art using the creative process with the teacher as a mentor, with the goal of moving toward more independent work.

PREREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

Digital Arts 2 (5779)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Students will continue to use Inkscape as they learn about the principles and elements of art and design, including contrast, proportion and balance, and unity. By the end of this course, each student will have created a unique portfolio of digital artwork, including repeating images to be used as a computer's desktop background, a logo with text, two images scaled proportionally to one another, and a poster image and layout. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

PREREQUISITE(S): Digital Arts 1. Also, students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

Audio Engineering (5950)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Through a series of hands-on Audacity® projects, this introductory audio engineering course teaches students the four main steps of professional recording: recording, editing, mixing, and mastering. Students will learn about Audacity's workspace and tools, tones and waveforms, recording formats, MIDI and DAW, syncing audio, and many other topics. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

PREREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

MATHEMATICS

Pre-Algebra (5303)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: Full Year

The Pre-Algebra course focuses on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

Algebra 1 (5305)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: Full Year

This course is the study of basic algebraic structure of the real number system. The major topics studied are: variables, expressions, properties, exponents, equations, inequalities, polynomials and graphing. Emphasis will be placed on both the understanding of concepts and the acquisition of skills. This course is designed as a foundation for the study of advanced mathematics and science and an application of concepts and skills. Solving real-life problems is also addressed.

Algebra 1 (5312)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 10

LENGTH: Full Year

This course is the study of basic algebraic structure of the real number system. The major topics studied are: variables, expressions, properties, exponents, equations, inequalities, polynomials and graphing. Emphasis will be placed on both the understanding of concepts and the acquisition of skills. This course is designed as a foundation for the study of advanced mathematics and science and an application of concepts and skills. Solving real-life problems is also addressed.

Algebra 1 Part A (5310)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 10

LENGTH: Full year

This course is the study of basic algebraic structure of the real number system. The major topics studied are; variables, expressions, properties, exponents, equations, and graphing. Emphasis will be placed on both the understanding of concepts and acquisition of skills on the common core 8 standards and an intro to Algebra Keystone standards. This course is designed as a foundation for the study of advanced mathematics and science as well as application of skills and concepts. NCAA Note: This course is worth 0.5 NCAA credits.

Algebra 1 (5312)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 10

LENGTH: Full Year

Algebra 1 is a foundation course which focuses on the real number system, variables, expressions, properties, exponents, equations, inequalities, polynomials and graphing. Emphasis will be placed on both the understanding of concepts and the acquisition of skills.

Algebra 1 Part B (5320)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 9 - 10

LENGTH: Full year

This course is a continuation of Algebra 1 Part A. The major topics studied are: variables, expressions, properties, exponents, equations, inequalities, polynomials, graphing, absolute value, and probability. Solving real-life problems is also addressed. Emphasis will be placed on both the understanding of concepts and the acquisition of skills. This course continues forming the foundation needed for the study of advanced mathematics and science. At the conclusion of this course, the Algebra 1 Keystone Exam will be administered and passing this exam is a state graduation requirement. NCAA Note: This course is worth 0.5 NCAA credits.

Principles of Geometry (5322)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Principles of Geometry is a challenging course which includes an analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts, as well as real-world problem situations. Significant emphasis is placed on algebra which is integrated throughout all units. The course is designed to focus on the key topics of geometry including inductive reasoning, deductive reasoning and proofs, perpendicular and parallel lines, triangles, quadrilaterals, similarity, congruency, right triangles, circles, surface area, and volume.

Geometry (5324)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 11

LENGTH: Full Year

Geometry is an academically challenging course which includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts, as well as real-world problem situations. Significant emphasis is placed on algebra which is integrated throughout all units. The course is designed to focus on the key topics of geometry including inductive reasoning, deductive reasoning and proofs, perpendicular and parallel lines, triangles, quadrilaterals, similarity, congruency, right triangles, circles, surface area, and volume.

Honors Geometry (5325)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8,9,10,11

LENGTH: Full Year

Honors Geometry is a fast-paced, demanding academic course specifically designed for highly motivated students who enjoy a challenge. This course develops the structure of geometry, logical thinking, precise language, geometric notation, and proofs. Emphasis is on plane geometry with an introduction to spatial and coordinate geometry. The development of these concepts employs both inductive and deductive reasoning, while incorporating required algebra skills. The goals of this course are to develop student proficiency with geometric skills and to expand geometric concepts.

Principles of Algebra 2 (5328)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Principles of Algebra 2 is a course which concentrates on quadratic, polynomial, radical, rational, exponential, and logarithmic functions and graphs. Irrational numbers are studied and complex numbers are also introduced.

Algebra 2 (5330)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Algebra 2 is a rigorous, fast-paced course which concentrates on functions and graphs. Irrational numbers are studied and complex numbers are introduced. A solid foundation in Algebra 1 is essential for placement in this course. It is highly recommended that students purchase a graphics calculator for this course. The TI calculator will be used in class.

Honors Algebra 2 (5335)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7 - 12

LENGTH: Full Year

Honors Algebra 2 is a demanding course intended for highly-motivated students who have successfully completed Honors Algebra 1 and Honors Geometry. Course content focuses on algebraic properties, processes, and representations as well as families of functions and their graphs. In-depth exploration of enrichment topics is also provided. Students are strongly urged to purchase a graphing calculator for this course.

Pre-Calculus with Trigonometry (5338)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: Full Year

This course is for the serious-minded student who wants to better his preparation for the Calculus and other higher mathematics. It consists of an extension of the skills of Algebra 2 with a major emphasis on functions: linear, polynomial, exponential, and trigonometric. Ten to twelve weeks of the course are devoted to a thorough study of trigonometry. A graphics calculator will be helpful for some of the content in the course.

Algebra 3 (5339)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

This course is designed as a third or fourth year option to Pre-calculus for students completing either Principles of Algebra 2 or Algebra 2 in their sophomore or junior year. Topics covered include factoring, binomial expansion, solving rational equations, solving radical equations, linear regression, quadratic functions, exponential functions, logarithmic functions, polynomial operations, and polynomial functions of a higher degree. Recommended to be taken in Junior year for Keystone Exam Requirements.

Introductory Statistics (5341)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

This course is a one semester course designed for students who desire an option to Pre-calculus as a fourth year mathematics course. Students will learn the fundamentals of probability, methods of describing and displaying numerical and categorical data, and investigation of random variables and their distributions.

Personal Finance (5347)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

Personal Finance is a course designed to develop a class of financially literate students. They will have the knowledge, skills, and confidence to begin taking charge of their financial future with the expectation to prosper in today's ever changing economy. Students will increase their understanding of personal financial concepts, develop critical thinking skills with respect to financial planning, learn to appreciate the awesome power of compound interest, apply the knowledge gained to their personal financial situations, and become financially responsible adults who will hopefully save regularly and use credit wisely. Budgeting, saving, making investments, and handling credit are financial skills that all individuals need to know. Reinforcement of financial awareness helps to provide students with the opportunity to live within their means, improve their savings strategies, grow capital through investments, and promote a positive social change as they develop better financial skills. This course is recommended for any senior whether they are college bound or planning on entering the job market immediately upon graduation from high school.

Trigonometry (5349)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

This course is designed as a fourth year option to Pre-calculus for students completing either Algebra 2 TE or Algebra 2 in their junior year. Topics covered include right-triangle trigonometry, angles and radian measure, trigonometric equations, trigonometric applications, identities and proofs, graphs of the sine, cosine, and tangent function.

Honors Pre-Calculus with Trigonometry (5355)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8,10,11,12

LENGTH: Full Year

This course is for the serious-minded student who wants to better his/her preparation for Calculus and other higher mathematics. It explores the relationship between advanced algebra topics and trigonometry. Students are challenged to discover and comprehend the nature of graphs, nonlinear systems, and polynomial and rational functions. The course will also cover arithmetic and geometric sequences, conic sections,

trigonometric proofs, Law of Sines, Law of Cosines, and mathematical induction. A graphics calculator will be helpful for some of the content in the course.

Advanced Placement Calculus AB (5357)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

This is a first year course in calculus sequence intended for the academically accelerated student. AP Calculus AB is equivalent to a first semester calculus course at most colleges and universities. Topics include functions and their graphs, limits, the derivative, derivative applications, differentiation of exponential and logarithmic functions, integration and applications of the integral. A graphing calculator may be helpful for this course and will be used to help students solve problems, interpret results, and support conclusions in their coursework in Edgenuity. As we explore each topic, students will be required to analyze each one analytically, graphically, and numerically. Students are encouraged to take the Advanced Placement Exam given in May.

Computer Science (5372)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8 - 12

LENGTH: One Semester

This course introduces students to the basics of Computer Science through a series of projects that allow for creativity and experimentation. Students will create a diverse portfolio of projects using Python, an open-source programming language used by professional programmers worldwide, as they learn about commands and functions, values and variables, GUIs, modular and object-oriented programming, and events and event-driven processes. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

PREREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install applications on that computer.

Computer Science 2 (5373)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8 - 12

LENGTH: One Semester

In part II of this introductory series, students will deepen their knowledge of Python and develop their programming skills through a series of complex programming projects that require creative thinking and problem solving. Topics include arrays and sets, generators and namespaces, loops, packages and libraries, and file handling. Students will also learn to program simple games.

PREREQUISITE(S): Computer Science 1. Also, students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

Introduction to Information Technology A (5654)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of information technology.

Introduction to Information Technology B (5655)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

In the conclusion of this two-part course, students build on the knowledge gained in part A as they learn the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of information technology.

PREREQUISITE(S): Introduction to Information Technology A

PHYSICAL EDUCATION AND HEALTH

Health 7 (5704)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: One Semester

This course provides students with an opportunity to study in areas of human health as it pertains to the maturing young adolescent. Area of study includes an in-depth approach to the student's ability in life saving techniques, while taking care of the body's circulatory system including CPR/AED training. Personal nutrition and fitness are strongly emphasized while introducing the importance to the other body's systems. Additional health education focuses on the problems dealing with the adolescent's ability to resist peer pressure, drugs, alcohol and negative social/emotional issues. Students will draw on their gained knowledge of course concepts, to build a strong character for making positive choices in their daily lives.

COREQUISITE(S): CPR/AED training must be attained/updated while enrolled in this course. Offerings are available at school or in the community.

Phys Ed 7 (5701)

CREDIT: 0.4

HOURS PER WEEK: 1 hr online work & Fitness Log

GRADE(S): 7

LENGTH: Full Year

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize fitness basics and principles, health-related fitness components and movement in the body. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

Health 8 (5709)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: One Semester

The Eighth Grade Health Education Class examines the development of an adolescent as they change and grow. The class will focus on human anatomy while encouraging how to prevent illness in order to maintain wellness. The Health class also examines issues pertaining to the middle school student's personal development with an area of study in reproduction, AIDS education and sexually transmitted diseases. Drugs, alcohol and other social environmental pressures that affect the areas of personal wellness are strongly emphasized. Other health related topics are addressed as they apply to the student for their wellness and character development for correct decision making in today's fast paced media rich environment. NOTE: Parents/guardians may opt for removal of HIV/AIDS content from their child's course with a written request to the teacher of record.

Phys Ed 8 (5705)

CREDIT: 0.4

HOURS PER WEEK: 1 hr online work & Fitness Log

GRADE(S): 8

LENGTH: Full Year

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize fitness basics and principles, health-related fitness components, participation in sport and treatment for common sports injuries. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

Phys Ed 9 (5720)

CREDIT: 0.5

HOURS PER WEEK: 1.5 hr online work & Fitness Log

GRADE(S): 9 - 12

LENGTH: One Semester

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize the benefits of physical activity, beginning an exercise program, developing and maintaining cardiorespiratory, muscular strength/endurance and flexibility fitness and fitness safety. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of physical activity (15 hours of aerobic and 15 hours of resistance) observed and documented by a professional in the fitness/physical activity field. CPR/AED training must be attained/updated while enrolled in this course. Offerings are available at school or in the community.

Phys Ed 10 (5730)

CREDIT: 0.5

HOURS PER WEEK: 1.5 hr online work & Fitness Log

GRADE(S): 10 - 12

LENGTH: One Semester

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize developing and maintaining cardiorespiratory, muscular strength/endurance and flexibility fitness and body composition, fitness safety, skills for lifelong fitness and success in athletics and designing a personalized fitness plan. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

Health (5735)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

Health education provides students with practical knowledge that will enable them to maintain wellness throughout their lives. The course emphasizes intelligent decision-making and the need to take responsibility for ones' own health. Units studied are based on areas of concern to students in particular and the nation in general. Topics include, but are not limited to general wellness, mental health/disorders, nutrition, alcohol and drugs, sexuality, and health-related environmental issues. NOTE: Parents/guardians may opt for removal of HIV/AIDS content from their child's course with a written request to the teacher of record.

Phys Ed 11 (5740)

CREDIT: 0.5

HOURS PER WEEK: 1.5 hr online work & Fitness Log

GRADE(S): 11 - 12

LENGTH: One Semester

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize physical fitness fundamentals including biomechanical principles, developing and maintaining cardiorespiratory, muscular strength/endurance and flexibility fitness and designing a personalized fitness plan. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field. CPR/AED training must be attained/updated while enrolled in this course. Offerings are available at school or in the community.

Phys Ed 12 (5750)

CREDIT: 0.5

HOURS PER WEEK: 1.5 hr online work & Fitness Log

GRADE(S): 12

LENGTH: One semester

This course is a combination of online work and physical activity. Approximately 20 hours of online work will emphasize physical fitness fundamentals including health-related fitness components, benefits of lifetime fitness, designing a personalized fitness plan and being a wise consumer. The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

COREQUISITE(S): The physical activity requirement includes 30 hours of logged activity (15 hours of aerobic and 15 hours of resistance) which is observed and documented by a professional in the fitness/physical activity field.

READING

Reading 7: Strategic Reading (5103)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: One Semester

This course is designed to help developing readers meet the demands of school and real-life reading situations. Learners will acquire the active reading skills necessary to independently utilize appropriate strategies for analyzing and comprehending increasingly complex texts in all content areas.

Reading 8: Critical Reading (5112)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: One Semester

This course is designed to help the strategic reader think critically by tapping student knowledge and experience, by stressing reasoning skills, and by encouraging a questioning attitude. The reading process is emphasized with a focus on comprehension, vocabulary development, analysis, and evaluation. Students learn to recognize and use more sophisticated patterns of organizing material as a means of learning and remembering information. As strategic readers who can take charge of their own reading, students are challenged to analyze, to respond, and to evaluate a variety of genres.

SCIENCE

Integrated Science 7 (5401)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: Full Year

This course focuses on life science and ecology. Students will investigate the characteristics of the five biological kingdoms. Students will also explore the interaction of living organisms in various ecosystems and analyze real world environmental problems and solutions.

Integrated Science 8 (5410)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: Full Year

This course will integrate chemistry and physical science as well as explore biological and ecological concepts. Emphasis will be placed on problem solving and critical thinking skills. This course will concentrate on making real world connections.

Biology (5428)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

This high school course covers an in-depth view of biological science concepts. A brief section of biochemistry leads into an overview of ecology and the interactions of the environment and populations of living organisms. A comprehensive section on cellular biology and genetics exposes students to biology on a small scale that leads to the theory of evolution and the history of life on earth. The remainder of the course explores the complexity and variety of life on earth with sections devoted to simple organisms, plants, invertebrates and vertebrates as well as human biology.

Honors Biology (5435)

CREDIT: 1

HOURS PER WEEK: 2.5 + 4 online labs

GRADE(S): 9 - 12

LENGTH: Full Year

The core biology curriculum is designed to present an examination of the living world and related societal issues. Emphasis is placed on the scientific process, cells and cell processes, and the continuity and unity of life, including lab simulations. The course will include the characteristics and organization of life from the biosphere to the atom. This includes DNA, biochemistry, genetics, cell division, homeostasis and related processes. Honors Biology is a fast-paced, rigorous course in which the student is expected to be highly motivated to achieve at an honors level. Honors Biology investigates biological organization starting at a molecular level and culminating with living organisms and their inter-relationships. This course differs from Biology in depth, pace, and lab simulations. Note: Students receiving credit for Honors Biology and may not take Biology or Principles of Biology 1 and 2 for credit.

Anatomy (5441)

CREDIT: 0.5

HOURS PER WEEK: 2.5 hours

GRADE(S): 11 - 12

LENGTH: One Semester

This semester course will examine the structures, functions, and interdependence of the human body systems. The course will cover the anatomy of the body (positions, planes, regions) and then move into the musculoskeletal system, nervous and sensory systems, cardiovascular system and the respiratory system. The course will conclude with a brief overview of the integumentary, lymphatic and immune systems. This course is recommended for those pursuing a career in the health science field.

Principles of Chemistry 1 (5460)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

This one-semester course covers the foundation for the composition and structure of matter. Topics will include scientific method, measurement, matter, solids, liquids and gases, atoms, elements, and the periodic table. Lab simulations are used to enhance this course.

Principles of Chemistry 2 (5462)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

This one-semester course is a continuation of the topics covered in Principles of Chemistry I. Topics will include bonding, chemical equations, acids & bases, an introduction to carbon-based chemistry and energy & resources. Lab simulations are used to enhance this course.

PREREQUISITE(S): Principles of Chemistry 1

Chemistry (5464)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: Full Year

This year long high school course covers the foundation for the composition, structure, and reactions of matter. It addresses scientific measurements, the general properties of matter, and the structure of the atoms. Also covered are the periodic table, types of bonds, and chemical equations. Other topics involve introducing the states of matter, chemical reactions, the energy involved in chemical changes as well as a brief overview of nuclear chemistry. This course requires students to use math in calculations and conversions.

Honors Chemistry (5465)

OTHER COURSE NUMBER(S): 6465

CREDIT: 1

HOURS PER WEEK: 2.5 + 4 online labs

GRADE(S): 10 - 12

LENGTH: Full Year

This year long high school science course covers the foundation for the composition, structure, and reactions of matter. It addresses scientific measurements, the general properties of matter, structure of the atoms, the periodic table, types of bonds, and chemical equations. Other topics involve introducing the states of matter, chemical reactions, the energy involved in chemical changes as well as a brief overview of nuclear chemistry. This course requires students to have a solid foundation in math as calculations and conversions are basic components of chemistry. This course is designed to progress at a more rapid pace than the regular chemistry course and covers additional topics.

Principles of Physics (5480)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

This is an introductory course to the physics of mechanics. This course utilizes an online text and virtual lab-based learning approach to investigate the nature of science, concepts of motion, Newton's Laws, energy and momentum and their applications.

Physics: Models and Interactions (5484)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: Full Year

This course is designed for college-bound students. It provides the foundation for an understanding of the laws that govern the concepts of motion and energy. This course relies on the use of mathematics to represent and illustrate different phenomena, so students need to have a strong math background to be successful. Major themes in this course include mechanics, work and energy, electricity and magnetism, waves, light, sound.

Honors Physics (5485)

CREDIT: 1

HOURS PER WEEK: 2.5 + 4 online labs

GRADE(S): 11 - 12

LENGTH: Full Year

This course is designed for college-bound students. It provides the foundation for an understanding of the laws that govern the concepts of motion and energy. This course relies on the rigorous use of mathematics, including Algebra II and Trigonometry, to represent and illustrate different phenomena. Students must have a strong mathematical background to be successful. The Honors Physics course surveys a wider variety of content than the Physics course. Additional content includes circular motion, gravitation, atomic physics, interference and diffraction.

Astronomy (5488)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

The course of Astronomy is designed to give the high school student an introduction and appreciation for the universe beyond the earth. Emphasis is placed on atmospheric science in the first half of the course through lessons on weather and climate. The second half focuses on space science, exposing students to the interactions of the earth, moon, and sun and an overview of our solar system and the universe beyond. This is an elective science course.

Introduction to Anatomy (5440)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

This semester course provides an introductory level study of the human body, its structure and function. The main focus of this course is a survey of each body system, including cells, tissues, and organs, and the homeostatic mechanisms of the body. This course would be especially useful for students whose ultimate goal is to enter the health care profession by providing a basic overview of vocabulary and purpose for body systems and parts.

PREREQUISITE(S): Successful completion of any level of Biology.

Ecology (5443)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This course examines the environment and man's impact on it. The students will develop an understanding of what an ecosystem is and the elements that determine the types and numbers of organisms that live there. We will look at the atmosphere (air), the hydrosphere (water), and the lithosphere (soil) and how they sustain the biosphere (life), and how the biosphere interactions with each of the other spheres. Environmental science pairs with this course to provide insight into how humans affect these spheres.

Environmental Science (5444)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This semester course encompasses several major units which cover many aspects of environmental science including The Water; Energy and Resources; and Societies and Policy. Environmental Science contains Global Connections lessons which include unique activities that merge lesson material with real world issues pertaining to the environment. This course focuses on the impact human activity has had on ecosystems. We will also look at the role humans have had in the ecological spheres (studied in Ecology) and the impact these changes have had on the world.

Advanced Placement Environmental Science (5445)

OTHER COURSE NUMBER(S): 6445

CREDIT: 1.4

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: Full Year

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will be required to be on campus to complete multiple labs each nine weeks. These may be after school labs.

Global Science (5450)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Global Science is a one-semester elective course that serves as an introduction to various environmental and Earth sciences concepts. Environmental topics covered include: ecosystems and their dynamics, natural resources, conservation, watershed delineation, wetlands, and pollution. Earth science concepts covered include: rocks and minerals, plate tectonics, meteorology, global warming, origins of the universe, the life cycle of stars and planetary motion.

Introduction to Health Science A (5451)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

This course introduces students to a variety of healthcare careers as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students will learn terminology; anatomy and physiology; pathologies; diagnostic and clinical procedures; therapeutic interventions; and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the healthcare field.

PREREQUISITE(S): Principles of Biology, Biology, or Honors Biology

Introduction to Health Science B (5452)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

In the conclusion of this two-part course, students build on the knowledge gained in part A as they master the basic skills required of all healthcare professionals. In addition to learning the key elements of the U.S. healthcare system, students will learn terminology related to the following: anatomy and physiology; pathologies; diagnostic and clinical procedures; therapeutic interventions; along with the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the healthcare field.

PREREQUISITE(S): Introduction to Health Science A

Advanced Topics in Chemistry (5468)

CREDIT: 0.5

HOURS PER WEEK: 2.5 hrs

GRADE(S): 11 - 12

LENGTH: Semester

This one semester course covers topics in chemistry such as thermodynamics, kinetics, equilibrium, acids and bases, electrochemistry and nuclear chemistry. These topics are not normally discussed in a first year chemistry course. Lab simulations and mathematical calculations are an integral part of this course.

SOCIAL STUDIES

Adventures in World History (5201)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7

LENGTH: Full Year

Adventures in World History provides students with the opportunity to study civilizations and events that have shaped our modern world. The time frame of the course will include prehistory through the fall of the Roman Empire. This course will explore the relationship between physical geography and the development of human culture and civilization. Students will also examine political, cultural, and religious changes that have taken place throughout this time period while learning how historians use inferences and connections from reliable sources to examine the past. Through the use of essential questions, the course will provide a foundation for future social studies courses.

Civics and Economics (5210)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: Full Year

This course provides the student with the opportunity to investigate the structure of the United States' political system and principles of contemporary economics. This course will include eighteen weeks of Civics instruction and eighteen weeks of Economics instruction. This course will focus on preparation of the student for adult participation in the political system and the economy.

U.S. History I (5220)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

U.S. History I is a semester-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through Jacksonian Democracy, leading students through a careful examination of the defining moments that paved the way for the United States of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical thinking skills by examining the constitutional foundations of U.S. government.

U.S. History 2 (5222)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

U.S. History II is a semester-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from Manifest Destiny through the Industrial Revolution, leading students through a careful examination of the defining moments that paved the way for the United States of today. As they study the history of the United States, students will learn critical thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

Honors U. S. History 1 (5225)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Honors U.S. History I is a semester-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through Jacksonian Democracy, leading students through a careful examination of the defining moments that paved the way for the United States of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical thinking skills by examining the constitutional foundations of U.S. government. Students will also collaborate with their classmates in discussions of historical events in the United States.

Honors U. S. History 2 (5226)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

U.S. History II is a semester-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from Manifest Destiny through the Industrial Revolution, leading students through a careful examination of the defining moments that paved the way for the United States of today. As they study the history of the United States, students will learn critical thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction. Students will also collaborate with their classmates in discussions of historical events in the United States.

World History & Geography 1: 1350 - 1914 (5227)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

Beginning with topics from prehistory and culminating in the events of the 21st century, this course provides interactive course content that will challenge high school students to learn about the political, economics, and social aspects of Eastern world history. This highly engaging, semester course encourages students to explore the major revolutions and social movements that have influenced different Eastern hemisphere nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world.

World History & Geography 2: 1914 - Present (5229)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

Beginning with topics from prehistory and culminating in the events of the 21st century, this course provides interactive course content that will challenge high school students to learn about the political, economics, and social aspects of Western world history. This highly engaging, semester course encourages students to explore the major revolutions and social movements that have influenced different Western hemisphere nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world.

Honors World History & Geography 1: 1350 – 1914 (5235)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

Beginning with topics from prehistory and culminating in the events of the 21st century, this course provides interactive course content that will challenge high school students to learn about the political, economics, and social aspects of Eastern world history. This highly engaging, semester course encourages students to explore the major revolutions and social movements that have influenced different Eastern hemisphere nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world. Students will also collaborate with their classmates in discussions of historical events in the Eastern hemisphere.

Honors World History & Geography 2: 1914 – Present (5236)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 10 - 12

LENGTH: One Semester

Beginning with topics from prehistory and culminating in the events of the 21st century, this course provides interactive course content that will challenge high school students to learn about the political, economics, and social aspects of Western world history. This highly engaging, semester course encourages students to explore the major revolutions and social movements that have influenced different Western hemisphere nations and eventually spread throughout the world. During this course, students will be exposed to a variety of pressing issues that have garnered opportunities for both conflict and cooperation in the modern world. Students will also collaborate with their classmates in discussions of historical events in the Western hemisphere.

Advanced Placement World History (5237)

OTHER COURSE NUMBER(S): 6237

CREDIT: 1

HOURS PER WEEK: 3.5

GRADE(S): 10

LENGTH: Full Year

This is a college-level course for qualified sophomores chronologically exploring the history and evolution of civilization as it spread to every corner of the Earth. Themes will focus on: the interaction between humans and the physical environment; the development of culture and transnationalism; state-building, expansion, and conflict; and the development of economic systems and social structure. The course is designed to prepare students for intermediate and advanced college courses and may enable a student to earn college credits. It may not be accepted at all institutions without a minimum score of 3 on the National Advanced Placement Exam. The student should make the determination of whether he or she is applying to a college that accepts completion or examination credit.

COREQUISITE(S): Proctored exams required. Summer work beginning early August.

U. S. History 3 (1898 - 1947) (5238)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

U.S. History III is a semester long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the Great Depression. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the United States rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives.

U. S. History 4 (5240)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

U.S. History IV is a semester-long course that examines the major events and turning points of U.S. history from World War II through the Modern World. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the United States rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives.

Honors U.S. History 3 (5245)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

U.S. History III is a semester long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the Great Depression. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the United States rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives. Students will also collaborate with their classmates in discussions of historical events in the United States.

Honors U.S. History 4 (5246)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

Honors United States History IV U.S. History IV is a semester-long course that examines the major events and turning points of U.S. history from World War II through the Modern World. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the United States rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives. Students will also collaborate with their classmates in discussions of historical events in the United States.

Advanced Placement United States History (5247)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: Full Year

A college-level course for qualified juniors and seniors covering the history of the United States from colonial times to the present; research, comprehension, and communication are emphasized. The course prepares students for intermediate and advanced college courses by making demands equal to those of a full-year level-one college course. The course may enable a student to earn college credits. It may not be accepted at all institutions without a minimum score of 3 on the national Advanced Placement Exam. The student should make the determination of whether he or she is applying to a college that accepts completion or examination credit. Students who register for this course as a senior will also need to fulfill the Economics and Government and Issues graduation requirement.

COREQUISITE(S): Proctored exams required. Summer work beginning early August.

Economics (5248)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: One Semester

Economics provides students with an understanding of the principles of economics. As they become familiar with how markets work, students interact with lessons to apply the key micro economic concepts of supply and demand as well as the role of prices. This course targets important aspects of the world economy, including international trade and global economic challenges, and encourages students to apply the economic way of thinking to a variety of situations relevant to their everyday lives.

Government and Issues (5250)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: One Semester

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its Amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy approaches. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

Honors Economics (5255)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: One Semester

CHS Honors Economics provides students with an understanding of the principles of economics. As they become familiar with how markets work, students interact with lessons to apply the key micro economic concepts of supply and demand as well as the role of prices. This course targets important aspects of the world economy, including international trade and global economic challenges, and encourages students to apply the economic way of thinking to a variety of situations relevant to their everyday lives. Students will also collaborate with their classmates in discussions of local and recent economic activity.

Honors Government and Issues (5256)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 12

LENGTH: One Semester

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its Amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy approaches. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays. Students will also collaborate with their classmates in discussions of local and recent government activity.

Advanced Placement United States Government and Politics (5258)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Advanced Placement United States Government and Politics is a college level course for qualified seniors designed to prepare them to take the corresponding Advanced Placement College Board United States Government and Politics Examination. The course covers the study of general concepts used to interpret U.S. Government and Politics and an analysis of specific historical examples. The course gives students an analytical perspective on U.S. Government and Politics and requires students to become familiar with the institutions, groups, beliefs and ideas that comprise them. Students will become acquainted with a variety of theoretical perspectives, know relevant facts pertaining to American political process, analyze patterns and data, and be able to critically analyze political theory. Topics include the Constitutional underpinnings of U.S. Government, political beliefs and group behaviors, political parties, interest groups, impact of the media, institutions of national government, public policy, and civil rights and civil liberties. This course may enable students to earn college credit by taking the national Advance Placement Examination but credits may not be accepted by all institutions. Successful completion of this course also fulfills the economics requirement for graduation.

COREQUISITE(S): Proctored exams required. Summer work beginning early August.

Introduction to Psychology (5273)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 11 - 12

LENGTH: One Semester

This course introduces students to the study of psychology and helps them to master fundamental concepts in research, theory and human behavior. Students analyze learning, personality and behavior from the perspective of major theories within psychology, including the biological, psychosocial and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field.

Advanced Placement Psychology (5275)

CREDIT: 1

HOURS PER WEEK: 2.5 hrs

GRADE(S): 11 - 12

LENGTH: Full Year

This AP Psychology course introduces the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. An approved professional must proctor the unit and cumulative exams on campus or off-site. The proctor agreement must be completed prior to beginning the course. Successful completion of this course for seniors also fulfills the economics and government requirements for graduation.

COREQUISITE(S): Proctored exams required. Summer work beginning early August.

Geography (5271)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Designed as a semester high school course, lessons explore global connections: tracing the development of modern civilization and human systems from the agricultural revolution to the technological revolution, and the development of the modern urban space. Students will also examine the effects of technology on societies and environments, including human movement, communications, climate change, and pollution.

Human Geography (5274)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

Examining current global issues that impact our world today, Human Geography takes a thematic approach to understanding the development of human systems and focuses on human understanding of the world and human social organization. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems this course encourages students to analyze economic trends as well as compare global markets and urban environments.

Advanced Placement Human Geography (5276)

CREDIT: 1

HOURS PER WEEK: 3.5

GRADE(S): 10 - 12

LENGTH: Full Year

Designed to meet or exceed the experience of a college course, AP Human Geography examines the geographic processes and analyzes the spatial patterns evident in today's world. Students enrolled in this comprehensive course will explore the factors that have shaped human interaction, use and alteration of the Earth's surface while employing spatial concepts and landscape analysis to examine social organization and its environmental consequences. An approved professional must proctor the unit and cumulative exams on campus or off-site. The proctor agreement must be completed prior to beginning the course.

COREQUISITE(S): Proctored exams required. Summer work beginning early August.

Intro to Engineering Design (5810)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 8

LENGTH: One Semester

This introductory engineering course teaches the basics of computer-aided design: creating geometric forms, interpreting 2D and 3D drawings of objects, and editing isometric and perspective drawings in a 3D CAD environment. As students create a diverse portfolio of projects, they will gain the foundation needed to translate abstract concepts into functional designs. Throughout the course, students will use CAD Standard Lite and Google SketchUp software. Students completing this course must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

GameMaker Programming 1 - Skills Course (5894)

CREDIT: 0.5

HOURS PER WEEK: 2.5 hours

GRADE(S): 9 - 12

LENGTH: One Semester

Students learn the concepts taught in a college-level "Programming 101" course, but all of the projects are games! Students receive an introduction to basic programming by building two dimensional (2D) games. GameMaker™, the 2D game engine they interact with, is based on a scripting language that builds techniques which can be transferred to any other programming language such as Python, Java and C++. Students finish complete stand-alone executable games that can be played with friends and added to their digital portfolio. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

GameMaker Programming 2 - Skills Course (5895)

CREDIT: 0.5

HOURS PER WEEK: 2.5 hours

GRADE(S): 9 - 12

LENGTH: One Semester

GameMaker Programming II builds upon the concepts introduced in GameMaker Programming I. Students engage in higher level thinking as they continue to utilize GameMaker to program two dimensional (2D) games. By the end of the course, students will have explored the game programming career field. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

PREREQUISITE(S): GameMaker Programming I

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

Engineering Design (5881)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 7 - 12

LENGTH: One Semester

This introductory engineering course builds on knowledge of core engineering concepts as students work in a CAD environment. Students will learn the steps of the design process by modeling and building paper towers, bridges, or platforms. Students will use Creo Elements/Direct™, a 3D CAD modeling program used by professional engineers. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

3D Art 1: Modeling (5882)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This introductory design course teaches the fundamental concepts of 3D modeling and allows students to explore the basic concepts and skills of 3D animation. In this course, students will work with Blender® to create projects such as an image of a monkey wearing a hat, a landscape terrain, an animation of a creature walking, and many more. The student must be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently.

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

3D Art 2: Animation (5883)

CREDIT: 0.5

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This design course builds on the foundational skills taught in Part I. By working on animations such as a bouncing ball with realistic movement, lighting animation that changes color and brightness, a robot arm that lifts and drops balls and a variety of other projects, students will gain an understanding of the skills necessary to be a professional animator.

PREREQUISITE(S): 3D Art 1: Modeling

COREQUISITE(S): Students working at home must have access to a computer running Microsoft Windows and have the ability to install software on that computer.

WORLD
LANGUAGES

French 1 (5520)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 12

LENGTH: Full Year

This proficiency-based course is for students who are beginning their study of a foreign language. Active participation is required from each student as he/she develops written and oral communication skills as well as reading and listening comprehension of the language. This course will introduce basic vocabulary, grammar and verb tenses, which will be built upon in subsequent levels. Students will be introduced to various cultures as they are presented through thematic units. Note: Grade 7 does not count towards NCAA credit.

German 1 (5530)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 12

LENGTH: Full Year

This proficiency-based course is for students who are beginning their study of a foreign language. Active participation is required from each student as he/she develops written and oral communication skills as well as reading and listening comprehension of the language. This course will introduce basic vocabulary, grammar and verb tenses, which will be built upon in subsequent levels. Students will be introduced to various cultures as they are presented through thematic units. Note: Grade 7 does not count towards NCAA credit.

Latin 1 (5550)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 8 - 12

LENGTH: Full Year

Students begin their introduction to Latin with fundamental building blocks in four key areas including listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar which represents an ideal blend of language learning pedagogy and online learning. Each unit also includes cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

Spanish 1 (5540)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 8 - 12

LENGTH: Full Year

Created to be a two-semester course for high schools students that allows for an individualized development of the Spanish language through the study of the core grammatical structures and the vocabulary necessary for elementary communication. Spanish I also provides students with an introduction into the traditions and customs of Spanish-speaking people across the world.

French 2 (5521)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 8 - 12

LENGTH: Full Year

This proficiency-based course builds upon skills mastered in level one. Listening, speaking, reading and writing skills are reinforced through proficiency-based activities. Students explore more complex grammar structures that are embedded in various texts at a more in-depth level. This course also requires more active participation from students so that they may develop better communication skills. Students will explore the culture as it is presented through thematic units.

French 3 (5522)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 9 - 12

LENGTH: Full Year

The purpose of French 3 is to continue the development and improvement of the four language skills (listening, speaking, reading, and writing). There is a greater emphasis on speaking and listening skills; naturally, drills and pattern phrases are used along with the exercises in the basic grammar text for level three.

French 4 (5523)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 10 - 12

LENGTH: Full Year

In addition to the programs used in French 3, the purpose of French 4 is to encourage original thinking, with greater emphasis on speaking, reading and writing skills. Students are expected to speak mostly in French. The speaking and reading is based on an anthology of history, culture and customs. There will be discussions about French history, modern French culture, and the regions of France.

German 2 (5531)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 8 - 12

LENGTH: Full Year

This proficiency-based course builds upon skills mastered in level one. Listening, speaking, reading and writing skills are reinforced through proficiency-based activities. Students explore more complex grammar structures that are embedded in various texts at a more in-depth level. This course also requires more active participation from students so that they may develop better communication skills. Students will explore the culture as it is presented through thematic units.

Spanish 2 (5541)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 7 - 12

LENGTH: Full Year

In level 2 students continue to develop language skills in all four areas of communication: listening, reading, speaking and writing. At this level students expand their vocabulary knowledge and study more advanced grammar structures. Students will comprehend language at an increased level of complexity and speed. In addition, students develop an acceptance of diversity by exploring specific elements of the Latin-American culture.

Spanish 3 (5542)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full Year

Students enrolling in Spanish 3 will continue to develop their skills in listening, reading, and writing Spanish. Students will study topics such as technology, climate and nature, city, and the subjunctive mood of verbs. In Spanish III, students can expect to be challenged with advanced grammatical concepts and will be introduced to podcasts to provide and obtain information, express feelings and emotions, and exchange opinions.

Spanish 4 (5543)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 10 - 12

LENGTH: Full Year

Students enrolling in Spanish 4 will continue to develop all four language skills, while working at a faster pace at a more in-depth level. They will apply their targeted language ability through increased readings of literature, increased exposure to authentic spoken language, and application of more advanced grammatical concepts, in addition to the usual cultural information, where emphasis is placed on the student of selected Latin American countries.

Advanced Placement Spanish Language and Culture (5548)

CREDIT: 1

HOURS PER WEEK: 3.5

GRADE(S): 11 - 12

LENGTH: Full Year

The Advanced Placement Program in Spanish Language is intended for those motivated students who have chosen to develop and master their proficiency in all four language skills (listening, speaking, reading, and writing) in an intensive course, equivalent to that of a third-year college course in Advanced Spanish. Students who enroll should already have a well-developed knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. The course is taught almost exclusively in Spanish and the students are expected to speak entirely in Spanish as well. An approved professional must proctor the unit and cumulative exams on campus or off-site. The proctor agreement must be completed prior to beginning the course.

COREQUISITE(S): [Proctored Exams Required.](#)

Latin 2 (5551)

CREDIT: 1

HOURS PER WEEK: 5

GRADE(S): 8 - 12

LENGTH: Full Year

Latin 2 is also a readings-based course, consisting of 180 lesson days formatted in an intuitive calendar view, which represents an ideal blend of language learning pedagogy and online learning. Units consist of vocabulary themes and numerous interactive games reinforcing grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations and assessments.

Mandarin Chinese 1 (5560)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: One Semester

This is a beginning level course that will introduce the student to a variety of areas of Mandarin Chinese (simplified). In this course, the student will learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Chinese speaking world and their culture, people, geographical locations and histories. The course is aligned to national Foreign Language standards. Learning activities in each unit are focused upon a specific theme including the following: Introduction to Chinese Language, Greetings, Numbers, My Family and School Life. This is an independent course please note that instruction is delivered by a non-Seneca Valley PA certified teacher. Seneca Valley staff cannot tutor or assist students with the content of the course.

Mandarin Chinese 2 (5562)

CREDIT: 1

HOURS PER WEEK: 2.5

GRADE(S): 9 - 12

LENGTH: Full-year

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (daily routine, animals, hobbies, the body, and descriptions), students learn to express themselves using an ever increasing vocabulary, present tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Chinese speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards. Learning activities in each unit are focused upon a specific theme including the following:

Students talking about what they like to do in their free time, Their daily activities using a wide range of vocabulary and reflexive verbs, Animals and things animals do, The parts of their body and their function, People and Culture. This is an independent course please note that instruction is delivered by a non-Seneca Valley PA certified teacher. Seneca Valley staff cannot tutor or assist students with the content of the course.