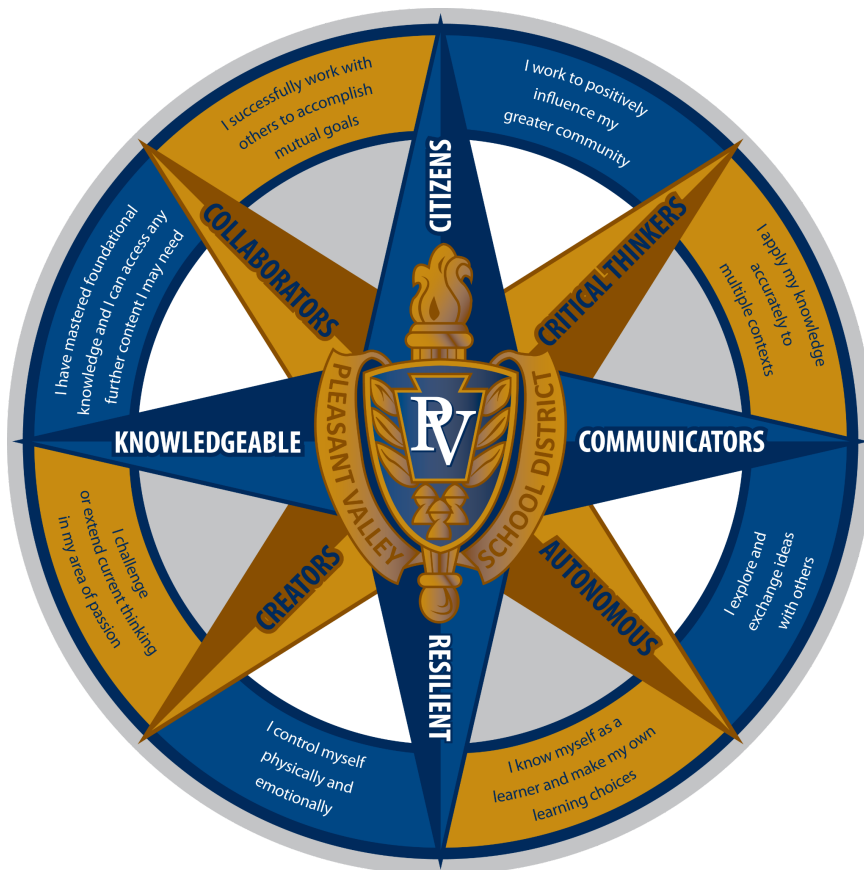


2026-2027

PVBA Course List

GRADES 9-12



Important Considerations and Information

AP COURSES

- **Requirements:** Minimum **87%** in prerequisites. Email Ms. Leibenguth for the mandatory AP form and administrator approval.
- **Commitment:** AP courses **cannot be dropped**.
- **Testing:** Students **must** take the AP exam in-person at the school. Parents/students are responsible for transportation.
- **Fees:** PV covers the exam fee; however, if a student skips the test, the cost will be charged to the family.
- **Note:** No GPA bonus points are awarded for PVBA AP courses, and no summer work is assigned.

HONORS COURSES

- **Requirement:** Minimum **87%** in previous related courses.
- **Note:** No GPA bonus points are awarded for PVBA Honors courses.

CONCURRENT ENROLLMENT (College Credit + HS Credit)

- **Format:** Classes must be taken **in-person** at the high school daily.
- **Logistics:** Students must provide their own transportation and depart immediately after class.
- **Offerings:** College English 1 & 2, Intro to College English, and Early Childhood Education (via NCC).

DUAL ENROLLMENT (College Credit ONLY)

- **Requirements:** Minimum **84 GPA**. Email Ms. Leibenguth for the FERPA and Dual Enrollment applications.
- **Credits:** These do **not** count toward HS graduation requirements.
- **Scheduling:** Courses must be completed outside of school hours.
 - **11th Grade:** Must still maintain a full 7-credit PVBA load.
 - **12th Grade:** Only eligible if all graduation requirements are met or currently being passed in the student's schedule.

DIVERSIFIED OCCUPATIONS - Work Study for HS Credit

- **Only 12 grade students are eligible.**
- **Requirements:** Minimum 75 GPA and a part-time job.
- **Credits:** A full year of D.O. is worth 3 credits, and a half year of a D.O. is worth 1.5 credits. Students may complete a half year either in the Fall or Spring semester.
- **Transportation:** Students must attend the D.O. class in-person with a teacher, and are responsible for their own transportation.

Table of Contents

Business and Finance	4
Technology Education	5
English	6
Family and Consumer Sciences	8
Art	9
Math	10
Science	13
Social Studies and History	19
Careers	24
Physical Education	28
World Languages	29
Study Skills	32

2025–2026 Course List

GRADES 9-12

Business and Finance

Introduction to Business (5657)

CREDIT: 0.5 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, business technology, marketing/advertising, costs and profit, and business communication will be introduced.

Introduction to Entrepreneurship (5659)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Learn the skills needed to effectively organize, develop, create, and manage your own business, including the challenges, problems, and issues faced by entrepreneurs. You will become familiar with the traits and characteristics that are found in successful entrepreneurs, and you will see how research, planning, operations, and regulations can affect small businesses.

Transportation, Distribution, and Logistics (5669)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: One semester

This course provides students with the history of logistics, and an overview of the fields of transportation, distribution, and logistics. Students will learn how warehousing and inventory impact the economy and the world of commercial transportation. Future trends in transportation, distribution, and logistics will also be outlined. Students should have a strong understanding of economics.

Banking Services Careers (5666)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Banking Services Careers will focus on the specific skills related to banking and related services, including exploring career paths and the required training or higher education preparation necessary to obtain a career in banking and related services. You also will gain an understanding of the basic functions of customer transactions, cash drawer activity, check collection processes, and other customer service–related transactions. It is recommended that Intro to Business is taken prior to this course.

Business and Management Careers (5671)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: One semester

Business and Management Careers is an introductory course for students interested in exploring careers in business and management. Specifically, business and finance, marketing, architecture, construction, manufacturing, transportation, distribution, and logistics. You will discover the components of establishing a business, and identify skills, abilities and talents needed for various business careers.

Introduction to Finance (5775)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: One semester

This course will focus on the fundamentals of the financial services industry in the United States and explore the jobs and career opportunities that the industry offers. Topics include finance and financial services, securities analysis and investments, corporate finance, banking services, and risk management.

Technology Education

Keyboarding and Office Applications (5653)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One Semester

This cyber course will have a brief introduction to keyboarding, and then students will gain the introductory computer skills they need to use Microsoft Word, Excel, and PowerPoint applications to design, develop, create, edit, and share business documents. The student should be able to read and follow detailed on-screen instructions and be able to save and open network computer files independently. This is a project based course.

Inventions and Innovations (8116)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One Semester

This course explores the dynamic process of bringing new ideas to life, from initial concept to market launch. Students will delve into the fundamentals of product development, mastering the skills necessary to analyze, design, and test innovative solutions. Through hands-on projects, they will learn to identify and refine product concepts, develop functional prototypes, and navigate the complexities of engineering and design requirements. The course covers the Product Development Life Cycle (PDLC), emphasizing the importance of project charters, requirement definition, and effective implementation strategies. Students will also gain proficiency in 3D modeling and design engineering, applying these skills to real-world challenges. By analyzing successful project plans and exploring industry concepts, students will develop a comprehensive understanding of how to engineer and market products for the twenty-first century. This course empowers students to become creative problem-solvers and future innovators.

English

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 as it relates to their chosen pathway.

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: Full 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: Full 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 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.

English 11: American Voices (5140)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Full Year

This survey course of American literature is organized by theme. Students will focus on textual understanding and making connections to and between texts. Students will read a diverse offering of authors that include classic writers, as well as modern and lesser-known perspectives. Students will think critically and support their thinking with textual evidence. Course work includes discussion, short writings, projects, and a required research paper.

Honors English 11: American Voices (5145)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Full Year

This survey course of American literature is organized by theme and is designed for students who have mastered basic comprehension, analysis, and writing skills. Students will read, interpret, and analyze a diverse selection of novels, essays, short stories, dramas, and films. Texts will include a diverse offering of authors that include classic writers, as well as modern and lesser-known perspectives. Critical thinking is emphasized through a study of historical and societal influence on both the authors and their produced texts. Students will collaborate, communicate, and support their thinking. Analytical, evidence-based writing skills are developed through short writings, projects, and a required research paper.

AP English 11: Advanced Placement Language and Composition (5146)

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 must take the AP English examination** that could result in attaining college credit (see page 2).

English 12: 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.

AP English 12: 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 must take the AP exam.** 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. (See page 2 for more information).

Creative Writing (5173)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10 - 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 engage in experience writing personal reflections, definition essays, research essays, persuasive essays, informative essays, and literary analysis essays. The writing will adhere to all conventions of the English language and will exhibit a variety of sentence structures and word choice.

Family and Consumer Sciences

Adult Living (5643)

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 students. 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.

Intro to Family and Consumer Sciences (5610)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

This is an introductory class for the area of Family and Consumer Sciences. By taking this course, students will gain basic knowledge and skills in the areas of food and nutrition, family relationships, clothing, and consumerism. The course is designed to be relevant to the

students' present-day life and a foundation for future courses in the Family and Consumer Sciences department.

Art

Art History 1: 30,000 BCE- 1900 AD (5776)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Foundations in Art (7116)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Students will receive a comprehensive introduction to art through this course which includes both studio art work and art history. Students will learn how to apply the design elements and principles to create realistic artworks. This foundational course will teach hands-on drawing techniques and color theory, including observation methods to render images. Students will also use a more mechanical method using compasses and rulers through mathematical constructions to illustrate objects realistically. An exploration of linear perspective demonstrates how to create the illusion of depth in architectural drawings. Students will also research, evaluate, and respond to art techniques, styles, and periods throughout the Western World. A thorough investigation of civilization's art will provide links to current trends. Students will learn to appreciate the social importance of art found throughout history.

Graphic Design (6114)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Students will be taught the basic concepts behind advertising and print documents. Students will use photo editing software to create media used in marketing products. Students will learn basic concepts needed to create a well-balanced document. Students will create flyers, brochures, invitations, posters, calendars, logos, announcements, and much more. Students will learn how to create effects that will catch the eye of the consumer to create an effective advertisement.

Math

Pre-Algebra

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9, 10,11,12 LENGTH: Full Year

Students will be scheduled for this if they previously failed Math 8. Pre-Algebra consists of a study of the real number system, sets, variables, open sentences, axioms, negative numbers, equations, sentences in two variables, factoring, rational and irrational numbers and problem-solving using variables. The emphasis is on the structure of real numbers, algebraic concepts, deductive reasoning, and precision of language.

Algebra 1 (3209)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9, 10,11,12 LENGTH: Full Year

Algebra I consists of a study of the real number system, sets, variables, open sentences, axioms, negative numbers, equations, sentences in two variables, factoring, rational and irrational numbers and problem-solving using variables. The emphasis is on the structure of real numbers, algebraic concepts, deductive reasoning, and precision of language.*Note: All students enrolled in this course are **required to take the Keystone Exam**.

Algebra 2 (3210)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 - 11 LENGTH: Full Year

Algebra II is primarily an extension of Algebra I. However, a more rigorous approach is taken in the study of the real number system. The first part of the course involves real number concepts and skills, the solution of linear equations and inequalities, solving verbal problems, properties of polynomials, and rational expressions. The second part of the course deals with relations and functions, irrational numbers and quadratic relations. Students that have successfully completed Algebra 1B must take either Algebra II or Geometry to fulfill the three math credits required for graduation.

Honors Algebra 2 (3110)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 - 11 LENGTH: Full Year

The Honors Algebra II course is both accelerated and enriched. In addition to the topics delineated in Algebra II, the students will be challenged by higher-order thinking problems, equations and graphs, conic sections and logarithms.

Prerequisites: A recommended grade of 87% or higher.

Geometry (3211)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 - 11 LENGTH: Full Year

Geometry is a course that emphasizes logical reasoning, spatial visualization skills, and their application to problem solving. Students are expected to write two column deductive formal proofs, and use algebraic skills to set up and solve problems based on geometric

representation. Additionally, students will solve problems related to plane, solid and coordinate geometry. 39 Students that have successfully completed Algebra 1B must take either Algebra II or Geometry to fulfill the three math credits required for graduation.

Prerequisites: Algebra 1, or completion of Algebra 1B

Honors Geometry (5325)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 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. 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 concepts. 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.

Probability and Statistics (5341)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: Full Year

Probability & Statistics poses a challenge to the analytic mind. Students will learn topics such as descriptive statistics, normal distributions, sampling, confidence intervals, hypothesis testing, correlation, regression, and probability. Students should have adequate reading comprehension skills. Probability & Statistics poses a challenge to the analytic mind. Students will learn topics such as descriptive statistics, normal distributions, sampling, confidence intervals, hypothesis testing, correlation, regression, and probability. Students should have adequate reading comprehension skills.

Prerequisite: Algebra 1 or Algebra 1B

Pre-Calculus (3114)

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 their preparation for 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.

Prerequisites: A recommended grade of 87% or higher in Algebra II.

AP Statistics (5360)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: Full Year

AP Statistics is a full year mathematics course for students planning a career in business,

math, science, education, engineering, accounting, law, medicine, or communications as well as those who have an interest in mathematics. Students are exposed to data exploration with a focus on describing patterns and departures from patterns, planning in conducting research studies, exploring random phenomena using probability and simulation, and estimating population parameters and testing hypotheses. The TI graphing calculator, statistical software Minitab, and Excel will be used extensively. **The students will be expected to take the AP Statistics exam.**

Prerequisite: 87% or better in Precalculus.

AP Calculus AB (5357)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11 - 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.

Prerequisite: Final grade of a 90% or better in Precalculus.

Personal Finance 1 (5347)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

Personal Finance 1 is 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. Budgeting, saving, making investments, and handling credit are financial skills that all individuals need to know. This course is recommended for any junior/senior whether they are college bound or planning on entering the job market immediately upon graduation.

Personal Finance 2 (5348)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

This course is designed to add on to the skills and knowledge developed in Personal Finance 1. This cyber-only course is available to students who have already completed and passed the first semester (classroom or cyber version) of Personal Finance 1. Students will gain a deeper understanding of topics including investing, credit, debt, bankruptcy, identity theft, insurance, and home rental and purchase.

Prerequisite: Personal Finance 1

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. 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.

Science

Principles of Biology (5420)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: One semester

This course will cover a broad range of topics including scientific processes, biochemistry, cell biology, and genetics. Simulated lab experiences are an integral part of this course. Principles of Biology is a full-year, computer-based introductory course designed to present an examination of the living world and related societal issues. The course will include the characteristics of life from the biosphere to the atom. Units taught in this course include: genetics, DNA replication, protein synthesis, evolution, and plant and animal anatomy. Note: Students receiving credit for Principles of Biology 1 and Principles of Biology 2 may not take Biology or Honors Biology for credit.

Biology (5428)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 LENGTH: Full Year

Biology is a required science course for high school graduation. It will focus on basic biological concepts. The course will explore the nature of science, biochemistry, bioenergetics, cellular transport, cell biology, and genetics, ecological principles, and evolution. This course aligns with the recommended biology curriculum standards outlined through the PA Department of Education, as well as the outlined standards for the Biology Keystone Exam. Successful completion of this course ensures students are prepared to take the Keystone Assessment in Biology. *Note: All students enrolled in this course are required to take the Keystone Exam.

Honors Biology (5435)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 LENGTH: Full Year

Honors Biology is a first year Biology course that will emphasize important content in preparation of the Biology Keystone Exam, while meeting the needs of advanced learners. Students will develop a deep body of knowledge about the structures, functions, and changes that differentiate living organisms from non-living systems. Students will develop an understanding of cell structure and function, genetics, ecology, and the embedded evolutionary evidence that explains biological relationships. Students will be expected to participate in at least 4 online virtual labs through Edgenuity. *Note: All students enrolled in this course are required to take the Keystone Exam. Prerequisite: Recommended grade of 87% or higher in previous science course.

AP Biology (5436)

CREDIT: 1 HOURS PER WEEK: 7

GRADE(S): 11-12 LENGTH: Full Year

Advanced Placement Biology is a college-level course designed to be the equivalent of a two-semester college introductory biology course and intended for students wanting to pursue further study in the biological sciences or research. Emphasis of the course includes chemistry of life, cells, cellular energetics, heredity, molecular genetics, evolutionary biology, diversity of organisms, structure and function of plants and animals, and ecology. Due to the large amount of content and fast pace within this course, students must possess a high degree of independence and self-motivation.

Students must take the AP Biology examination.

Prerequisite: 87% or greater in a previous science course.

Principles of Chemistry (5460)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10 - 12 LENGTH: Full Year

This course covers the foundation for the composition and structure of matter. The first semester of the course will go over topics including the scientific method, measurement, matter, solids, liquids, gases, atoms, elements, and the periodic table. The second semester will be covering bonding, chemical equations, acids and bases, introduction to carbon-based chemistry, energy, and resources. Virtual lab simulations will be used to enhance the course.

Chemistry (4210)

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.

Prerequisite: Successful completion of Algebra 1 at a 70% or better.

Honors Chemistry (4116)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10- 12 LENGTH: Full Year

This is an elective course designed to meet the needs of the academically superior student who intends to pursue a science or math related degree in college. This class is a required prerequisite for AP Chemistry (Chemistry cannot replace Honors Chemistry to meet this criteria). Much emphasis is placed on the quantitative aspects of chemistry and the ongoing development of the ability to think critically and logically. This course is rapid-paced and demands that the student has well developed independent study skills. Students are expected to spend a minimum of five hours per week in individual study outside of the classroom.

Students are required to produce computer generated lab reports and writing assignments throughout the duration of the course. Topics such as quantum theory, chemical formulas, equations, and reactions, stoichiometry, gasses, and bonding are explored.

Prerequisite: A teacher recommendation from the students Honors Biology teacher along with a recommended grade of 87% or better in Honors Biology & Honors Algebra II.

Environmental Science (5444)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11- 12 LENGTH: Full Year

This 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.

AP Environmental Science (4114)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 11- 12 LENGTH: Full Year

The AP Environmental Science course is designed to engage students with the scientific 46 principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. Students are required to take the Advanced Placement examination in May.

Prerequisite: Completion of Biology & Chemistry. Admission to the AP program is based on the AP enrollment procedures and a recommended grade of 87% or above in a previous department subject.

Physics (4212)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11- 12 LENGTH: Full Year

The physics elective is a college preparatory course consisting of introductory consideration of mechanics, properties of matter, waves, and electricity/magnetism. Due to the emphasis on quantitative study, students should have successfully completed or be concurrently enrolled in trigonometry to elect this course.

Prerequisite: Trigonometry

Ecology (5443)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9- 12 LENGTH: 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 interacts with each of the other spheres. Environmental science pairs with this course to provide insight into how humans affect these spheres.

Introduction to Anatomy and Physiology (5440)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10-12 LENGTH: 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 healthcare profession by providing a basic overview of vocabulary and purpose for body systems and parts.

Prerequisite: Successful completion of Biology.

Anatomy and Physiology (4118)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10-12 LENGTH: Full Year

Anatomy/Physiology is organized around the basic structure and function of the human body. The course will cover an introduction to human anatomy and physiology, an overview of tissues, and an in-depth study of the eleven systems of the body. Laboratories and dissections will illustrate the concepts presented during lectures. During the course, students will complete projects. Laboratory reports and writing/analysis assignments.

Astronomy (5488)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: 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.

Global Science (5450)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: 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.

Forensic Science (5470)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course is an overview of modern-day forensic science careers at work using science concepts to collect and analyze evidence. Modern-day forensic science practices exist because of the contribution of science and legal professions seeking ways to study crime scenes and criminal activities. This course will touch on some of the various applications of medicine in the field of forensic science. It will focus on the collection, identification and laboratory techniques of crime scene evidence. Emphasis will be placed on the methods that link the suspect, victim, and crime scene. This course identifies science concepts and critical thinking in the area of forensic science.

Health Science A (5451)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10-12 LENGTH: 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.

Health Science B (5452)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10-12 LENGTH: 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: Completion of Health Science A

Animal Systems (5446)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

The role of animals in civilization has an ancient history, and this role is just as important today. For example, pigs have been domesticated in China for thousands of years and are still vital to our lifestyle today. What are their preferences for habitat and treatment, and what are their social and reproductive habits? Animals today are used for clothing, food, transportation,

agriculture, herding, companionship, guide assistance, and crime fighting, and research continues to reveal new uses. As our scientific understanding of animal systems grows, so do our best practices, ethical considerations, and research applications. How mankind treats animals impacts their well-being and productivity. This course provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. This course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. How research translates to management practices is a vital area of study and discussion.

Plant Systems (5449)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

Plant Systems is a course that introduces students to the basics of plant biology, soil science, agriculture, and horticulture. Students will study the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students will learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented.

Social Studies and History

American Studies (2209)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9 LENGTH: Full Year

The 9th Grade American Studies course is a social, political, cultural, and intellectual inquiry of United States history. The primary goal is for the students to gain a comprehensive understanding of our national history in relation to the entire world. Students will be exposed to the pageant of history through a variety of teaching-learning methods and activities that include the utilization of technology and the investigation of primary historical documents, images, and artifacts. Students will build logic and reasoning skills, research and information gathering skills, presentation and debate skills, and an understanding of the pluralistic nature of society, as well as our common American heritage.

AP United States History (5247)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 11-12 LENGTH: Full Year

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and

utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Prerequisite: An 87% or greater in any previous history subject.

World Studies (2210)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 10 LENGTH: Full Year

World Studies is a course in which students examine world history from the beginning of time through the French Revolution. Students will examine the major events, movements, people, and issues which have shaped the world. Included are an analysis of Prehistory, Fertile River Valley Civilizations, Ancient Civilizations, Ancient Greece, Ancient Rome, The Byzantine Empires, the Middle Ages, Global Exploration, the Renaissance, the Protestant Reformation, the Enlightenment, and the French Revolution. Students will acquire an understanding of the forces shaping the world in which they live. Students use reading and writing strategies, analyze primary and secondary source material, use research and information skills, and actively engage in evaluation, analysis, and synthesis of historical events.

AP Modern World History (5237)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 10 LENGTH: Full Year

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Prerequisite: An 87% or greater in American Studies.

American Government (2211)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Semester

The primary goal of the American government course is for the students to gain a comprehensive understanding of the structure, function, and relevance of American Government and politics. Students will explore the American Government through a variety of teaching-learning methods and activities that include the utilization of technology and the investigation of primary historical documents, and images. Students will build logic and reasoning skills, research and information gathering skills, and presentation and debate skills. Students will gain an understanding of the origins, philosophy, structure, functions and processes of the American political and legal systems that are necessary for

productive citizenship. *This course is required to graduate. This course can be replaced by AP United States Government and Politics.

AP US Government and Politics (2111)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Full Year

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. The concepts of constitutionalism, federalism, civil liberties, and civil rights will be emphasized. Students will study U.S. foundational documents, Supreme Court decisions and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. Students will also engage in disciplinary practices that require them to read and interpret data and primary documents, make comparisons and applications, and develop evidence-based arguments. *This course will fulfill the graduation requirement of *American Government*.

Prerequisite: 87% or greater in previous history subject.

Economics (5248)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Semester

Economics is designed to introduce the students to the basic economic principles and theories. Emphasis will be placed on American capitalism and how it functions. Some of the selected topics will be: cost analysis, supply and demand in price setting, business organizations and their structures, and an in-depth analysis of competition, monopoly, monopolistic competition, and oligopoly. Students will be expected to interpret and construct graphs, charts, and tables and to analyze statistical information to formulate a conclusion. *This course is required to graduate.

Criminology (5279)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

Life in the twenty-first century would not be possible without police officers, paramedics, firefighters, attorneys, corrections officers or security guards. In this course, students will learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. Besides learning about the training and educational requirements for these careers, students will explore the history of these fields and how they developed to their current state.

Law and Justice (6034)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Semester

The Law and Justice course will provide students with an overview of the system of laws in the United States and the practice areas and career options in the field. Students will learn about how the legal system operates to control how society punishes those who commit crimes and

settles disputes, as well as how criminal and civil cases reach court and are resolved. They will learn about the courtroom and the basics of a typical court case. Students will learn about constitutional rights and legal safeguards, as well as how technology has changed the practice of law. They will also learn about legal education and careers in law for attorneys and non-attorneys with an interest in the field.

Current Issues (2513)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: 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.

Introduction to Psychology (6025)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 10-12 LENGTH: Semester

Introduction to Psychology is designed to examine the complex nature of human behavior and relate it back to the most significant subject matter, you! The major areas of study will include, but are not limited to, methods in psychology, biopsychology, sensation and perception, learning principles, development, personality and clinical psychology. Throughout each of these units, we will explore characteristics of human flourishing, life satisfaction and mental well-being. By doing this, students will learn evidence-based skills and strategies they may put into real-world practice to help them thrive.

AP Psychology (2116)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 10-12 LENGTH: Full Year

AP Psychology introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

Prerequisite: 87% or greater in a previous history course.

Geography (5271)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: 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.

AP US Government and Politics (5258)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 11-12 LENGTH: Full Year

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. The concepts of constitutionalism, federalism, civil liberties, and civil rights will be emphasized. Students will study U.S. foundational documents, Supreme Court decisions and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. Students will also engage in disciplinary practices that require them to read and interpret data and primary documents, make comparisons and applications, and develop evidence-based arguments.

*This course will fulfill the graduation requirement of American Government.

Prerequisite: 87% or greater in a prerequisite history course

AP Human Geography (5276)

CREDIT: 1 HOURS PER WEEK: 3.5

GRADE(S): 11-12 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.

Prerequisite: An 87% or higher in a previous history course.

World War II Historical Events (5287)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11-12 LENGTH: Semester

By taking this course, it can be a replacement for US History 3. It's a war that never ends – cinematically speaking, that is. In this online course, students will focus on the relationship between World War II movies and history while stimulating media awareness and critical viewing skills as well as analyzing and interpreting historical events through feature films. The course will cover the major themes of World War II and a variety of films will be used. Students will analyze the entertainment value of the film versus the informational value. Within the course, students will analyze clips from the film and discuss how the film portrays the events of

the time period. Propaganda films and the influence of Walt Disney will be discussed. Students will also have the opportunity to analyze films independently and reflect on the films of their choice.

Careers

Financial Literacy (6512)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 11 LENGTH: Semester

This course provides instruction in two vital areas to meet state requirements for both Career Education and Work readiness as well as Personal Finance skills. Students will hone valuable skills in everyday communication, effective study habits, and time management. They will create, follow, and refine a post-high school plan and curate artifacts that meet graduation requirements. Additionally, through the personal finance component of the course, students will learn money skills and enhance awareness of opportunities in our financial systems. They will investigate the stock market, investments, credit, and taxes. Projects will encourage students to handle future finances including basic banking, budgets, and bill paying as well as renting/buying property.

Note: This course is a required class for all 11th graders. Students MUST pass.

Leadership and Career Development (5641)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: 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.

Food Safety and Sanitation (5448)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This comprehensive course will cover the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. This course will provide a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students will be prepared to meet the requirements of state and national certification

exams.

Introduction to Healthcare Careers [Certifications/Associate's] (5726)

CREDIT: 0.5 HOURS PER WEEK: 2.5
GRADE(S): 9-12 LENGTH: Semester

This course is an overview of careers in the healthcare field that require either a certification or an Associate's degree, and the overriding principles central to those professions. Students will have several opportunities to learn about the expanding scope of professional practice for various medical and personal care certifications. When students complete the course, they will be able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices. These career options typically require less than four years of post-secondary education/training.

Cyber Security (9014)

CREDIT: 0.5 HOURS PER WEEK: 2.5
GRADE(S): 9-12 LENGTH: Semester

This course provides a comprehensive introduction to the fundamental concept of computer systems, networking, and cybersecurity. Students will gain practical knowledge of computer hardware, operating system configuration, networking basics, security principles, internet usage, and system maintenance. Through hands-on activities, quizzes, and projects, students will develop the skills needed to understand and navigate the digital world, with a focus on security awareness. This course lays the groundwork for further exploration into more advanced cyber security topics.

Fire and Emergency Services (5290)

CREDIT: 0.5 HOURS PER WEEK: 2.5
GRADE(S): 9-12 LENGTH: Semester

Emergency and fire-management services are essential infrastructure components of a community. They provide a resource for dealing with numerous types of emergencies, including fires, motor vehicle, and industrial accidents, and medical emergencies. In addition, these services provide fire prevention and community-outreach programs. This course provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students will understand the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Finally, the course also provides students with an overview of large-scale emergency incidents that overwhelm local agencies. Various preparedness plans are discussed. In the end, students will have been exposed to the typical characteristics and framework of modern emergency- and fire-management organizations and will have a better understanding of a career in this field.

Travel and Tourism (5661)

CREDIT: 0.5 HOURS PER WEEK: 2.5
GRADE(S): 9 - 12 LENGTH: One semester

Students will learn about the various parts of the travel and tourism industry and how they are interrelated and integral to international and domestic travel and tourism. This will include travel agencies, tour companies, the airlines and other transportation sectors, lodging facilities, cruise lines, and marketing companies.

Planning Meetings and Special Events (5664)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

This course is an introduction to the study of planning meetings and special events. Being a meeting and special events planner is both demanding and rewarding. A meeting coordinator is responsible for every detail of an event, and planners must know how to communicate, be empathetic, and think of their clients. You'll begin with an historical overview of the industry, then move to how to organize a meeting, how to set up food and beverages, and finally, how to organize transportation.

Introduction to Careers in Education and Training (5192)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

This course will introduce students to the field of education and training, and the opportunities available for early-childhood care, primary school, secondary school, higher education, vocational training and adult and continuing education. It provides a thorough exploration of pedagogy, curriculum, standards, and practices, and the psychological factors shown by the research to affect learners. Students will gain an understanding of the career options available in teaching and support services. They will also explore education and background experience needed to succeed in these careers.

Introduction to Medical Careers [Doctoral Programs] (5725)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course is an overview of careers in the medical degree field and the overriding principles central to those professions. Students will have several opportunities to learn about the expanding scope of professional practice for various medical degrees. When students complete the course, they will be able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices. These career options typically require four or more years of post-secondary education. Careers discussed will include medical doctors, pharmacists, dentists, veterinarians and other doctors.

Introduction to Nursing Careers (5725)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course provides students opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing. Students will also explore the growing number of opportunities for professional advancement given the proper preparation and experience. Students will have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the

important changes proposed in the education and ongoing professional development of nurses.

Introduction to Food Systems (5774)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course explores the history and evolution of food products, along with the processing methods that have arisen to feed an ever-growing world population. Students will investigate the economic, environmental, and nutritional benefits of the food students are eating in a series of projects that supplement the studies and assessments. Health concerns and best practices in quality assurance, inspections, and labeling are reviewed. The course prepares students for a variety of possible educational and career pathways in the food industry. Students learn industry terminology in each area of the overall system, from “farm to fork” to vertical integration to smart packaging.

Introduction to Human Growth and Development (5728)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course is for students who have a desire to help others, but are unsure of a specific path. This could include teachers, medical careers, counseling, etc. We focus on human growth and development over a lifespan. This is important as it gives a student a background in human growth and development from birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed.

Introduction to Social Work and Human Services Careers (5729)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course introduces students to the possibilities for careers in social work and human service professions. Through anecdotes, lessons, and a variety of assignments and projects, students will learn about the broad variety of jobs available in human services. Students will learn exactly what the human services are and the ethics and philosophies of the helping professions. Students will study the impact of the cultural, social and economic environment on individual people, especially those who need social services assistance.

Introduction to Therapy-Based Careers (5738)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapy, occupational therapy, athletic training, dietetics, art therapy, neurotherapy and registered dental hygiene. Each career is explored in depth examining typical job duties, education requirements and working conditions. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to therapy-based careers.

Introduction to Promoting Human Health Careers (5739)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

In this course, we discuss the multiple definitions of public health and the ways that these definitions are put into practice. We explore the five core disciplines (Behavioral Science/Health Education, Biostatistics, Environmental Health, Epidemiology and Health Services Administration) and the ways they interact to reduce disease, injury and death in populations. Also included is the connection between the Center for Disease Control (CDC) and World Health Organization (WHO) and their impact on promoting human health.

Travel and Tourism (6050)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

Students will learn about the various parts of the travel and tourism industry and how they are interrelated and integral to international and domestic travel and tourism. This will include travel agencies, tour companies, the airlines and other transportation sectors, lodging facilities, cruise lines, and marketing companies.

Physical Education

Wellness and Health 1 (0309)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course introduces key health and wellness concepts, including physical fitness, disease prevention, relationship skills, safety, and substance awareness. Students will explore topics such as exercise principles, disease impact, healthy relationships, and substance abuse risks. The course also covers conflict resolution, decision-making, and safe driving habits, promoting a substance-free lifestyle. It aims to equip students with the knowledge and skills to make informed decisions for a healthy, balanced life.

Wellness and Health 2 (6051)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

Building on Wellness & Health 1, this course focuses on lifelong fitness and informed health decisions. Students will design personalized fitness plans, explore the link between nutrition and health, and examine the impact of fitness on community well-being. Topics include healthcare systems, environmental health, first aid, safe driving, conflict resolution, and gang violence. The course emphasizes setting healthy goals, muscular and cardiorespiratory fitness, and healthy body composition, encouraging a proactive approach to health and wellness through instruction, assignments, and projects.

Wellness and Health 3 (6053)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course covers advanced health topics, focusing on nutrition, substance awareness, sexual health, and community well-being, while integrating sports and fitness principles. Students will learn to develop personalized dietary plans, understand the impact of nutrition and fitness on health, and explore the dangers of alcohol, tobacco, and drugs. The course also covers sexual health, healthcare systems, environmental health, and safety. The fitness component includes sports participation, injury prevention, and flexibility. Through instruction, assignments, and projects, students will gain the knowledge to make informed health decisions and promote an active lifestyle.

Wellness and Health 4 (6054)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Semester

This course covers advanced health and wellness topics, focusing on mental and emotional well-being, fitness, and responsible decision-making. Students will learn to manage mental health, cope with grief, depression, and suicide, and access community resources. The course explores building healthy relationships, peer dynamics, and safety topics like injury prevention, safe driving, and conflict resolution. It also addresses gang violence, sexual harassment, and the principles of team and individual sports, lifelong fitness, and wellness careers. Students will learn to make informed decisions about health services and consumer issues, preparing them for a balanced, healthy adulthood.

World Languages

Spanish 1 (5109)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Spanish 2 (5110)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Prerequisite: Completion of Spanish 1

Spanish 3 (5111)

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.

Prerequisite: Completion of Spanish 1 and 2

Spanish 4 (5112)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Prerequisite: Completion of Spanish 1, 2, and 3

AP Spanish Language and Culture (5548)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Prerequisites: Completion of Spanish 1-4 with final grades of 87% or higher.

German 1 (5209)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Full Year

This course is designed for students who are beginning their language study. They are introduced to the basic language skills of listening, speaking, reading and writing. Students will make connections between their culture and the target cultures. At the end of the course, placement into the following level is based upon teacher approval and a grade of 70% or better.

German 2 (5210)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Full Year

This course builds upon the skills introduced in German 1. It encourages students to communicate through a wider variety of listening, speaking, reading, and writing activities. New grammar structures and topical vocabulary are introduced that build upon prior knowledge and skills. Throughout, students are encouraged to compare and contrast their own culture with target cultures.

Prerequisite: Completion of German 1

French 1 (6003)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Full Year

This course is designed for students who are beginning their language study. It introduces them to the basic language skills of listening, speaking, reading and writing in the context of a variety of authentic themes and topics. Students will make connections between their culture and the target cultures.

Latin 1 (5550)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Latin 2 (5551)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 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.

Prerequisite: Completion of Latin 1

Mandarin Chinese 1 (5560)

CREDIT: 1 HOURS PER WEEK: 2.5

GRADE(S): 9-12 LENGTH: Full Year

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.

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.

Prerequisite: Completion of Mandarin 1

Study Skills

Study Skills (0000)

CREDIT: 0.5 HOURS PER WEEK: 2.5

GRADE(S): 9 - 12 LENGTH: One semester

This comprehensive Study Skills course empowers students to achieve academic excellence in both traditional and online settings. Students will learn to cultivate motivation, evaluate study habits, set goals, and navigate online learning with integrity, mastering note-taking and advanced memorization techniques like repetition and rhyming. The course provides a structured five-step approach to test preparation, effective test-taking strategies, time management through calendar use, and advanced reading techniques. Through direct instruction, practical journal exercises, and quizzes, students will develop the skills and confidence to excel in their academic pursuits.

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 who want to explore varying strategies for success. The course covers important study skills topics such as time management, note-taking, test preparation, benefits of visual aids, types of motivation, and strategies for remembering key information. Within the course, students complete real-world activities to further enhance reading techniques and general learning.