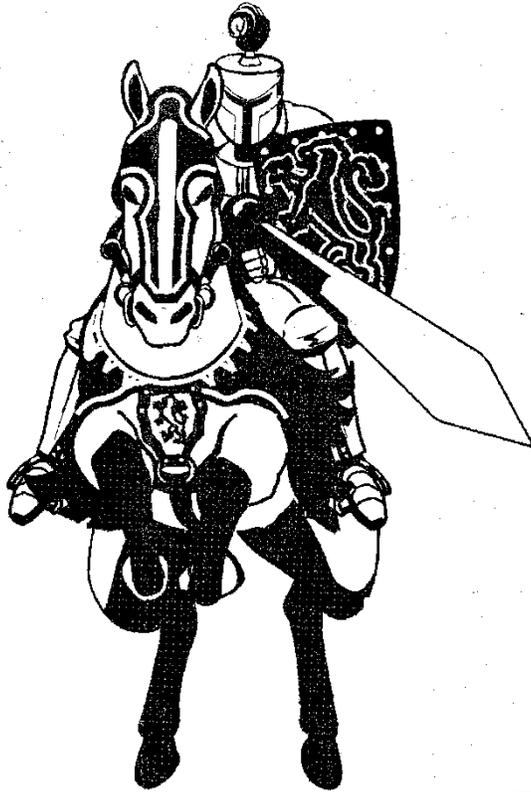


Preston High School

Commitment to Quality Education and Success



Curriculum Guide

Revised January 2021

***Dual credit attendance policy:** Since these classes count as both high school and college credit a strict attendance policy has been adopted. Students may not miss more than 12 classes a year, 6 each semester. Exceptions may be made for school-approved activities documented with a note. After a student has missed 6 classes, a meeting will include the student, parents, teacher, administrator, and possibly a representative from Pierpont, where the absences will be discussed and a course of action decided upon.

***Simulated Workplace:** Attendance is required for these courses. Contracts and parent meetings will be required if necessary. Loss of credit for these courses, or exclusion from CTE programs could occur if attendance becomes an issue.

ENGLISH/LANGUAGE ARTS

Students will focus on literary, information and communication skills through integration of learning skills and technology tools as part of their high school experience. The academic resume is part of this curriculum. Honors classes will require additional course work.

Throughout all English courses, students will be prepared for the new, state mandated SAT test.

ENGLISH 9

Ninth-graders can expect to read selected literature to develop an appreciation for a personal enjoyment of different types of writings as well as to improve reading skills. Students will also be expected to write descriptive sentences and paragraphs to be used in a variety of writing exercises that may include essays, short stories, poems, academic resume, and reports. Punctuation, capitalization, spelling, vocabulary, grammar, and sentence structure will be studied in conjunction with personal needs of the students. Speaking skills will also be introduced. The use of the library and reference materials and technology will be a part of the curriculum. The students will also prepare an Academic Resume.

Course Number: 400900
Grade Level: 9

ENGLISH 9 HONORS

This course emphasizes critical thinking skills, develops and refines writing skills needed for post-secondary education, and broadens the scope of the student's reading. Students will read selected literature to develop an appreciation for a personal enjoyment of different types of writings as well as to improve reading skills. Students will write short stories, poems, reports, and an academic resume. Punctuation, capitalization, spelling, vocabulary, grammar, and sentence structure will be studied in conjunction with the personal needs of the students. Speaking skills, including the preparation of class projects and research, will be an integral part of the curriculum. Using library and reference materials and correct citing of sources used will be part of the curriculum. Use of technology as applicable for communication and presentation will be incorporated. Some independent work will be required beyond the school day.

Course Number: 40090H
Grade Level: 9
Pre-requisite: At or above grade level on iReady If scores are not met, an application must be completed.

ENGLISH 10

English 10 includes a review of language skills and an understanding of literature which will prepare students to meet the demands of junior and senior English. This course requires competency in grammar, spelling, usage, vocabulary, composition, reference skills, and basic speech. Listening skills and a survey of literature will also be included. The student will create/update his/her Academic Resume

Course Number: 401000

Grade Level: 10
Pre-requisite: English 9

ENGLISH 10 HONORS

In addition to what is covered in English 10, the Honors class emphasizes vocabulary development and broadens the scope of student reading. Students will refine their writing skills to meet the needs of post-secondary education, give oral presentations, and complete out-of-class reading. Introduction of literary analysis and language skills is designed to enhance student background and sharpen critical and analytical thinking skills. Student projects are mandatory. Students will prepare for the state writing assessment.

Course Number: 40100H
Grade Level: 10
Pre-requisite: Recommendation of at least a B in English 9

ENGLISH 11

In this course, the student will experience all facets of the language arts: reading, writing, and listening. Reading skills will be developed by reading periodicals, novels, short stories, plays, and poems. The focus of the literature program will be on American literature. Students will be expected to learn to communicate their ideas effectively through clear and well organized writing. Correct usage, vocabulary, and communication skills will be emphasized. The student will complete a research project and paper.

Course Number: 401100
Grade Level: 11
Pre-requisite: English 10

ENGLISH 11 HONORS

This course emphasizes critical thinking and writing skills that are essential to post-secondary education. Course work involves analysis, synthesis, and evaluation of American literature, as well as the completion of one or more research projects.

Course Number: 40110H
Grade Level: 11
Pre-requisite: Recommendation of at least a "B" in English 10 Honors.

ENGLISH 12

English 12 emphasizes the refinement in all phases of the language arts program. The English literature program will offer the students an opportunity to read a variety of works.

This course will also emphasize functional writing to prepare students for their future occupations, a study of vocabulary and spelling, grammar and usage, speaking skills, and basic research skills. The student will create/update his/her Academic Resume.

Course Number: 401200
Grade Level: 12
Pre-requisite: English 11

ENGLISH 104 (3 hours PCTC Credit)

This course is taught in conjunction with Pierpont Community and Technical College which prescribes the English 104 Expository Composition and Rhetoric Syllabus. Different essay patterns are studied, and students compose original essays according to each pattern. The thinking, reading, and writing skills necessary for clear and objective essay writing are essential for admission to and successful completion of this course.

Students must buy textbooks and pay a course registration fee.

Currently, passing grades in this course will transfer to all other state-funded West Virginia colleges and universities. The grade must be a C or above. It might transfer to a private or out-of-state college, but the student should contact his/her college-of-choice beforehand because not all schools will accept another school's credit. In all cases, the student must initiate the transfer of this credit; it is not done by the PHS Guidance Department or administration. This course may be taken in place of English 12.

Course Number: 40120X
Grade Level: 12
Pre-requisite: ACT– 18 in English, 480 Reading on SAT, or COMPASS score of 70 in English; and 3.0 GPA

AP LITERATURE AND COMPOSITION

In this course, students will read, analyze, and respond to imaginative American, British, and World literature from the 16th to the 20th century by a variety of means including class discussions, literature circles, fishbowl activities, research projects, and by formal and informal writing. In addition, grammar, syntax, and vocabulary will be built upon as we write. The culminating assignment at the end of the year is the Advanced Placement exam given in May, and everyone enrolled in the course is *encouraged* to take the exam. A grade of 4 or 5 on this exam is considered equivalent to a 3.3 -4.0 for comparable courses at the college level. A grade of 3 or above on the exam will be granted college credit at most colleges and universities statewide and throughout the United States.

Course Number: 404200
Grade Level: 11-12
Pre-requisite: Recommend a 3.0 gpa

AP LANGUAGE

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts from a range of disciplines and historical periods.

Course Number: 404100
Grade Level: 11-12
Pre-requisite: Recommend a 3.0 gpa

TECHNICAL ENGLISH LANGUAGE ARTS 12

This course helps prepare students for life after high school by providing real-world application of English skills in the student's area of career choice as a collaborative effort of their CTE instructor. Learning focuses on technical reading and writing, teamwork skills, pre-employment skills, content vocabulary, and effective workplace communication. In order to prepare for gainful employment following graduation, This course may not be approved by colleges or NCAA.

Course Number: 401700

Grade Level: 12
Pre-requisite: English 11

CREATIVE WRITING I

This course is designed for students interested in developing specialized skills in written expression. Creative writing consists of four major units: short story, non-fiction, historical fiction, and drama. Students are required to keep a journal of their original works. Essentials of good composition (content, form, style, mechanics, and usage) are stressed on all assignments. Students are required to share their writing informally in class and formally through school publications and writing contests. Elective course only. Open to all interested.

Course Number: 402200
Grade Level: 10-12
Pre-requisite: None

CREATIVE WRITING II

This course is an extension of Creative Writing I in that students expand on works from the first class and are given the option of independently pursuing a writing area of choice (including novel writing). Students may be expected to compile and edit a literary publication in addition to sharing their writing informally in class and formally through school publications and writing contests. Requirement: completion of Creative Writing I with a C or better.

Course Number: 402300
Grade Level: 11-12
Pre-requisite: C or better in Creative Writing I

JOURNALISM

In this course students learn to identify and apply the fundamentals of reading a newspaper critically and to gather and write news stories, feature columns, editorials, sports stories, advertisements and learn the skills of marketing and public relations. Basic principles in layout and graphic design are also introduced and photography will be integral to both semesters. Completion of this course prepares the student to apply for a position in yearbook II, journalism II (print), or journalism III (broadcast). Elective course only. Open to all interested.

Course Number: 405100
Grade Level: 9-12

JOURNALISM II (PRINT)

This lab-based elective is for students who wish to contribute their talents in publishing journalistic style writing/print media for the school and community through real-world media partnerships. Students will receive continued instruction in interviewing, photography, marketing, advertising, public relations, writing, design, and desktop publishing. Working as a member of a team, staff members develop life skills in communication, leadership, time management, project management, problem solving, writing, photography, team building, conflict resolution, and public speaking.

Course Number: 405200
Grade level: 10-12

JOURNALISM III (BROADCAST)

This lab-based elective is for students who wish to contribute their talents in journalistic style writing for audio and video broadcast. Content includes: (1) writing for TV and video production; (2) producing and directing TV and video segments; (3) editing production; and, (4) use of special production equipment. Students must be willing to appear on air for audio and video broadcasts throughout the school and community through real-world media partnerships. Students will receive continued instruction in interviewing, photography, marketing,

advertising, public relations, writing, design, and desktop publishing. Working as a member of a team, staff members develop life skills in communication, leadership, time management, project management, problem solving, writing, photography, team building, conflict resolution, and public speaking

Course Number: 406100
Grade Level: 10-12

YEARBOOK I

This course is designed to help students study the art and techniques of preserving the school's history through the use of pictures and words. The first semester covers mass media in general. The second semester is devoted to yearbook journalism, including layout design, writing, interviewing, desktop publishing, marketing, advertising, and public relations, etc. Photography will be integral to both semesters. Completion of this course prepares the student to apply for a position on the yearbook staff

Course Number: 407100
Grade Level: 10-12

YEARBOOK II

This lab-based course is for students who wish to contribute their talents in publishing the school's yearbook. Students will receive continued instruction in interviewing, photography, marketing, writing, design, and desktop publishing to enhance the yearbook, The Legacy. Working as a member of a team, staff members develop life skills in communication, leadership, time management, project management, problem solving, writing, photography, team building, conflict resolution, and public speaking.

Course Number: 407200
Grade Level: 11-12

READING SUPPORT

Reading support is designed to help close the gap for students performing below grade level. Students enrolled in the course will receive specific targeted academic support in reading to help them improve their reading skills. The topics covered in this course will focus primarily on bridging the gap in students' reading skills. Topics covered in the class can range from: Phonemic Awareness, Phonics, Fluency, Vocabulary, Comprehension, and Spelling.

Course Number: 481000
Grade Level: 9
Pre-requisites: Students will be placed in this course who are performing below grade level

MATHEMATICS

ALGEBRA SUPPORT

This course is designed to develop algebraic concepts applicable in the work place as in traditional areas. Topics include using a scientific calculator, problem solving techniques, estimating, measuring, using graphs, using charts, using tables, signed numbers, scientific notation, powers, roots, formula, and linear equation.

Topics include real numbers, properties of equality, the Cartesian coordinate system, exponents, field properties, order of operations, polynomials, solving and graphing linear equations, solving and graphing nonlinear equations, statistics, probability, factoring, functions, quadratics, and systems of equations. Students will take Algebra I concurrently with this course.

Course Number: 306000
Grade Level: 9
Pre-requisite: Students will be placed based on Summative Assessment scores and iReady scores.

ALGEBRA I

Algebraic concepts are used to represent situations using variable quantities with expressions, equations, and inequalities. Algebraic generalizations and concepts at an abstract level are introduced. Skills are developed in solving equations, graphing, factoring, and using algebraic methods as a problem solving tool. Topics include real numbers, properties of equality, the Cartesian coordinate system, exponents, field properties, order of operations, polynomials, solving and graphing linear equations, solving and graphing nonlinear equations, statistics, probability, factoring, functions, quadratics, and systems of equations.

Course Number: 306101
Grade Level: 9-10
Pre-requisite: satisfactory Summative Assessment and iReady scores

GEOMETRY

Geometry includes the interpretation and drawing of two- and three-dimensional objects, the representation of problem situations with geometric models, classifications and application of figures in terms of congruence and similarity. Properties and relationships between figures will develop an understanding of the axiomatic system through investigation and comparison. It should maintain previously learned algebraic skills, develop logic, and develop deductive and induction reasoning skills.

Course Number: 306200
Grade Level: 9-12
Pre-requisite: Algebra I

GEOMETRY HONORS

In addition to the standard geometry topics, geometry honors will be distinguished by more in-depth discussion and reasoning of materials with less review from previous classes. The class will include work with mathematical proofs based on logical processes and the application of more complex mathematical theorems. The class engages in critical thinking and problem solving in order to provide explanations of the standard geometry topics.

Course Number: 30620H
Grade Level: 9-10
Pre-requisite: Recommend at least a B in Algebra I; Current 8th graders: Must have been at or above grade level on iReady. If scores are not met, an application must be completed.

ALGEBRA II

This area of study is an extension of the Algebra I program with emphasis on understanding and use of algebraic structure and techniques. It includes quadratic equations, complex numbers, systems of equations, inequalities, absolute value, matrices, determinants, types of variation, and rational expressions. Graphing calculators are integral for instruction.

Course Number: 306300
Grade Level: 10-12
Pre-requisite: Algebra I and Geometry

ALGEBRA II HONORS

In addition to the regular Algebra II topics, Algebra II Honors will be distinguished by fewer, yet more challenging student exercises, and less time spent on review of previously learned concepts. The class will include, as time permits, theory of

matrices, rules of determinants, using matrix algebra, number theory, graph theory, sequences, inverses, and exponential and logarithmic functions. The graphing calculator will be used extensively.

Course Number: 30630H
Grade Level: 10-11
Pre-requisite: Algebra, Geometry with "B" average

AP STATISTICS

AP Statistics is a rigorous course providing students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They'll learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The equivalent of an intermediate college-level course, AP Statistics prepares students for the AP exam and for further study in science, sociology, medicine, engineering, political science, geography, and business.

Course Number: 303300
Grade Level: 11-12
Pre-requisite: Application; at least a B in Algebra II

TRIGONOMETRY/PRE-CALCULUS

Pre-calculus/Trigonometry is intended for those students who have mastered the concepts of Algebra and Geometry. It will extend the student's knowledge of functions and of graphing techniques, and will serve as a preparation course for calculus. Available technology will be used by students to enhance learning and to verify equations and inequalities. Students will investigate functions and their inverses, sequences and series, proof by induction, solutions to and graphing of polynomials, and will solve application problems.

Connections between right triangle trigonometry and circular functions should be emphasized. Graphing utilities such as calculators and computers will be used to enhance learning and to aid in finding the values of trigonometric functions and their inverses.

Course Number: 306400
Grade Level: 11
Pre-requisite: Algebra II

TRIGONOMETRY/PRE-CALCULUS HONORS

In addition to the regular Trigonometry/Pre-Calculus topics, Honors will be distinguished by fewer, yet more challenging student exercises, and less time spent on review of previously learned concepts.

Course Number: 30640H
Grade Level: 11
Pre-requisite: Recommend at least a B in Algebra II

AP CALCULUS AB

AP Calculus should be offered to students who have completed a college-preparatory sequence including Pre-Calculus/Trigonometry before their senior year. The course description of AP Calculus AB is set by the College Board and should be used for the calculus curriculum. AP Calculus AB is a college-level mathematics course for which most colleges grant credit upon satisfactory completion of the AP exam.

Course Number: 303100
Grade Level: 11-12
Pre-requisite: Pre-Calculus/Trigonometry

WvEB ALGEBRA/ALGEBRA III & WvEB TRIGONOMETRY

WvEb Algebra is a college level web enhance course taught in

conjunction with WVU. The goals of this course is to allow Algebra credit through WVU, transferable to most colleges in addition to high school credit. WvEB Algebra transfers to WVU as 126 and WvEB Trig transfers to WVU as 128

Approximate student costs will be \$210 for textbook and tuition.

Course Number: 30515X and 30485X
Grade Level: 11-12
Pre-requisite: GPA 3.0 and satisfactory score on WVU placement test.

TRANSITION MATH FOR SENIORS

The objectives for this course are arranged in three areas: Algebra I, Algebra II, Geometry, and Trigonometry.

Course Number: 305200
Grade Level: 12
Pre-requisite: For college bound students not meeting the college readiness benchmark in mathematics.

TECHNICAL TRANSITIONS MATH 12

This course is for students with career goals involving occupations in technical fields that do not require the application of calculus, advanced algebraic, or advanced statistical skills. This course emphasizes the application of mathematics within career settings. This course focuses on developing mathematical maturity and college readiness through problem solving, and project-based learning, critical thinking, data analysis, and the writing and communication of mathematics while using technology. The instruction should emphasize the connections between concepts being taught within their CTE courses, whenever possible.

This course may NOT be approved by colleges or NCAA.

Course Number: 306900
Grade Level: 12
Pre-requisite: Algebra II

COMPUTER SCIENCE AND MATHEMATICS

This introduction to programming course is designed to provide students with the opportunity to explore the uses of mathematics and computer programming as tools in creating effective solutions to complex problems. Students will develop and refine fundamental skills of computer science within a mathematical context. Throughout the course, students will use developmentally appropriate and accurate terminology when communicating about technology.

This is a demanding course in which an A/B average in Algebra and Geometry is recommended.

C++ coding will be included in the course.

Course Number: 316100
Grade Level: 11-12
Pre-requisite: Geometry

FINANCIAL ALGEBRA

Students in Financial Algebra/Mathematics will communicate effectively, using accurate mathematical language in a financial context. Students will interpret and analyze various functions, graphs and data in order to make responsible and wise financial decisions in the context of their personal lives regarding banking services, automobile purchases and maintenance decisions, income tax and employee benefits, and business decisions.

This course is counted as a math credit for high school graduation; however, it is NOT approved at the college level, or with NCAA.

Course Number: 302700
Grade Level: 12
Pre-requisite: Algebra 2

TEST PREP

This course is typically taught by a math teacher and is designed to familiarize students with tests required for admission by many universities. Students will learn test-taking strategies, review English, math, and science content, and take practice tests.

Course Number: 766100
Grade Level: 10-12

SCIENCE

EARTH & SPACE SCIENCE

This course is designed to develop an understanding of the Earth and its processes. It builds on the fundamentals of geology, oceanography, meteorology, and astronomy, and environmental issues. Students will engage in active inquiries, investigations, and hands-on activities.

Course Number: 620100
Grade Level: 9

EARTH & SPACE SCIENCE HONORS

This is an advanced course with increased rigor and expectations. Additional out of class projects will be assigned.

Course Number: 62010H
Grade Level: 9
Pre-requisite: application ONLY

BIOLOGY

Introductory course designed for students to develop a broad in depth study of biological concepts and content. Students will engage in active inquiries, investigations and hands on activities for a minimum of 50% of the time to develop conceptual understanding and laboratory skills.

Course Number: 602100
Grade Level: 10
Pre-requisites: Earth and Space

BIOLOGY HONORS

This is an accelerated introductory course, which covers basic concepts in biology in greater detail and at a faster pace. It is designed for the student who will be continuing a study of science, engineering, or health-related field in college, and who desire a broader, in-depth study of biology.

Course Number: 60210H
Grade Level: 10
Pre-requisite: Recommend at least a B in Earth & Space

AP BIOLOGY

This is the equivalent of the general Biology course taken during the freshman year in college. It is assumed that the student will spend at least five hours a week in unsupervised individual study, and will take the AP exam in May. This is a national exam administered by the College Board. College credit is earned based on the school on that exam.

Course Number: 612100
Grade Level: 11-12
Pre-requisite: Chemistry or taken concurrently

CHEMISTRY I

Emphasis is placed on the important role chemistry plays in a student's personal life, environment, and society. It covers basic concepts and skills, including measurement, atomic theory, chemical bonding, equations, and stoichiometry.

Course Number: 603100
Grade Level: 11-12
Pre-requisite: Biology

CHEMISTRY I HONORS

This is an accelerated introductory course, which covers basic concepts in chemistry in greater detail and at a faster pace. It is designed for the student who will be continuing a study of science, engineering, or health-related field in college, and who desire a broader, in-depth study of chemistry. The relationship between concepts and mathematics will be emphasized.

Course Number: 60310H
Grade Level: 11-12
Pre-requisite: Recommend at least a B in Biology

AP CHEMISTRY

This is the equivalent of the general chemistry course taken during the freshman year in college. It is assumed that the student will spend at least five hours a week in unsupervised individual study, and will take the AP exam in May. This is a national exam administered by the College Board. College credit earned varies from school to school.

Course Number: 632100
Grade Level: 12
Pre-requisite: Chemistry I Honors

PHYSICAL SCIENCE

This is an introductory course recommended for the student who needs an additional laboratory science but is NOT interested in pursuing a career in science, engineering, or health-related field.

This course examines the principles and relationships between chemistry, physics, earth science and astronomy. Subject matter is delivered through a coordinated, integrated approach with an emphasis on the development of the major science themes of systems, changes, and models. Appropriate material from each specialty will be incorporated into the teaching of each theme.

Course Number: 601100
Grade Level: 11-12

PHYSICS I

This is an alternative to traditional rigorous high school physics course, with emphasis placed on real-life applications of basic principles and the important role that physics plays in a student's career opportunities, environment, and society. Basic Algebra II and Trigonometry problem solving is emphasized. It is designed for the student who needs an additional laboratory science desiring a broader understanding of physics than that provided by earlier science courses. It covers basic concepts and skills, including scientific measurement, kinematics, dynamics, energy concepts, and momentum.

Course Number: 604100
Grade Level: 11-12
Pre-requisites: Algebra II; Biology

PHYSICS I HONORS

This is a traditional rigorous high school physics course designed for the student who will be continuing a study of science, engineering, or health related field in college. It covers basic concepts of physics in greater detail and at a faster pace. Advanced Algebra II and Trigonometry problem solving is emphasized.

Course Number: 60410H
Grade Level: 11-12
Pre-requisite: At least a B in Algebra II & Biology

AP PHYSICS C MECHANICS

This course is designed as the equivalent of an introductory level "calculus based" college physics course covering mechanics. It is recommended for students pursuing a career in science, engineering, or medical fields. Topics will include the continuance of: kinematics, Newton's laws of motion, work, energy, and power, systems of particles and linear momentum, circular motion and rotation, and oscillations and gravity. It is assumed that the student will spend at least 30 to 45 minutes per day as individual study for the course and that the student will take the AP Physics C Mechanics exam in May. College credit varies from school to school.

Course Number: 632500
Grade Level: 11-12
Pre-requisite: Physics and *currently* enrolled in AP Calculus

ANATOMY/PHYSIOLOGY

This course provides a detailed study of the structure and function of the systems of the human body. Topics include support and movement, communication, control integration, transportation, energy supply, waste excretion, reproduction and defense. Students will be expected to participate in the dissection of animals to compare their structures and functions to those of a the human body.

Dual credit option is available: This class is offered in conjunction with Pierpont Community and Technical College and will receive 4 hours of college credit.

Course Number: 610300/61030X
Grade Level: 11-12
Pre-requisite: recommend Chemistry or Chem Honors; 3.0 required for dual credit

FORENSICS

Students will demonstrate proficiency in evidence collection, interpretation, and analysis of collected data, maintenance of data integrity, formulation of a conclusion/summary, and presentations of the results. Some experiments include: fingerprint analysis, blood typing, photography/sketching of crime scene, DNA fingerprinting, hair & fiber analysis, chromatography, blood spatters, and toxins.

This course is designed as a science credit for students with an interest in crime scene investigation. Students in the criminal justice cluster are encouraged to take the course.

A **dual credit** option is available through Fairmont State University for 4 college hours. (FSU transfers it as FORS 2201). This activities-based course is designed to engage students in the scientific study of collecting and analyzing physical evidence.

Course Number: 604400 / 60440X
Grade Level: 11-12
Pre-requisite: Biology / Fees and 3.0 GPA for DC option

AP ENVIRONMENTAL SCIENCE

Explore and investigate the interrelationships of the natural world and analyze environmental problems, both natural and human-made. This will include biology concepts such as ecosystems and biodiversity. This will go further in-depth with natural resources such as land, water and energy. There will be some overlap with agriculture, Earth & Space, Biology and forestry classes. There will be laboratory investigations and field work. It is assumed that the student will spend at least five hours a week in unsupervised individual study and will take the AP exam in May. This is a national exam administrated by the College Board. College credit is earned based on the score on the exam.

Course Number: 622100
Grade Level: 11-12
Pre-requisite: Recommend at least a B in Biology

ASTRONOMY

Astronomy is an elective course in which many topics within astronomy in a project based learning environment. Topics such as development of the Universe as we see it today, our solar system, and the Earth-Moon system. Historical uses of astronomy are covered such as navigation, seasons, and agriculture as it pertains to the stars.

This course does not fulfill a required science course needed for graduation.

Course Number: 626200
Grade Level: 10-12
Pre-requisite: Earth Science

SOCIAL STUDIES

WORLD STUDIES TO 1900

This study of the world emphasizes the historic, economic, geographic, political, and social structure of various cultural regions of the world from the dawn of civilization to the interdependent world of the 20th century. Special attention is given to the formation and evolution of societies into complex political and economic systems. Geography/map skills and critical thinking skills are emphasized.

Course Number: 701000
Grade Level: 9

WORLD STUDIES TO 1900 HONORS

The Honors course, while covering the same objectives of the regular course, will add emphasis in the following areas. Students will be expected to demonstrate a deeper understanding of the historical and political concepts.

Students will explore the cause-effect relationship of these concepts and apply these understandings to present-day issues and situations. Students will demonstrate this higher level of thinking through research, written essay, and oral presentation. This is a transitional course of study between a standard presentation of history and a practical application of history. It should prepare the student for future honors work in history or other related fields.

Course Number: 70100H
Grade Level: 9
Pre-requisite: application ONLY

AP GEOGRAPHY

The purpose of this course is to introduce students to the Systemic study of patterns and processes that have shaped Human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to Examine human social organization and is environmental Consequences. Students will also learn about the methods and Tools geographers use in their science and practice.

Course Number: 704200
Grade level: 10-12

U.S. STUDIES TO 1900

This course encompasses a concentrated study of the United States from its inception until its emergence into world affairs. This is a transitional course of study between The World to the

Age of Exploration and the United States and World—20th Century. A review of the Renaissance and Reformation as a stimulus for western expansion introduces the year of study and is followed by the age of exploration.

As the course develops, social studies concepts such as colonialism, imperialism, and nationalism are common threads to the understanding that the unfolding chronological events are, in fact, a study in cause and effect. The transitional year concludes with the Industrial Revolution as a stimulus for imperialism and sets the stage for the emergence of the United States as a world power.

Course Number: 700900
Grade Level: 10
Pre-requisite: World Studies to 1900

U.S. STUDIES TO 1900 HONORS

The Honors course, while covering the same objectives of the regular course, will add emphasis in the following areas. Students will be expected to demonstrate a deeper understanding of the historical and political concepts. Students will explore the cause-effect relationship of these concepts and apply these understandings to present-day issues and situations. Students will demonstrate this higher level of thinking through research, written essays, and oral presentation. This is a transitional course of study between a standard presentation of history and a practical application of history. It is intended to prepare the student for future honors work in history or other related fields.

Course Number: 70090H
Grade Level: 10
Pre-requisite: Recommend at least a B in World

CONTEMPORARY STUDIES

This course provides students with an understanding of the major events and people which have shaped the world in which they live. A chronological review of the events and people provides students a framework to examine political, economic, social, and technological changes which have occurred during this century. Additionally, students will use geographic concepts to see how men and women have shaped and been shaped by their environment.

Students will demonstrate an understanding of the interdependency of the United States within the affairs of the world. The course concludes with students evaluating current world concerns and suggesting ideas dealing with those concerns.

Course Number: 701100
Grade Level: 11-12
Pre-requisite: World Studies to 1900; U.S. in the World—1500-1900

HISTORY 1102 (Fulfills History 11 requirement)

Three hours of college credit is available and is transferable to most higher learning institutions, and one high school credit that will satisfy the History 11 requirement. The course covers, at a college freshman level, American history beginning at the period of Reconstruction and extending into the modern era.

Course Number: 70110X
Grade Level: 11-12
Pre-requisite: 3.0 GPA; or 18 composite ACT

CIVICS

This course will focus on local, state, and national citizenship responsibilities. The students will be exposed to topics such as respect for people, events and symbols; explain and practice the responsibilities, privileges and rights of the United States citizens;

identify the purposes of government and ideals of United States democracy.

An honors option is typically available to offer students an option who wish to challenge themselves, but do not want the dual credit course.

Course Number: 703100/70310H
Grade Level: 12
Pre-requisite: World; US; 20-21st Century

POLITICAL SCIENCE 1102 (CIVICS)

This course is a survey of the American political system dealing particularly with the form and function of the US Federal system. This is a dual credit course for civics/government. 3 hours of college credit will be received. Students will have tuition and textbook costs.

Course Number: 70310X
Grade Level: 12
Pre-requisites: 3.0 GPA

PSYCHOLOGY

Psychology is designed for high school students who desire to know more about themselves and why they behave and interact with others as they do. Included in the course will be a discussion of some important people who have helped shape the field of psychology. Attention will be given to topics that will help students learn more about human behavior: person to person, person to group, group to group, and interpersonal relationships.

The course will also include some discussion of abnormal psychology so that students will have a better understanding of terms used in the treatment of mental disorders. The course deals heavily in psychological theory, and an attempt is made to apply that theory to individual situations. This course is recommended to academic students.

Course Number: 732100
Grade Level: 10-12

AP PSYCHOLOGY

The course outline is approved by The College Board. This is a rigorous course that prepares students for the AP exam in May. This course is a college level course which is equivalent to the course taken during the first year of college. AP Psychology is designed for students who desire to know more about themselves and why they behave and interact with others as they do. Included in the course will be a discussion of some important people who have helped shape the field of psychology. Attention will be given to topics that will help students learn more about human behavior: person to person, person to group, group to group, and interpersonal relationships.

The course will also include some discussion of abnormal psychology so that students will have a better understanding of terms used in the treatment of mental disorders. The course deals heavily in psychological theory, and an attempt is made to apply that theory to individual situations. This course is recommended to academic students.

Course Number: 704700
Grade Level: 11-12

SOCIOLOGY

Sociology is the study of human relationships. Students will learn about the meaning of culture, the elements used to knit a society together, social interaction, and the cultural changes taking place around them. Major social institutions and problems will be analyzed, and students will become acquainted with many

conflicting points of view which abound in our multicultural American society. The goal of this course is to have students become better informed citizens and better able to make important decisions for themselves, their community, and their nation.

Course Number: 734100
Grade Level: 10-12

ECONOMICS

This basic course for juniors and seniors focuses on introducing students to basic thoughts. Areas of study will include the basic questions, opportunity costs, role of profit and loss, and ethics of a free enterprise system. Students are introduced to entrepreneurship, the forces of supply and demand, and the role of the government in capitalism. Students will be expected to do a 2-3 page written research paper on an economic topic of importance today. In addition to the textbook, magazines, newspapers, and CNN will supplement learning. Each student will be expected to take part daily in class discussion.

Course Number: 703200
Grade Level: 10-12

GEOGRAPHY

Current world affairs dictate knowledge of where events occur and why they occur in particular regions. Various parts of the world are undergoing constant political, social, economic, and cultural change and/or improvement. Recognizing these areas in terms of geography will give the student a better perspective as to where and why these changes occur. One of the goals of this course is to make a student more aware of the importance of geography and its influence on past history as well as future development.

Course Number: 703300
Grade Level: 10-12

FUNDAMENTALS OF PUBLIC SAFETY/CRIMINAL JUSTICE (Dual credit)

This dual credit course is designed to present foundational principles of Public Safety Leadership including: how public safety leaders protect a democratic society; public policy issued such as crime and justice; history, organizational and functions of components of public safety including the criminal justice system; and the issues and challenges relating to the administration of justice in a culturally diverse society. Students utilize problem-solving techniques and participate in hands on activities to develop an understanding of course concepts.

*This is an, online, independent study course. Tuition and textbook fees apply.

Course Number: 12250X
Grade Level: 11-12
Pre-requisites: 3.0 GPA

HEALTH/PHYSICAL EDUCATION

HEALTH

Health is a full credit course designed to focus upon the individual as a member of the family and the community. Units of study include health and wellness, health and your physical body, drugs, diseases and disorders, adolescence, adulthood, and family life, and reproductive health. Emphasis is placed on all 6 components of health. First aid and safety, physical anatomy,

and building character traits are also explored. Activities and discussions concerning life situations are emphasized. Students are encouraged to value their health and to choose a lifestyle to prevent health problems.

Course Number: 690900
Grade Level: 10-12

PHYSICAL EDUCATION

The goal of the physical education program is to present a variety of activities to the students that will enable them to develop a physically fit body, develop the necessary motor skills to participate in a variety of activities, develop a knowledge of the rules and strategies of games, develop a social awareness, and develop an appreciation of the benefits to be derived from an active physical life. Skills tests (pre-/post), written examinations, and daily participation (on a scaled basis) will be utilized as evaluative assessments. The student will be provided the opportunity to participate in a variety of lifetime, team, and individual sports. Active physical participation is a requirement for completion of the course.

Course Number: 660900
Grade Level: 9 only

LIFE FITNESS

This course is designed to provide the student with the opportunity to participate in a variety of lifetime, leisure, and recreational activities. Daily participation will be utilized as the evaluative assessment. This course does meet the physical education requirement needed for graduation.

Course Number: 673300
Grade Level: 10-12

WEIGHT TRAINING

This course will provide the student with the basic nutritional information as it pertains to sport and exercise performance. Topics of discussion include weight management, nutritional requirements for athletic performance and maintenance of a healthy lifestyle, proper eating habits, diet fads, disordered eating, and supplementation. Weight training and conditioning will be a major emphasis of this course. Students will safely learn basic and intermediate strength training techniques needed for developing muscular strength.

This course **does not** meet the physical education requirement needed for graduation.

Course Number: 696500
Grade Level: 9 - 12

DRIVER EDUCATION

DRIVER EDUCATION

Students who enroll in this class will be given the opportunity to learn rules, laws, and processes to help them to operate a motor vehicle in a safe manner.

Students will learn basic rules of the road, road signs/markings; laws of physics that affect an automobile, how to plan routine maintenance, traffic laws, defensive driving techniques, alcohol impairment factors, and many other things that are essential to be a safe motorist. The course only consists of classroom instruction, currently there is no in-car observation or behind-the-wheel training.

High School Driver Education Certificates, Form I-DE-4 and Adult Driver Education Certificates, Form I-DE-5 shall, in the judgment

of the teacher, be awarded only to students demonstrating mastery of recommended course content (C average).

Course Number: 681100
Grade Level: 10-12
Pre-requisite: 15 years of age by last day of term enrolled;
no known mental/physical disability to prevent qualifying for an operator's license; legally eligible for a WV operator's license

FOREIGN LANGUAGE

SPANISH I

Spanish I is focused in the development of the student's communicative competence in Spanish and the understanding of the culture(s) of the different Spanish speaking countries. Students learn to communicate about topics that are meaningful to them. Three modes of communication competence are used: speaking and writing as an interactive process, reading and listening as a receptive process, in which comprehension of Spanish texts is developed, and speaking and writing in a presentational context. Students will exchange simple spoken and written information presented through different media. The integration of technology into the classroom supports the teaching/learning process for the acquisition of vocabulary and structure.

Course Number: 566100
Grade Level: 9-12
Pre-requisite: Recommend a C or better in English

SPANISH II

In Spanish II, students continue to develop their proficiency in the different modes of communicative competence which help them interact with other speakers of Spanish, understand oral and written texts in Spanish, and make oral and written presentations. Students use more accurately the basic structures and are exposed to more complex features. They use authentic material and continue using Internet based material. They continue to learn about cultural issues of Spanish speaking countries.

Course Number: 566200
Grade Level: 10-12
Pre-requisite: successful completion of Spanish I

SPANISH III – Dual Credit

This a dual credit course in which 3 hours of college credit will be received through PCTC, pending a C or better final grade. Students will have tuition and textbook costs.

In Spanish III, students communicate using more complex structures in the different modes of communicative competence: interacting with other speakers of Spanish, understanding oral and written texts in Spanish, and making oral and written presentations. Students develop the ability to discuss topics related to contemporary events and issues as well as literature in Spanish. The use of technology as an instructional tool is integrated into the classroom.

Course Number: 56630X
Grade Level: 11-12
Pre-requisite: recommend at least a B in Spanish II;
3.0 GPA

GERMAN I

This course is designed to introduce students to German language and culture. Basic grammar and syntax, simple vocabulary, and the spoken accent is emphasized, so that students can read, write, speak, and understand the language at

a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of the German-speaking people in Germany, Austria, Switzerland, Liechtenstein, and Luxembourg. The use of technology as an instructional tool is integrated into the classroom.

Course Number: 563100
Grade Level: 9-12
Pre-requisite: Recommend a C or better in English

GERMAN II

This course builds upon the skills developed in German I, extending students' ability to understand and express themselves in German and increasing their social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students explore the customs, history, and art forms of German-speaking people to deepen their understanding of the cultures in Germany, Austria, Switzerland, Liechtenstein, and Luxembourg. The use of technology as an instructional tool is integrated into the classroom.

Course Number: 563200
Grade Level: 10-12
Pre-requisites: German I

GERMAN III Honors

This course focuses on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Goals for students include the ability to maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a working vocabulary. The use of technology is integrated into the classroom.

Course Number: 56330H
Grade Level: 11-12
Pre-requisites: Recommend at least a B in German II

GERMAN IV Honors

Course Number: 56340H
Grade Level: 12
Pre-requisites: Recommend at least a B in German III

ARTS

ART I

This is an introductory course in which creative processes are studied through hands-on experiences. The elements and principles of design are emphasized in this course and are explored through various activities including research, drawing, basic painting, sculpture, printmaking, design, art history, and art appreciation. Drawing activities include drawing from real life objects, figure drawing, shading and value studies, perspective studies, and contour drawing.

Course Number: 321100
Grade Level: 9-12

ART II

This course will provide students the opportunity for advancement in the basic areas of design, drawing, painting, printmaking, and sculpture. This course will review the elements and principles of design and will involve activities that emphasize art history and art appreciation. Students will use creative thinking skills to develop original artworks that allow more individual expression.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 321200
Grade Level: 10-12
Pre-requisite: Recommend at least a B in Art I

ART III

Art III is an extension of Art I and II, which are pre-requisites. This class will emphasize a higher level of sophistication than the projects and skills required in previous courses. The course will highlight drawing, painting, printmaking, sculpture, portfolio development, artist statements, and individual growth. A final portfolio and gallery show are required.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 321300
Grade Level: 11-12
Pre-requisite: Recommend at least a B in Art II

ART IV

Art IV is an extension of Art I, II, and III, which are pre-requisites. This class emphasizes a higher level of sophistication than the projects required in previous courses. The course will highlight individual growth in skill, portfolio development, artist statements, drawing, painting, printmaking, and sculpture. A final portfolio and senior show are required.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 321400
Grade Level: 12
Pre-requisite: Recommend at least a B in Art III

CERAMICS/POTTERY I, II, III, AND IV

Ceramics is designed to introduce students to various hand building and surface decorating techniques used with clay. Sculpture class provides the opportunity to design and develop relief and three-dimensional forms using clay and other traditional sculpture media.

Gallery visits are a requirement. Students are expected to purchase some supplies. Ceramics II-IV students are required to have a show of their work and work on the potter's wheel. Members must be willing to commit themselves to after-school activities.

NOTE: A \$40 yearly fee is required for these courses.

Course Number: 330700, 330800, 330900, & 331000
Grade Level: 9-12
Pre-requisite: Recommend at least a B Art I and Ceramics I

AP STUDIO ART

The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to

articulate information about their work. AP Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection.

AP 3-D Art and Design Portfolio Exam This portfolio is designated for work that focuses on the use of three-dimensional (3-D) elements and principles of art and design, including point, line, shape, plane, layer, form, volume, mass, occupied/unoccupied space, texture, color, value, opacity, transparency, time, unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, connection, juxtaposition, and hierarchy. Students should consider how materials, processes, and ideas can be used to make work that involves space and form. Students can work with any materials, processes, and ideas. Figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities for submission. Still images from videos or film are accepted.

Course Number: 322200
Grade Level: 11-12
Pre-requisite: Recommend a B in Art I or Pottery I

DRAWING I AND DRAWING II

Drawing I provides the serious art student an in-depth study in color, shading, value, and mark making using multimedia. Drawing II is an in-depth look at mark making using multimedia, depending upon the students' interests. Students will choose and set up the direction they will explore. Students are expected to purchase their own equipment.

NOTE: A \$40 yearly fee is required for these courses.

Course Number: 333100, 333200
Grade Level: 10-12
Pre-requisite: Recommend at least a B in Art II

PAINTING

A basic studio course in the media and techniques of painting. Activity will emphasize the study of techniques and materials, both traditional and experimental. This course introduces various painting mediums including tempera, watercolor, acrylic, and oil paint along with creativity and aesthetic values in general.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 336700
Grade Level: 9-12
Pre-requisite: More advanced than Art I;
Must have some Art experience

PAINTING II

This course will provide students with the opportunity for advancement in the basic areas of painting and portfolio development. This course introduces advanced assignments with increasing emphasis on the expressive possibilities of the medium.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 336800
Grade Level: 10-12
Pre-requisite: Recommend at least a B in Painting I

PAINTING III-IV

This course is an extension of Painting I and II which are pre-requisites. This course will require a higher level of sophistication of the projects and skills expected in previous courses. This

course supports individual development of projects and skills and promotes creative thinking skills. A final portfolio, gallery, and/or senior show are required for this course.

NOTE: A \$40 yearly fee is required for this art course.

Course Number: 771000
Grade Level: 11-12
Pre-requisite: Recommend at least a B in Painting II

THEATRE I/DRAMA I

One of two entry level classes. This course introduces students to the theatrical arts through live performance activities. Students explore acting, movement, pantomime, stagecraft, lighting, and technical theatre through solo and group exercises. Students must earn a "B" average in this class to continue to an upper level class.

Course Number: 380100
Grade Level: 9-11
Pre-requisite: None

THEATRE I/MUSICAL THEATRE I

One of two entry level classes for students who wish to continue on to upper level courses in Stagecraft, Musical Theatre Ensemble, Advanced Drama and Public Speaking. Students explore all areas of Musical Theatre including acting, improvisation, vocal music, dance for the theatre, design and technical theatre and playwriting. Students must earn a "B" average in this class to continue to an upper level class.

Course Number: 380101
Grade Level: 9-10

THEATRE II, III, IV

These courses build upon the concepts explored in Drama I and Musical Theatre I with additional emphasis on period styles of drama and the use of multimedia in theatrical expression.

Course Number: 380200, 380300, 380400
Grade Level: 10-12
Pre-requisite: Recommend at least a B in previous theatre course

THEATRE/STAGECRAFT

This course is designed to introduce students to scenic design and technical theatre. Students will explore the areas of drafting, carpentry, lighting, prop construction, and stage management, while working on a production for the theatre.

Course Number: 385900
Grade Level: 10-12
Pre-requisite: Drama I or Musical Theatre I with a "B" average and crew experience

THEATRE ACTING PERFORMANCE/MUSICAL THEATRE ENSEMBLE

This course is an advanced course in the genre of American Musical Theatre. Students will explore musical theatre history, musical styles and notation, the use of the singing voice, auditioning, practices, theatrical dance, and performance techniques through solo and group classroom performances.

Course Number: 383500
Grade Level: 10-12
Pre-requisite: Stage experience, Audition required

DANCE I

Dance I is a beginning course which introduces students to creative movement. Dance is a means of communication and self-expression which helps students apply and demonstrate critical and creative thinking skills. Dance I will focus on technical skills and the major principles of choreography. Students will learn to identify movement elements and skills in performing dance. Dance in various cultures and historical periods will be studied. Students will learn connections between dance and healthful living.

Course Number: 340100(Fine Art) or 662100(PE)
Grade Level: 9-12

DANCE II

Dance II is an advanced course focusing on choreography and comparing and contrasting various dance forms. Cultural and historical periods of dance will be studied. Emphasis will be placed on dance as a means of developing a healthy life style.

Course Number: 340200
Grade Level: 10-12
Pre-requisite: Recommend at least a B in Dance I

DANCE III

Dance III is an advanced course which will stress practice in performing technical and choreographical skills necessary for artful presentation. The relationship of dance to careers will be examined. Dance history and artists will also be studied.

Course Number: 340300
Grade Level: 11-12
Pre-requisite: Recommend at least a B in Dance II

DANCE IV

Dance IV is an advanced course which will stress performance and choreographical skills necessary for artful presentation. Research of dance history, culture, and artists will be an integral part of study. Emphasis will be placed on various dance careers.

Course Number: 340400
Grade Level: 12
Pre-requisite: Recommend at least a B in Dance III

BAND

Band is a group of students interested in improving instrumental training. This training will be enhanced by experiences that build technical proficiency, good intonation, rhythmic accuracy, and stylistic sensitivity. Students enrolled in this class are expected to perform in all scheduled concerts and practices. They will be a member of the marching band and are required to attend band camp and all marching activities.

Course Number: 361100
Grade Level: 9-12

BAND CONTEMPORARY (Jazz)

Jazz Band is a select group of students that perform all styles of Jazz including blues, bebop, big band and rock. An audition may be required. This is a performance-based class so all students are expected to participate in school and community concerts. Students' attendance is required at all scheduled performances.

Course Number: 371100
Grade Level: 10-12
Pre-requisite: Previous instrumental training; audition

INSTRUMENTAL ENSEMBLE

Music Ensemble is an advanced class designed for students interested in specialized ensemble performance. Students will be grouped by instruments into brass choirs, woodwind choirs, or percussion ensembles.

Members will perform at solo and ensemble festivals as well as community and school events.

Course Number: 374100
Grade Level: 10-12

UKULELE

This is a beginning course which introduces students to the ukulele. Students will learn how to tune, play, read chords and notes and improvise on the ukulele using different strumming and picking techniques. Each student will need to provide their own soprano or concert ukulele.

Course Number: 373100
Grade Level: 10-12

CHORUS I (Concert)

This course is designed for those students desiring basic vocal training. Students enrolled in this class may expect to receive instruction in basic vocal production, diction, and singing in foreign languages. Students will be encouraged to pursue higher vocal idioms.

Course Number: 362100
Grade Level: 9-12

SHOW CHOIR

Advanced Vocal Ensemble is a select group of students who have an interest in advanced vocal training. The selection process is determined by the choral director. Students who are involved in this course will work on advanced vocal techniques and vocal literature. The ensemble may travel to various festivals and competitions throughout the year, as well as performing in school concerts and assemblies. Members must be willing to commit themselves to after-school performances and rehearsals prior to enrollment.

Course Number: 362300
Grade Level: 9-12
Pre-requisite: audition required

CHORUS IV (Madrigal)

Madrigal Choir is a select group of students who have an interest in advanced vocal training. The selection process is determined by the choral director. Students who are involved in this course will work on advanced vocal techniques and vocal literature. The Choir will strive to accomplish a high level of acapella singing that includes barber shop styles and madrigal singing. The ensemble may travel to various festivals and competitions throughout the year, as well as performing in school concerts and assemblies. Members must be willing to commit themselves to after-school performances and rehearsals prior to enrollment.

Course Number: 362400
Grade Level: 10-12
Pre-requisite: audition required

MUSIC THEORY

This class is designed for students who plan to major in music in college. Form, harmony, melody, rhythm, and structure will be discussed. Students will also gain experience in composition and sight singing. It is recommended that students take this class their senior year.

Course Number: 375600
Grade Level: 10-12

MUSIC 1120 – MUSIC APPRECIATION

This course is an introduction to Western music, the music of other cultures, and of popular music. Students are encouraged to develop their perspectives, listening skills, critical skills, and an appreciation of music interests of others. This course offers 3 college credit hours through Pierpont Community and Technical College.

Course Number: 36710X
Grade Level: 11-12
Pre-requisites: 3.0 GPA

GUITAR I

This class is designed for beginning guitar students. Instruction will include notation and tablature reading, chords, and basic theory.

Course Number: 372600
Grade Level: 10-12
Pre-requisite: Must have own acoustic guitar

GUITAR II-IV

This class is for the advanced student desiring more training on guitar. The student must have his/her own guitar.

Course Number: 372700
Grade Level: 10-12
Pre-requisite: Recommend at least a B in Guitar I

PIANO I

This class is designed for beginning piano students. Instruction will include notation reading, chords, and basic theory.

Course Number: 368100
Grade Level: 9-12

PIANO II-IV

This class is for advanced students desiring more piano training.

Course Number: 368200
Grade Level: 10-12
Pre-requisite: Piano I

AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER

Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers will provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. Upon completion of records, all agriculture classes also receive ½ credit of supervise agricultural experience (SAE) per year.

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

This is a core course for the Agriculture, Food and Natural Resources cluster that builds a knowledge base and technical

skills in all aspects of the industry. Students will learn basics of leadership development, agribusiness, animal systems, plant systems, industry careers, natural resources, and biotechnology. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0101E0
Grade Level: 9-12

THE SCIENCE OF AGRICULTURE

This course focuses on the basic scientific principles and processes related to the production of plants and animals for the food and fiber systems. Topics of instruction include basic understanding of the livestock/poultry industry and its various components, career opportunities, soil science, crop science/agronomy, weed science, basic agricultural mechanics and related industry careers, environmental stewardship, entrepreneurship, and leadership/personal development. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0102E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture

ANIMAL PRODUCTION AND MANAGEMENT

This course is designed to be a core course in the Animal Systems Program of Study. The course will cover topics on animal restraint, animal management techniques, animal health and welfare, balancing rations, pedigree analysis, and entrepreneurship. Students utilize problem solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA.

Course Number: 0140E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

LIVESTOCK PRODUCTION

This is a specialization course designed for students interested in entering the livestock industry as a herd manager or livestock entrepreneur. The course will cover topics on nutrient management, farm planning, business planning, developing marketing plans, developing feed rations, forages, grassland management, embryo transfer and animal facilities as they apply to various livestock such as cattle, swine, sheep, goats, poultry and horses. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA.

Course Number: 0230E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

HORTICULTURE / GREENHOUSE

This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer

relations, career opportunities, leadership development and entrepreneurial skills. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, career planning, leadership development and entrepreneurial skills. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0212E0 / 0214E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

FLORICULTURE

This specialization course covers topics on floral design, business planning, market plan development, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets. This course also qualifies as a fine art requirement.

Course Number: 0213E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture

FUNDAMENTALS OF AGRICULTURE MECHANICS

This course introduces the knowledge and skills for applying the physical science principles and principles of operation and maintenance to mechanical equipment, welding and fabrication, structures, plumbing, electrical wiring, power utilization, entrepreneurship.

Course Number: 0112E0
Grade Level: 10-12

FUNDAMENTALS OF ANIMAL PROCESSING

This course introduces students to the principles and applications of animal processing. Students will learn carcass grading, primal and retail cuts, workplace safety, how to process primal and retail cuts, and entrepreneurship. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0139E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

ANIMAL PROCESSING - RETAIL

This course is designed to give students the skills and knowledge needed to enter a career in the retail industry of animal processing. This course will build upon the concepts learned in Fundamentals of Animal Processing and emphasize retail cut processing, creating value added products, working with the public, and entrepreneurship. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0151E0
Grade Level: 10-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

ANIMAL PROCESSING - PLANT

This course is designed to give students the skills and knowledge needed to enter a career in an animal processing plant. This course will build upon the concepts learned in Fundamentals of Animal Processing and emphasize primal cut processing, workplace safety, government regulations, and entrepreneurship. All students are encouraged to become active members of the student organization, FFA.

Course Number: 0160E0
Grade Level: 11-12
Pre-requisites: Introduction to Agriculture
Recommend Science of Ag (or taking concurrently)

BUSINESS MANAGEMENT & ADMINISTRATION CLUSTER

The Business and Marketing Cluster prepares students for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. This cluster also prepares students for careers in planning, managing, and performing marketing activities to reach organizational objectives such as brand management, professional sales, merchandising, marketing communications and market research.

Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers will provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, DECA or FBLA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

Some courses may be marked "dual-credit" or "EDGE credit possible." Dual-credit classes are available in conjunction with Pierpont Community and Technical College. EDGE college credit can be given by many different colleges in the state.

BUSINESS COMPUTER APPLICATIONS I (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as applying integrated software to business applications, word processing, spreadsheets, presentations, database applications, Internet, and/or personal information programs.

Course Number: 1411E0
Grade Level: 9-12

BUSINESS COMPUTER APPLICATIONS II (EDGE credit and dual-credit possible)

This course is designed to develop additional student understanding and skills in such areas as the use of software packages in the areas of word processing, spreadsheet, database, Internet, and multimedia software.

Course Number: 1413E0/1413EX
Grade Level: 10-12
Dual credit grade level 11-12
Pre-requisite: 3.0 GPA for dual credit. Textbook fee may be required for dual credit.

BUSINESS AND MARKETING ESSENTIALS

This course is designed to develop student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning.

Course Number: 1439E0
Grade Level: 10-12

OFFICE MANAGEMENT (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as personal development and employability skills, managing records, processing mail, communication duties, keeping financial records, applying computing, accounting, and data skills, processing business correspondence, operating office equipment, using management skills, and completing office support activities.

Course Number: 1449E0
Grade Level: 11-12
Pre-requisite: interview

VIRTUAL ENTERPRISE

This course provides students with an authentic collaborative business and entrepreneurship experience through its live global business simulation model. Virtual Enterprise students run business ventures in their classrooms and engage in trading with other student-run businesses both nationally and internationally. Tasks are organized in the following areas: Operations, Accounting, Finance, Human Resources, Sales/Marketing, Design and IT.

Course Number: 143000
Grade Level: 10-12
Pre-requisites: none

FINANCE CLUSTER

ACCOUNTING PRINCIPLES I (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as the basic principles, concepts, and practices of the accounting cycle. Journalizing, posting, and analyzing of financial statements as well as banking and payroll procedures are included. The importance of ethics and confidentiality, as well as, an introduction to careers and types of business ownership are incorporated.

Course Number: 1401E0
Grade Level: 10-12
Pre-requisite: None

ACCOUNTING PRINCIPLES II (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as advanced accounting procedures and techniques utilizing both manual and computer-based accounting. There is a strong emphasis on problem solving, analysis, and

financial decision-making. Students study the advanced principles, concepts and practices of the accounting cycle and partnerships, corporations, cost accounting, inventory, and tax accounting.

Course Number: 1403E0
Grade Level: 11-12
Pre-requisite: Accounting Principles I

PERSONAL FINANCE

This course is designed to develop student understanding and skills in such areas as money management, budgeting, financial goal attainment, credit, insurance, investments, and consumer rights and responsibilities. The course culminates in a personal financial literacy workshop requiring students to share their knowledge with others.

Course Number: 1451E0
Grade Level: 10-12
Pre-requisite: none

BUSINESS COMPUTER APPLICATIONS I (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as applying integrated software to business applications, word processing, spreadsheets, presentations, database applications, Internet, and/or personal information programs.

Course Number: 1411E0
Grade Level: 9-12

BUSINESS AND MARKETING ESSENTIALS

This course is designed to develop student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning.

Course Number: 1439E0
Grade Level: 10-12

VIRTUAL ENTERPRISE

This course provides students with an authentic collaborative business and entrepreneurship experience through its live global business simulation model. Virtual Enterprise students run business ventures in their classrooms and engage in trading with other student-run businesses both nationally and internationally. Tasks are organized in the following areas: Operations, Accounting, Finance, Human Resources, Sales/Marketing, Design and IT.

Course Number: 143000
Grade Level: 10-12
Pre-requisites: none

TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLUSTER

CAREER EXPLORATION

Career Exploration is an exploratory course that helps students identify their skills and interests while also providing direction towards possible career choices within the sixteen career clusters. This course will help students develop personal learning plans/career learning plans through experiential learning and hands on activities.

Course Number: 762700
Grade Level: 9

AUTOMOTIVE TECHNOLOGY

The Automotive Technology concentration focuses on careers that will build a knowledge base and technical skills in all aspects of the automotive industry. Students will have the opportunity to acquire hours towards certification and be exposed to skills to develop positive work ethics.

Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, WV SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards.

FUNDAMENTALS OF AUTOMOTIVE TECHNOLOGY 1

This course introduces the student to the knowledge base and technical skills as they relate to the field of Automotive Technology. In the Fundamentals of Automotive Technology class areas of study include career opportunities and practices, basic safety, tool and equipment, measuring tools and equipment, automotive specifications, electrical system basics, battery service, wheel and tire service, cooling and lubrication systems, and student organizations.

Course Number: 1631E0
Grade Level: 10-12
Pre-requisite: None

AUTO TECHNOLOGY 2/BRAKE SYSTEMS

Brake Systems will continue to build student skill sets in areas such as diagnosis and repair of hydraulic systems, diagnosis and repair of drum brakes, diagnosis and repair of disc brakes, 7 power assist systems, and antilock brake systems. Students will comply with personal and environmental safety practices associated with proper ventilation, handling, storage, and disposal of brake components.

Course Number: 1625E0
Grade Level: 10-12
Pre-requisite: Fundamentals of Automotive Technology

AUTO TECH 3/SUSPENSION AND STEERING DIAGNOSIS

Suspension and Steering Diagnosis will continue to build student skill sets in areas such as diagnosis and repair of steering systems, diagnosis and repair of front suspension systems, diagnosis and repair of rear suspension systems, miscellaneous suspension and steering systems, and diagnosis and adjust wheel alignment.

Course Number: 1625E0
Grade Level: 10-12
Pre-requisite: Fundamentals of Automotive Technology

AUTO TECHNOLOGY 4/BASIC ENGINE CONCEPTS

Basic Engine Concepts will continue to build student skill sets in areas such as general engines, diagnosis of cylinder head and valve train, diagnosis and repair of engine block, and diagnosis and repair of lubrication and cooling systems.

Course Number: 1637E0
Grade Level: 11-12
Pre-requisite: Fundamentals of Automotive Technology, Brake Systems, Suspension and Steering Diagnosis, or teacher recommendation

AUTO ELECTRICAL/ELECTRONIC SYSTEMS 5

This course will introduce students to the skills in the theory, technology, and service of electrical and electronic components of the automobile. Drivability, driver safety, driver convenience computers, and associated circuits/devices will be introduced. The student will be in a lab environment 80% of the time using scan tools, meters, and other test equipment.

Course Number: 1627E0
Grade Level: 11-12
Pre-requisite: Fund. of Automotive Technology, Brake Systems, Suspension and Steering Diagnosis, Basic Engine Concepts, or teacher recommendation

DIESEL TECHNOLOGY

The Diesel Equipment Technology Program of Study focuses on careers that will build a knowledge base and technical skills in all aspects of the Diesel Equipment Technology industry. Students will have the opportunity to acquire hours towards industry ASE/NATEF certification and be exposed to skills to develop positive work ethics.

FUNDAMENTALS OF DIESEL EQUIPMENT TECHNOLOGY I

This course introduces the student to the knowledge base and technical skills as they relate to the field of Fundamentals of Diesel Equipment Technology. In the Fundamentals of Diesel Equipment Technology class areas of study include personal and shop safety, career opportunities in the diesel technology industry, the proper use of hand and power tools, basic oxyacetylene cutting, electric welding, and basic shop etiquette. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

Course Number: 1751E0
Grade Level: 10-11
Pre-requisite: none

DIESEL ENGINE COMPONENTS II

This course introduces the student to the knowledge base and technical skills as they relate to the field of Diesel Equipment Technology. In the Diesel Engine Components class areas of study include basic engine components, primary functions, service, inspection, and assembly procedures. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an

understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, WV SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and skill sets.

Course Number: 1741E0
Grade Level: 10-11
Pre-requisite: Fundamentals of Diesel Technology

DIESEL ELECTRONIC ENGINE CONTROLS III

This course introduces the student to the knowledge base and technical skills for concepts in diesel electronic engine controls. Areas of study include electronic control modules, electronic fuel injection, and electronic control test equipment. Emphasis is placed on career exploration, job seeking skills, and personal and professional ethics. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organizations, WV Skills USA.

Course Number: 1744E0
Grade Level: 11-12
Pre-requisite: Fundamentals of Diesel Technology; Diesel Engine Components

DIESEL SUPPORT SYSTEMS IV

This course introduces the student to the knowledge base and technical skills as they relate to Diesel Support Systems. Areas of study include lubricating and cooling systems, air intake and exhaust systems, starting and charging systems, engine retarders, fuel systems, and governor operation. Safety instruction is integrated into all activities. Students utilize problem-solving techniques and participate in hands on activities to develop an understanding of concepts. Students are encouraged to become active members of the student organization, WV SkillsUSA.

Course Number: 1747E0
Grade Level: 11-12
Pre-requisite: Fundamentals of Diesel Technology; Diesel Engine Components; Concurrently enrolled in Engine Controls

COLLISION REPAIR TECHNOLOGY

The Collision Repair Technology concentration focuses on careers that will build a knowledge base and technical skills in all aspects of the Collision Repair industry. Students will have the opportunity to acquire hours towards NATEF certification and be exposed to skills to develop positive work ethics.

Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, WV SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

FUNDAMENTALS OF COLLISION REPAIR

This course introduces the student to the knowledge base and technical skills as they relate to the field of Collision Repair Technology. In the Fundamentals of Collision Repair Technology class areas of study include career opportunities and practices, integrated academics, knowledge of tools and equipment, panel straightening techniques, and introduction to vehicle preparation. Safety instruction is integrated into all activities.

Course Number: 1671E0
Grade Level: 10-11
Pre-requisite: None

COLLISION 2 / NON-STRUCTURAL ANALYSIS AND DAMAGE REPAIR

Non-Structural Analysis and Damage Repair will continue to build student skill sets in non-structural analysis and repair of metal and composite parts. Students will utilize integrated academics, problem-solving techniques, and manipulative skills while completing lab activities to develop an understanding of course concepts.

Course Number: 1675E0
Grade Level: 11-12
Pre-requisite: Collision Fundamentals 1

COLLISION 3 / STRUCTURAL ANALYSIS AND DAMAGE REPAIR

Structural Analysis and Damage Repair will continue to build student skill sets in frame and unibody type vehicles using welding techniques, measuring equipment, and frame machines. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1677E0
Grade Level: 11-12
Pre-requisite: Collision Fundamentals 2

COLLISION 4 / SURFACE PREPARATION AND REFINISHING

Surface Preparation and Refinishing will continue to build student skill sets in preparing a surface for refinishing; inspect, clean and operate spraying equipment; detail a vehicle; and diagnose finish defects.

Course Number: 1679E0
Grade Level: 12
Pre-requisite: Collision Non-Structural 3

COLLISION REFINISHING 5

This course will provide students advanced refinishing skills such as color definition, tinting process, application and specialty painting.

Course Number: 1674E0
Grade Level: 12
Pre-requisite: Structural Damage & Analysis Repair 3

DRONE GROUND OPERATIONS

Personal hobbyists, police, fire and rescue personnel, engineers, real estate agents, photographers, roofers and other professionals are using unmanned aerial systems (UAS) for tasks ranging from racing and photography to surveillance and damage assessment. During this course, highly qualified UAS curriculum provide industry-leading classroom training and prepare drone pilots for the Part 107 Drone License exam. Topics include regulations, airspace, weather, loading and performance, and operations.

Course Number: 188700
Grade Level: 10-12
Pre-requisite: none

DRONE FLIGHT OPERATIONS

UVU Small UAV Ground School which consists of the following topics: Checklists, General characteristics, Dimensions & weight, Motors, Propellers, Electronic speed controls, Wireless links, Fuel/Flight, Battery, Flight Parameters, Limitations, Emergency Procedures, Normal procedures, Performance Flight times & wireless transmission, Weight and balance, Air Vehicle Systems Description Handling, service and maintenance.

Course Number: 188800
Grade Level: 10-12
Pre-requisite: Drone Ground Operations
Must be 16 years of age by completion of course

ARCHITECTURE, CONSTRUCTION & MANUFACTURING CLUSTER

BUILDING CONSTRUCTION

The Carpentry concentration focuses on careers that will build a knowledge base and technical skills in all aspects of the carpentry industry. Learners will be exposed to a broad range of construction careers and foundation knowledge including basic safety; plan reading; use of tools and equipment; basic rigging; and how to employ positive work ethics in their careers. Students will have the opportunity to earn NCCER certification for each skill set mastered.

Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, WV SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards.

CARPENTRY I

This course introduces the student to the knowledge base and technical skills of the carpentry industry. Carpentry I begins with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets related to the fundamentals of Carpentry such as Orientation to the Trade; Building Materials, Fasteners, and Adhesives; and Hand and Power Tools.

Course Number: 1842E1
Grade Level: 10-11

CARPENTRY II

Carpentry II will continue to build student skill sets in areas such as Reading Plans and Elevations; Floor Systems, Wall and Ceiling Framing; Roof Framing; Introduction to Concrete, Reinforcing Materials, and Forms; Windows and Exterior Doors; Basic Stair Layout.

Course Number: 1843E0
Grade Level: 11-12
Pre-requisite: Carpentry I

CARPENTRY III

Carpentry III will continue to build student skill sets in areas of Commercial Drawings; Roofing Applications; Thermal and Moisture Protection; and Exterior Finishing.

Course Number: 1844E0
Grade Level: 11-12
Pre-requisite: Carpentry II; or teacher consent

CARPENTRY IV

Carpentry IV will continue to build student skill sets in areas of Cold-Formed Steel Framing; Drywall Installation; Drywall Finishing; Doors and Door Hardware; Suspended Ceilings; Window, Door, Floor, and Ceiling Trim; Cabinet Installation; and Cabinet Fabrication.

Course Number: 1845E0
Grade Level: 11-12
Pre-requisite: Carpentry III; or teacher consent

CARPENTRY V

This is an advanced building construction course emphasizing practical applications. Students will spend approximately 80% of the class time participating in a building project.

Course Number: 1803E0
Grade Level: 11-12
Pre-requisite: Carpentry IV; or teacher consent

Pre-requisite: none
Hours: 135

ELECTRICAL TRADES II

Electrical Trades II will continue to build student skill sets in areas such as Introduction to Electrical Circuits; Electrical Theory; Introduction to the National Electrical Code®; Device Boxes; Hand Bending; Raceways and Fittings; Conductors and Cables; Basic Electrical Construction Drawings; Residential Electrical Services; and Electrical Test Equipment. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1757E0
Grade Level: 11-12
Pre-requisite: Electrical Trades I
Hours: 135

ELECTRICAL TRADES III

Electrical Trades III will continue to build student skill sets in areas of Alternating Current; Motors: Theory and Application; Electric Lighting; and Conduit Bending. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1758E0
Grade Level: 11-12
Pre-requisite: Electrical Trades II
Hours: 135

ELECTRICAL TRADES IV

Electrical Trades IV will continue to build student skill sets in areas of Pull and Junction Boxes; Conductor Installations; Cable Tray; Conductor Terminations and Splices; Grounding and Bonding; Circuit Breakers and Fuses; and Control Systems and Fundamental Concepts. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1759E0
Grade Level: 12
Pre-requisite: Electricity III
Hours: 135

ROTATING DEVICES AND CONTROL WIRING

Rotating Devices and Control Wiring will continue to build student skill sets in areas of Safety, Control Circuitry Blueprints, Schematics and Pictorial Diagrams, Pilot Devices, Motor Controls, Relays and Starters, and AC and DC Motors. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1771E0
Grade Level: 11-12
Pre-requisite: Electricity III
Hours: 135

BLUEPRINT READING FOR ELECTRICIANS

This course introduces the student to the knowledge base and technical skills regarding blueprint reading for electricians. Areas of study include building plans and specifications and blueprint and schematic reading. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts.

Course Number: 1762E0

ELECTRICAL TECHNICIAN

The Electrical Technician concentration focuses on careers that will build a knowledge base and technical skills in all aspects of the Electrical Trades industry. Students will have the opportunity to earn NCCER certification for each skill set mastered and be exposed to skills to develop positive work ethics.

Teachers will provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organizations, WV SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

ELECTRICAL TRADES I

This course introduces the student to the knowledge base and technical skills of the Electrical Trades industry. Electrical Trades I begins with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets related to the fundamentals of Electricity such as Orientation to the Electrical Trade; and Electrical Safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1756E1
Grade Level: 9-11

Grade Level: 10-12
Pre-requisite: Electrical Technician I
Hours: 135

RESIDENTIAL WIRING

In this course students will learn to read residential floor plans and install the necessary circuits need for home electrical use. Areas of study include wiring data, service entrance equipment, luminary and receptacle outlets, protective devices, appliance and special circuits and low-voltage systems. Emphasis will be placed on career exploration, job seeking skills and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving activities and participate in laboratory activities to develop an understanding of course concepts.

Course Number: 1769E0
Grade Level: 10-12
Pre-requisite: Electrical Trades I

WELDING I / II

This course is designed to introduce the student to the knowledge base and technical skills of the Welding industry. Welding I begins with the NCCER Core curriculum which is a prerequisite to all Level I completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power Tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will then begin developing skill sets in the fundamentals of Welding such as Welding Safety; Oxyfuel Cutting; and Plasma Arc Cutting. Weld Quality; SMAW-Equipment and Setup; Shielded Metal Arc Electrodes; SMAW-Beads and Fillet Welds; Joint Fit Up and Alignment; SMAW-Groove Welds with Backing; and SMAW-Open V-Groove Welds.

Students are encouraged to become active members of the student organizations, WV SkillsUSA.

Course Number: 1862E0 / 1863E0
Grade Level: 10-11

WELDING III / IV

Welding III will continue to build student skill sets in areas of Welding Symbols; Reading Welding Detail Drawings; Physical Characteristics and Mechanical Properties of Metals; Preheating and Post heating of Metals; GMAW and FCAW-Equipment and Filler Metals; and GMAW and FCAW-Plate. GTAW will be explored and studied. WV welding certification will take place in year 2. Students are encouraged to become active members of the student organizations, WV Skills USA.

*** Students will have the opportunity to earn both NCCER certification and the WV Welding Certification for each skill set mastered and be exposed to skills to develop positive work ethics.**

Course Number: 1864E0 / 1865E0
Grade Level: 11-12
Pre-requisite: Welding I and II

INFORMATION TECHNOLOGY CLUSTER

CISCO 1 & 2 CCNAV7: INTRODUCTION TO NETWORKS

First Step Toward a Networking Career

Begin preparing for a networking career with this introduction to how networks operate. This first course in the CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. Students will build simple local area networks (LANs). Developing a working knowledge of IP addressing schemes, foundational network security, students will be able to perform basic configurations for routers and switches. After completing all CCNA courses, students will be ready to take the CCNA Certification. Students will learn these core skills:
Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes. Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices. Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer. Configure and troubleshoot connectivity a small network using security best practices.

Course Number: 164200/1644E0
Grade Level: 10-11 (11th grade priority)
Pre-requisite: Algebra I; recommend Computer Hardware/Operating System

CISCO 3 & 4 CCNA: SWITCHING, ROUTING, AND WIRELESS ESSENTIALS

Delve Further into the World of Networking

This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. In this second course in the CCNA series in which students will perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. Students will learn these core skills: Work with routers, switches and wireless devices to configure and troubleshoot VLANs, Wireless LANs and Inter-VLAN routing. Configure and troubleshoot redundancy on a switched network using STP and EtherChannel. Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer. Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.

Course Number: 164600/1648E0
Grade Level: 10-11 (11th grade priority)
Pre-requisite: Algebra I; CISCO 2

COMPUTER HARDWARE/COMPUTER OPERATING SYSTEM (formerly known as IT Essentials)

Students will learn computer fundamentals and validate skills through optional certification. The Fundamentals of Connecting Computers to Networks Imagine building a computer then connecting it securely to a network. This exciting first step could lead to a rewarding IT career. Because a sure way to excel—no matter which area of IT you choose—is to learn the right computer fundamentals. IT Essentials covers this as well as shares the career skills needed for entry-level IT jobs. Students will work with Cisco Networking Academy advanced simulation tools and having multiple hands-on labs that hone your troubleshooting skills. Students will learn these core skills:

Install, configure, and troubleshoot computers and mobile devices; Identify common security threats like phishing and

spoofing; develop critical thinking and problem-solving skills using both real equipment and Cisco Packet Tracer.

Prepare for CompTIA A+ Certification.

Course Number: 1692E0/1693E0
Grade Level: 10(preferred)-12
Pre-requisite: none

BUSINESS COMPUTER APPLICATIONS I (EDGE credit possible)

This course is designed to develop student understanding and skills in such areas as applying integrated software to business applications, word processing, spreadsheets, presentations, database applications, Internet, and/or personal information programs.

Course Number: 1411E0
Grade Level: 9-12

DESKTOP PUBLISHING

This course is designed to develop student understanding and skills in such areas as journalistic principles in design and layout of print and Web publications including integration of text and graphics and use of sophisticated hardware and software to develop and create quality materials for business-related tasks. Students will analyze the information and the audience and combine appropriate text, graphics, and design to communicate the desired message effectively. Planning and design principles are used to analyze and organize information, set up a design structure, and to select or create appropriate visuals. Instructional strategies may include computer/technology applications, teacher demonstrations, collaborative instruction, interdisciplinary and/or culminating projects, problem-solving and critical thinking activities, simulations and project-based learning activities.

Course Number: 1429E0
Grade Level: 10-12
Pre-requisite: none

DIGITAL IMAGING/MULTIMEDIA I

This course is designed to develop student knowledge and skills in such areas as producing images, operating a digital camera, using imaging software, using drawing software, creating simple animations, and manipulating video images.

This course counts as a fine art credit.

Course Number: 1431E0
Grade Level: 9-12

DIGITAL IMAGING/MULTIMEDIA II

This course is designed to develop student understanding and skills in such areas as imaging, drawing, animation, and video software which will be used to create advanced projects. These projects will involve advanced tools and techniques of each discipline.

Course Number: 1432E0
Grade Level: 10-12
Pre-requisite: Digital Imaging/Multimedia I

WEB PAGE PUBLISHING

This course is designed to develop student understanding and skills in such areas as Web page design including using Web page development software, creating page layouts, adding images and frames, creating elements and components, creating tables, managing files, publishing to the Internet, creating hyperlinks, organizing tasks, and using codes (markup languages).

Course Number: 1455E0
Grade Level: 10-12
Pre-requisite: none

work and exhibit appropriate communication behavior when working as a team member.

Course Number: 9-12
Grade Level: 9-12

PROJECT LEAD THE WAY

The PLTW Computer Science program of study engages high school students in computational thinking and prepares a computationally aware and capable workforce. This program comprises introductory, foundation, and specialty courses. Schools that choose to implement Computer Science will bring on two year-long foundation courses: Computer Science and Software Engineering (CSE) and Computer Science Applications (CSA). Schools can then choose from an introductory course and a variety of specialty courses to complete a minimum of three (3) years of content for the program.

COMPUTER SCIENCE ESSENTIALS (PLTW)

Designed to be the first computer science course for students who have never programmed before, ICS is an optional starting point for the PLTW computer science program. Students work in teams to create simple apps for mobile devices using MIT App Inventor[®]. Students explore the impact of computing in society and the application of computing across career paths and build skills and awareness in digital citizenship and cybersecurity. Students model, simulate, and analyze data about themselves and their interests. They also transfer the understanding of programming gained in App Inventor to learn introductory elements of text-based programming in Python[®] to create strategy games.

Course Number: 1408E0
Grade Level: 9-12

AP COMPUTER SCIENCE PRINCIPLES (PLTW)

This course is designed to be equivalent to a first semester introductory college computing course. Students will develop computational thinking skills, analyze and study data, and understand how computing changes the world.

Course Number: 280600
Grade Level: 10-12
Pre-requisite: Computer Science Essentials

HEALTH SCIENCE CLUSTER

The Health Science Cluster offers a sequence of courses that provide coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Health Science Career Cluster. It prepares students for careers in planning, managing and providing therapeutic services, veterinary science service, diagnostic services, health informatics, support services and biotechnology research and development.

Additional fees are required for some of these courses during the senior year.

FOUNDATIONS OF HEALTH SCIENCE

This course is designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and healthcare delivery systems. It is designed to provide the student with knowledge and technical skills required for infection control and the prevention of disease transmission, CPR and First Aid. Students will be provided with the opportunity to acquire certification in these areas. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 0711E0
Grade Level: 10-11
Pre-requisite: Application; 2.5 GPA; <15 absences
If taking in 11th grade, the student must concurrently be taking Advanced Principles of Health Science

ADVANCED PRINCIPLES OF HEALTH SCIENCE

Instructional content will focus on healthcare safety, anatomy physiology, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations. Medical terminology and the reinforcement, expansion and enhancement of biology content specific to diseases and disorders are an integral part of the course. Instruction will incorporate project and problem based healthcare practices and procedures to demonstrate the importance of these skills. Students will develop basic technical skills required for all health career specialties including patient privacy, communication, teamwork and occupational safety and be provided with opportunities to obtain certifications in HIPPA/Data Privacy and health care safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 0715E0
Grade Level: 11
Pre-requisite: 80 % in Foundations of Health Science

CLINICAL SPECIALTY I / CNA

Upon successful completion of the Foundations and Advanced Principles of Health Science with an 80% or greater, students will be provided the opportunity in Clinical Specialty I to participate in a work-based clinical experience. Students choose a health career specialty for in-depth study and must complete a minimum of 55-100 hours in an applicable clinical rotation. Instruction is guided by career-specific content standards and objectives that must be mastered before students are eligible to attain established credentials and/or industry validation. Within this course, students focus upon employability skills and career development, and apply healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. **Must be taken with Clinical Specialty II. Specialization options: Certified Nursing Assistant, ECG/Phlebotomy, and Pharmacy Technician.** Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals.

Course Number: 0789E0
Grade Level: 12
Pre-requisite: Foundations of Health Science;
Advanced Principles of Health Science;
100% drug testing prior to entering
clinical experiences; <11 absences in
Foundations and Adv. Principles

CLINICAL SPECIALTY II

Upon successful completion of the prerequisite courses in the Health Science Education concentration, students will be provided the opportunity in Clinical Specialty II to participate in a work-based clinical experience. Students choose a health career specialty for in-depth study and must complete a minimum of 55-100 hours in an applicable clinical rotation. Instruction is guided by career-specific content standards and objectives that must be mastered before students are eligible to attain established credentials and/or industry validation. Within this course, students focus upon employability skills and career development, and apply healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. **Specialization options: Certified Nursing Assistant, ECG/Phlebotomy, and Pharmacy Technician.** Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals.

Course Number: 0790E0
Grade Level: 12
Pre-requisite: Foundations of Health Science;
Advanced Principles of Health Science;
100% drug testing prior to entering
clinical experiences; <11 absences in
Foundations and Adv. Principles

MEDICAL ASSISTANT CLINICAL PROCEDURES

Instructional content in this will focus on clinical procedures utilized within medical offices. Major components include emergency medical care, physical exam, basic pharmacology and administration of medication. Students will focus upon employability strategies and career development necessary for successful employment. Students will participate in a work-based clinical externship within a medical office or equivalent health care facility. Due to health care industry standards, exemplary attendance is mandatory. All content skill sets must be mastered before students are eligible to attain established credentials and/or industry validation. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content skill sets.

Course Number: 0733E0
Grade Level: 12
Pre-requisite: Foundation of Health Science,
Advanced Principles of Health Science,
and an interview;
100% drug testing prior to entering
clinical experiences; <11 absences in
Foundations and Adv. Principles

MEDICAL ASSISTANT LABORATORY AND DIAGNOSTIC PROCEDURES

Instructional content will focus on an introduction to diagnostic laboratory procedures performed in the physician's office and medical laboratory science. Principles of laboratory procedures will be studied by observation, discussion and practice in the laboratory sessions with emphasis on collection, proper handling, including blood and body fluid restrictions and identification of specimens, basic hematology procedures, routine urinalysis, rapid strep, pregnancy tests and venipuncture for competency. This

course follows CAAHEP/AAMA accreditation standards in place for medical assistants. With participation and input of therapeutic services professionals, instructional content will incorporate project and problem-based therapeutic practices and procedures to demonstrate the criticality of these skills. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content skill sets.

Course Number: 0737E0
Grade Level: 12
Pre-requisite: Foundation of Health Science, Advanced Principles of Health Science, and an interview; 100% drug testing prior to entering clinical experiences; <11 absences in Foundations and Adv. Principles

PTCB Prep (Pharmacy Technician)

This program provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Health Science pathway; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills.

PTCB Preparation

The PTCB Preparation class prepares the student to participate in a clinical internship in PTCB Clinical Applications. Instructional focus is on a self-paced curriculum provided by PassAssured's Pharmacy Technician Training Program, Pass Assured, LLC. This curriculum is supported by teacher instruction and a variety of textbook and online resources. Using a modular format, this system allows the student to gain the knowledge and skills required for certification and entry-level employment as a Pharmacy Technician. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content skill sets.

This is an online, independent study course

Course Number: 0771E0
Grade Level: 12
Pre-requisite: Advanced Principles of Health Science, and an interview; 100% drug testing prior to entering clinical Experiences; <11 absences in Foundations and Adv. Principles

PTCB Clinical Applications

Students will be provided an opportunity to participate in a clinical internship, applying the knowledge and skills mastered during the PTCB Preparation course. The clinical internship will allow hands-on practice under the direction of a pharmacist. Students participate in 100-130 hours of activities that reflect current and future entry-level pharmacy technician functions and responsibilities, utilizing both the institutional and retail settings. Students utilize problem solving techniques and participate in hands-on activities to develop an understanding of course

concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and content skill sets.

Course Number: 0772E0
Grade Level: 12
Pre-requisite: Advanced Principles of Health Science, and an interview; 100% drug testing prior to entering clinical Experiences; <11 absences in Foundations and Adv. Principles

*0730 Health Science Clinical Experience may be scheduled with 0772 (PTCB Applications) to create a 2-credit block.

VETERINARY ASSISTANT CLINICAL SPECIALTY I (DUAL CREDIT)

Instructional content in the class will focus on clinical procedures utilized within veterinary offices. It is designed to prepare students for an entry level position in the field of veterinary medicine. Veterinary assistants work under the supervision of veterinarians and/or veterinary technicians to perform routine tasks associated with a veterinary hospital and animal care. Upon completion of Veterinary Assistant Clinical Specialty I & II, graduates will be able to demonstrate competency in the entry level communication and technical skills required for a veterinary assistant. They will exhibit conduct that reflects the professional, ethical, and legal standards established by the field of veterinary medicine. Graduates from the program can pursue career opportunities in animal hospitals, clinics, research laboratories, or universities as a veterinary assistant. Due to healthcare/veterinary industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Specialization options: Veterinary Assistant. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals.

Course Number: 0789EX
Grade Level: 12
Pre-requisite: 80% in Foundations of Health Science 80% in Advanced Principles of Health Science; Application; GPA 3.0; <11 absences in Foundations and Advanced Principles

Veterinary Assistant Clinical Specialty II

Upon successful completion of the prerequisite courses in the Health Science Education concentration, and DC Veterinary Assistant Clinical Specialty I, students will be provided the opportunity in Clinical Specialty II to participate in a work-based clinical experience. Students must complete a minimum of 55-100 hours in an applicable clinical rotation. Instruction is guided by veterinary-specific content standards and objectives that must be mastered before students are eligible to attain established credentials and/or industry validation. Within this course, students focus upon employability skills and career development, and apply healthcare information technology and technical skills. Instruction will incorporate project and problem-based veterinary practices and procedures to demonstrate the criticality of these skills. Due to healthcare/veterinary industry standards, exemplary attendance is mandatory. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Specialization options: Veterinary Assistant. Students are encouraged to become active members of the student organization, HOSA-Future Health Professionals.

Course Number: 0790E0
Grade Level: 12

Pre-requisite: 80% in Foundations of Health Science
80% in Advanced Principles of Health
Science Application; GPA 3.0; <11 absences
in Foundations and Advanced Principles

Course Number: 1301E0
Grade Level: 10-11
Pre-requisite: Recommend Parenting & Strong
Families, but not required

MEDICAL TERMINOLOGY-DUAL CREDIT ONLY

Through the study of medical terminology the student will be introduced to the language of medicine. Students will gain an understanding of basic elements, rules of building and analyzing medical words and medical terms associated with the body as a whole. Utilizing a systems approach, the students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted.

Tuition and textbook fee are required through PCTC.
This is an online, independent study course

Course Number: 07210X
Grade Level: 11-12
Pre-requisites: 3.0 gpa

EDUCATION CLUSTER

The Education concentration focuses on the knowledge, skills, attitudes and practices of childhood development required for careers in the field of Education. Emphasis is placed on the integration of all aspects of development into best practices for nurturing children. This concentration prepares students to be an Assistant Classroom Teacher.

Students will utilize problem solving techniques and participate in hands-on activities. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of a student organization such as FCCLA or FEA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

PARENTING AND STRONG FAMILIES

This course is an introduction to families and effective parenting which also includes prenatal development, pregnancy, birth, and baby's first year.

Course Number: 0903E0
Grade Level: 9-11
Pre-requisite: None

FOUNDATION IN EDUCATION

This course is designed to provide an overview of early childhood career paths, early childhood programs, regulatory requirements, universal precautions, child abuse and neglect, code of ethical conduct, mobility, motor skills, rough and tumble play, gaining competence, perceptual motor integration, representation, nutrition, brain development, and outcomes of children's play. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities.

STUDENT LEARNING, DEVELOPMENT & DIVERSITY

This course is designed to explore ethical issues of early childhood education and social and cultural issues such as attachments, trust, temperament types, the secure base, separation, autonomy, initiative, social competence, building community relationships with adults, prosocial environment, scaffolding prosocial behavior, and social challenges. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities.

Course Number: 1302E0
Grade Level: 10-11
Pre-requisite: Foundation in Education

EARLY CHILDHOOD EDUCATION

This course is designed to explore various perspectives on early childhood such as personal educational theory; professional practices; learning theory; learning through play; constructivism; social constructivism; and Erickson's, Piaget's, and Vygotsky's theories. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities.

Course Number: 1003E0
Grade Level: 11-12
Pre-requisite: Student Learning, Dev. & Diversity

TEACHER PREPARTION: SEMINAR IN EDUCATION

This course is designed to provide a review of previous concepts; investigate cognitive and intellectual concepts such as: language development, receptive and expressive language, bilingual development, symbolic thought, imagination, theory of mind, socio-dramatic play, metacommunication, multiple intelligences, literacy, print awareness, numeracy and inquiry; and develop opportunities for professional growth. Students will use reasoning processes, individually and collaboratively, to take responsible action in families, workplaces, and communities.

Course Number: 1135E0
Grade Level: 11-12
Pre-requisite: Early Childhood Education

GOVERNMENT & PUBLIC ADMINISTRATION CLUSTER

JROTC

(Army Junior Reserve Officer Training Corps)

The JROTC concentration focuses on the values of citizenship and service, personal responsibility, and a sense of accomplishment. Principles of effective communication and leadership will be integrated into developing character and fitness and building teamwork and self-confidence. The discipline, traditions and customs of a designated branch of service will be emphasized.

Cadets utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each cadet with real world learning opportunities and instruction. Cadets are encouraged to become active members of the student organization SkillsUSA. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives.

JROTC I – CITIZENSHIP, CHARACTER AND TRADITIONS

This course is designed to investigate the mission and organization of a designated branch of service along with its history, traditions, customs and courtesies. The meaning, purpose and principles of conduct, discipline and standards are presented. Concepts of health, fitness and multiple dimensions of wellness are stressed as are other elements of citizenship and character.

Course Number: 106500
Grade Level: 9-12
Pre-requisite: None

JROTC II – COMMUNICATION AND AWARENESS

This course is designed to introduce communication skills as they relate to assuming leadership of individuals, groups and teams. Cadets will investigate problem solving, conflict management and resolution, developing others' potential and project management. Global and cultural studies -- including issues such as terrorism, religion, environment, human rights, disease, and economics will be explored. Wellness, discipline and tradition standards are continued.

Course Number: 106600
Grade Level: 10-12
Pre-requisite: Successful completion of JROTC I

JROTC III – LIFE SKILLS AND CAREER INVESTIGATION

This course is designed to provide fundamental skills regarding responsible citizenship and adult activities such as financial and legal management, voting registration, career exploration and planning, job application processes and independent living skills. All career options will be presented and supported by individualized educational guidance. Principles of effective communication will be integrated into relationship skills and wellness and discipline and tradition standards will be continued.

Course Number: 108000
Grade Level: 11-12
Pre-requisite: Successful completion of JROTC II

JROTC IV – MANAGEMENT AND LEADERSHIP PRINCIPLES

This course is designed to provide cadets with the principles and techniques of management and leadership through the planning, organizing, coordinating, directing and controlling of JROTC projects and activities. The history of management will be explored along with leadership styles and characteristics. Cadets will explore ethical management and leadership through case studies, role play activities, etc. Managing change, stress and innovation will be discussed. Wellness, discipline and tradition standards are continued.

Course Number: 108100
Grade Level: 12
Pre-requisite: Successful completion of JROTC III

JROTC LEADERS V & VI

This class is by invitation only. It is designed to give cadets in leadership roles an opportunity to work together to enhance their leadership skills.

Course Number: 106200 & 106300
Grade Level: 11-12
Pre-requisite: invitation ONLY

HOSPITALITY & TOURISM CLUSTER

CONCENTRATION: PROSTART RESTAURANT MANAGEMENT

The ProStart Restaurant Management concentration focuses on the skills needed for a successful employment in a restaurant environment. ProStart is a restaurant industry-driven curriculum developed by the National Restaurant Association Educational Foundation with input from thousands of restaurant professionals. ProStart curriculum integrates performance-based learning with academics, entrepreneurship, and technology skills to prepare students for successful employment in the 21st Century.

RESTAURANT AND CULINARY FOUNDATIONS

This course focuses on the basic preparation and service of safe food, basic introduction to industry safety standards, basic introduction to restaurant equipment, kitchen essentials in knife skills, stocks and sauces, and communication concepts in the restaurant industry.

Course Number: 1013E0
Grade Level: 10-11
Pre-requisite: None

RESTAURANT MANAGEMENT ESSENTIALS

This course is designed to focus on management essentials in the restaurant industry, guest service, food production, career exploration and pursuit.

Course Number: 1014E0
Grade Level: 10-11
Pre-requisite: Restaurant and Culinary Foundations

ADVANCED PRINCIPLES IN FOOD PRODUCTION

This course is designed to examine advanced food production, nutrition, and cost control. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts.

Course Number: 1019E0
Grade Level: 11-12
Pre-requisite: Restaurant Management Essentials

THE RESTAURANT PROFESSIONAL

This course is designed to provide content related global cuisine, sustainability, desserts and baked goods, and marketing.

Course Number: 1020E0
Grade Level: 11-12
Pre-requisite: Adv. Principles in Food Production

FOUNDATION OF FOODS PRINCIPLES

This is a foundations course designed to give students an introduction to the food preparation industry.

Course Number: 095400
Grade Level: 9
Pre-requisite: none

HOSPITALITY SERVICES

The hospitality industry is complex. It covers a wide range of jobs, locations, activities, and economic brackets. This course will focus on the 4 main sectors of the hospitality industry: food and beverage, lodging, recreation, and travel and tourism.

Course Number: 1015E0
Grade Level: 11-12
Pre-requisite: The Restaurant Professional (or taking concurrently)

PASTRIES AND BAKING

This course will introduce students to various techniques related to pastries and baking.

Course Number: 1018E0
Grade Level: 11-12
Pre-requisite: The Restaurant Professional (or taking concurrently)

PAES

The Practical Assessment Exploration System (PAES) is used to practice a variety of work-related tasks. Its purpose is to assess and teach vocational and life skills. The PAES lab provides broad vocational training within the school setting in the areas of business/marketing, computer technology, processing/production, construction, and consumer services.

Course Number: 76200
Grade Level: 9-12
Pre-requisite: teacher consent

Below you find a list of the Honors, Dual Credit, and Advanced Placement (AP) courses offered at PHS. Please note, that other options are available through WV Virtual Schools.

<https://wveis.k12.wv.us/vschool/courses/coursecatalog.cfm>

Honors Courses

English 9
English 10
English 11
Geometry
Algebra II
Pre-Cal/Trig
Earth
Biology
Chemistry
Physics
World
US
Civics
German III
German IV

Dual Credit

English 104
Forensics
Anatomy/Physiology
History 102
Political Science 1102
BCA II
Medical Terminology
Speech
Spanish III
Music Appreciation

AP

AP English Literature
AP English Language
AP Calculus AB
AP Calculus BC
AP Statistics
AP Biology
AP Environmental Science
AP Chemistry
AP Physics C
AP Geography
AP Psychology
AP Computer Science
AP Drawing
AP Art 3-D

