Clarion-Limestone

High School
Course Catalog

*Indicates Weighted Courses
ENGLISH COURSES

Seventh Grade English

Seventh grade English covers basic language structure, grammar, punctuation, vocabulary, writing and reading comprehension. The course prepares students with the skills they will need for success in subsequent English courses. Emphasis is placed on the writing process and reading comprehension skills. Literary genre is introduced and understood through a variety of works, including fiction, nonfiction, and poetry. Writing areas include research, expository, argumentative, narrative, descriptive, and creative.

Seventh Grade Reading/Study Skills

This reading class emphasizes study skills such as textbook comprehension strategies, note taking, time management, organization, listening skills, and testtaking strategies as a means to better prepare students for high school. Students choose various books for independent reading. Testing for comprehension occurs through the Accelerated Reader computer program. Time is given for Accelerated Reader weekly. Plot, theme, characterization, point of view, literary techniques, figurative language, vocabulary instruction, and specific reading skills are integral to all literary studies. Students read a variety of genres and respond to their reading in multiple ways. Students often write in response to reading literature by citing textual information to support their thinking.

Seventh Grade Reading Support

Seventh grade Reading Support is a course appropriate for seventh grade students who are reading slightly below level and who tend to confuse words with similar spellings, multisyllabic words, and typical text material. This course encourages practice in decoding words and in the literal and inferential reading comprehension. Lessons incorporate group recitation of new words, oral readings, and timed oral readings with an emphasis on speed and accuracy, and a short written quiz on comprehension. Accelerated Reader novel readings are also a component of the course with time provided weekly for silent reading and assistance in the reading.

Seventh Grade Advanced Reading and Study Skills

Seventh grade Advanced Reading and Study Skills is a course for students who read well above the basic seventh grade level. The course is a more fastpaced, indepth, and independent class than the basic seventh grade reading and study skills course. An introduction to core study skills initiates the course. Students review correct note taking, listening skills, organizational skills, time management, overcoming test anxiety, PR2 study method, and mnemonics. Next, the main emphasis shifts to studying all genres of literature as well as comprehension, logic, and vocabulary enhancement. These serve as the core components of this course. Accelerated Reader novels, which are written on much higher reading levels, are incorporated all year as another core element of the course. Some independent time is provided weekly for sustained silent reading.

Seventh Grade Advanced English

Seventh grade Advanced English is an accelerated course that incorporates the seventh grade English curriculum with acceleration in reading comprehension, analytical thinking skills, critical thinking skills, and advanced language study. Special emphasis is placed on independent thinking and reasoning skills. Prerequisite: Ninety percent in English and teacher recommendation.

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English 8

This course emphasizes the structure of the English language focusing on the parts of speech, phrases, and clauses. Correct punctuation and capitalization are reviewed. Four types of essay writing include descriptive, narrative, expository, and argumentative. Literary studies include the short story, novel, and nonfiction. A portion of the student’s grade is earned by accumulating Accelerated Reader points as a measurement of the student’s reading comprehension ability.

Eighth Grading Reading Support

Eighth grade Reading Support is offered for those eighth grade students who struggle with reading comprehension and higher level thinking skills. Practice in following precise directions, identifying specific parts of a graph or diagram, making correct inferences and deductions, finding analogies, improving grammar usage, identifying parts of speech, seeing contradictions in logic, writing creative stories, expanding vocabularies, and choosing facts that support basic evidence are all components of this course to promote critical reading and higher level thinking. The Accelerated Reader novel program is also incorporated. Reading support and time are provided weekly for silent or oral reading, listening, and discussing.

Advanced English 8

The student will be presented with a comprehensive grammar and literature focus. Students will read a variety of genres including: short stories, novels, and poetry. Essay writing will include the informative, narrative, argumentative, and expository types. Students are expected to develop as strong individual writers. This course will determine the students’ continuation in the Advanced English program pending an A or B average.

Prerequisite: Ninety percent in English and teacher recommendation.

Eighth Grade Speech

This course offers students the opportunity to become competent and comfortable speaking before their peers. The class involves textbook work, handout materials, and student speeches. All of the work prepares the student for a final speech presentation. This speech must be between five and eight minutes in length. The final informative speech topic is chosen by the student and approved by the teacher.

English 9

English 9 covers language structure, vocabulary, writing, reading comprehension, and concepts in literature. Emphasis is placed on the writing process and the skill of writing for a variety of purposes including research. Another focus is on reading with an understanding and appreciation for various genres of literature. Such works include short fiction, nonfiction, memoir, drama, and poetry.

Advanced English 9

The first in a sequence of four college preparatory classes, emphasis is on the writing process. This advanced course will encourage critical thinking, enable students to clearly understand and utilize correct grammar, explain the difference between denotation and connotation of vocabulary words, explain word etymology, and devise strong thesis statements. Students will learn to write paragraphs according to standard form, ultimately writing well-organized essays. Students will learn to identify the elements of the short story, poetry, drama, nonfiction and fiction. Several novels will be studied and connected to universal themes. Utilization of reference materials (e.g., dictionaries and encyclopedias) will also be introduced.

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Prerequisite: Recommendation of the Advanced English 8 instructor and ninety percent grade minimum.

**English 10**

English 10 will focus on literature, writing, grammar, and mechanics. World literature units on the novel, short story, poetry, and drama will be covered. Literary techniques and vocabulary study will accompany the literature lessons. Writing units will be based on the four types of writing using the 6 + 1 writing model. Students will also read and write utilizing the state domains and rubrics.

**Advanced English 10**

The second in a sequence of four college preparatory classes, emphasis is on the critical writing process. Essays will embrace greater sophistication and will focus on creation of and support for firm thesis statements. Additionally, students will compose a 4-6 page research paper. Grammar instruction includes review units on all parts of speech, sentences, phrases, and clauses, and all punctuation marks will be covered. Literature units include the short story, the novel, poetry, and the Shakespearean drama. Summer reading required.

Prerequisite: Eighty-five percent grade minimum and teacher recommendation

**English 11**

Students will focus on a variety of literary works with emphasis on American literature. Interpretation of fiction and nonfiction selections will be regular practice, as students will be thinking and writing critically. Intensive writing will address the four basic types – narrative, informative, argumentative, and expository. Additionally students will write a 57 page research paper, and they will do extensive poetry analysis and composition. Organizational techniques and units on grammar and mechanics will be taught throughout the year.

*AP English Language and Composition (11th)*

This advanced course prepares students to discuss, relate to, and understand the American culture as reflected and influenced by the literature. Students will analytically and critically discuss American literature and analyze literary genres such as short stories, novels, essays, sonnets, drama, and nonfiction texts. Additionally, students will identify, define, and analyze various literary and rhetorical techniques. Students will craft essays examining literature by reading individually and as a class. Students will develop argumentative essays reflecting sound logic, organization, and analysis which utilizes means of reading comprehension. Prerequisite: A or B average in Honors English 10 and teacher recommendation.

**English 12**

In addition to the focus on British literature, students will write a number of creative and analytical responses to a variety of texts, emphasizing the skills needed for effective communication. Literary genres will include poetry, drama, essays, short stories, and novels. Students will update the cover letter and resume, write applications and essays to prepare for post-graduation. As a culminating project, students will compose a portfolio presentation of their English work throughout their high school careers.

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**AP English Literature and Composition (12th)**

This college preparatory course is designed to advance critical reading and writing skills. British and international literature is read and analyzed. Analytical essays that reflect an understanding of content, inclusion of quotations and supporting details, and critical explorations of the personal connections to the literature will follow most texts. The course will introduce the use of critical theory as a lens through which to explore literature. Additionally, students will write a 68 page research paper. The year’s end includes a film studies unit that explores cinematic adaptations of literary texts. Several units designed to enable students to receive scores of 3, 4, or 5 on the National Advanced Placement test are incorporated throughout the year.

**Prerequisite:** A or B in AP Language and Composition or teacher recommendation.

**Argument & Debate**

Students will study the art of persuasion from a variety of sources ranging from ancient Greek philosophers, such as Cicero and Aristotle, to modern politicians and advertisers. Students will study the persuasive arguments made by others in attempt to become more critical consumers of information and to become more effective arguers themselves. Students will build upon their understanding of arguments; and, eventually, participate in classroom debates which will allow them to practice their own argumentative skills while also evaluating the techniques of others.

**Journalism**

The Journalism class focuses on two core skills that extend far beyond those looking to make a career out of journalism. First, students will focus on their ability to gather reliable, relevant information regarding people, events, and ideas that are the “news of the day” in order to become a more accurately informed citizen. Secondly, students will focus on their ability to interact with their unearthed information and create informative and persuasive texts of their own.

**Contemporary Young Adult Literature**

Contemporary Young Adult Literature is a semester-long class for upperclassmen. We will read a variety of novels (self-selected with guidelines) that have been published in the last five years with the classification of Young Adult. The class will focus on expanding our reading palates by exploring multiple genres of fiction (fantasy, mystery, historical, etc) and discussing commonalities of what designates the Young Adult classification and how it reflects modern adolescent life. Grading for this class will be based upon project completion, in-class discussion, and ability to meet deadlines. Students should be aware that the works studied in class will reflect modern language and situations.

**Creative Writing**

This is a half-year elective for 10th-12th graders interested in writing beyond the normal classroom setting. In this course, students are exposed to various writing styles. Students will read a variety of literature to enhance their own writing styles. Students will write in the following genres: fiction, non-fiction, poetry, and drama. Each student will create a portfolio-type project with their writings at the end of the course.

**Essentials of Business Communications**

This course introduces the students to business communications, stressing their importance in the real world. Regardless of postsecondary plans, students must be able to use technology and communicate effectively. This semester long course is designed to improve both computer skills and critical thinking skills. Documents and projects include memo, cover letter, resume, college application, scholarship application, thank you note, email, proposal, presentation, promotional video, press release, business query letter, and deconstruction of a business document. Additionally, students plan, facilitate, and document their own personal meeting.

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Introduction to TV Studio

This year-long elective will introduce the students to television production. Students will learn to run the TV camera, lights, and editing equipment needed to facilitate an effective TV studio, shooting both in-studio and remote programs. Additionally, they will function as producers, directors, camera operators, editors, and talent. Completed productions will run on the school televisions and will be uploaded to the Internet for outside viewing.

MATHEMATICS COURSES

Math 7

Math 7 is a course designed to introduce students to important algebraic concepts in order to help them successfully move into the PreAlgebra and 8th grade courses. Students will be exposed to the same concepts as the PreAlgebra 7 course, however, at a less rigorous pace.

Pre Algebra & Geometry 7

Pre Algebra 7 is a course designed to introduce students to important algebraic concepts in order to help them successfully move into the 8th grade Algebra I course. Students will be exposed to properties of real numbers, expressions, equations, and inequalities, as well as a variety of other algebraic concepts. Additional topics include geometric concepts and applications, percents, ratios, unit rates, proportions, proportional relationships, perimeter, area, volume, and surface area.

Prerequisite: Students must be recommended by the sixth grade math teacher.

Pre Algebra & Geometry 8

This course is designed for the average mathematics student in 8th grade. Topics include variables, linear equations, functions and systems of equations. Other topics include geometry concepts and applications, transformations, and real numbers.

Algebra I

This course is designed for the above average mathematics student in eighth or ninth grade. Topics covered include variables, equations, functions, word problems, systems of equations, and other topics typically found in an introductory algebra course up to and including the quadratic equation.

Prerequisite: Successful completion of PreAlgebra & Geom 7 or an A or B in Math 7 and recommendation of the Mathematics Department.

Applied Algebra I

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Topics covered include variables, real numbers, linear equations, roots, inequalities, polynomials, factoring, exponents, and graphing. Additional topics include probability, percents, and data analysis. **Prerequisite:** Successful completion of PreAlgebra & Geom 8; **Grade level** 9.

**Integrated Algebra**

This course is designed to remediate those students not proficient on the Keystone Exam or those who have passed Applied Algebra I, but have not taken the Keystone Exam. All eligible content of the Keystone exam will be covered during semester 1. Semester 2 will consist of more challenging Laws of Exponents, Logarithms, Pythagorean Theorem and Right Triangle Trigonometry.

**Prerequisite:** Successful completion of Applied Algebra I, but unsuccessful on Keystone Exam.

**Academic Geometry**

This course is designed for the potentially college bound student. Deductive and inductive reasoning are developed throughout the course through the nature and mechanics of mathematical proof. This course includes plane and solid geometry, as well as some analytical geometry. The topics covered include the study of points, lines, planes, angles, polygons, circles, solids, areas, and volumes.

**Prerequisite:** Successful completion of Algebra I or Integrated Algebra and the recommendation of the Mathematics Department; **Grade level** 9.

**Algebra II and Trigonometry**

This is an integrated course in algebra and trigonometry designed for the college bound student. Topics covered include the study of linear, quadratic, exponential, and logarithmic functions, as well as absolute value, radicals, and complex numbers. Other topics include the fundamentals of trigonometry with emphasis on the development, use, and graphing of the trigonometric functions. A graphing calculator is essential for this course and is provided by the district.

**Prerequisite:** Successful completion of Geometry and the recommendation of the Mathematics Department; **Grade level** 10.

**Probability and Statistics**

Probability and Statistics is designed for the college capable student, regardless of his/her chosen field of endeavor. A working knowledge of Probability and Statistics would be beneficial to virtually all college students, as well as most vocationally oriented students. The course includes such topics as elementary probability, numerical data, statistical measures, binomial and normal distributions, estimation and statistical inference. The course is computational in nature. The use of handheld calculators is required, and will be provided by the district.

**Prerequisite:** Successful completion of Algebra or Integrated Algebra; **Grade levels** 1012.

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Essentials of Algebra

This course is designed for those students with a very low mathematics ability level. Students are given individual instruction on the same topics covered in Applied Algebra I and Integrated Algebra. Students are expected to cover the material in Algebra I and Integrated Algebra over a three year time period.

**Prerequisite:** Recommendation of the Mathematics Department; Grade levels 9  11.

Consumer Math

Consumer Math is designed to give the students a background in practical mathematics. Those students who complete the course will be introduced to material that will make them knowledgeable consumers. Topics covered will include earning and handling money, buying a car, traveling, buying or renting a place to live, home pay and taxes, buying clothes, recreation and health, buying food, and saving and investing money. Calculators are permitted.

**Prerequisite:** Successful completion of Algebra I and Geometry; Grade levels 11 and 12.

Applied Geometry

Applied Geometry is a course geared toward students entering the workforce and/or a vocational program following high school. It will not involve rigorous proof, and will be applied in nature. Topics will include measurement, lines, planes, angles, parallels, perpendiculacs, triangles, polygons, similarity, circles, spheres, areas, volumes, coordinate geometry, constructions, and transformations. **Prerequisite:** Successful completion of Applied Algebra I; Grade levels 10  12

Applied Algebra II

Applied Algebra II is a course for students likely to enter the workforce and/or enroll in a vocational program following high school. It is an applied technical algebra course. Topics will include but are not limited to the following: determinants, complex numbers, trigonometric ratios, polynomials, and inequalities.

**Prerequisite:** Successful completion of Applied Geometry; Grade levels 11 and 12.

*PreCalculus

PreCalc is a continuation of algebra and trigonometry designed for students who plan to pursue a college education. The course involves a thorough study of the elementary functions, with major emphasis on polynomial functions. Other major topics include sequences and series, vectors, mathematical induction, conic sections, inequalities, and mathematical proofs. Algebra, geometry and trigonometry are integrated parts of this course.

**Prerequisite:** Successful completion of Algebra and Trigonometry and recommendation of the mathematics department; Grade levels 11 and 12.

*Calculus

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This course includes the study of function notation, the theory of limits, differentiation and integration of algebraic and transcendental functions. Many applications to physical and economic situations are studied. At the completion of this course, students should be well prepared for college calculus.

**Prerequisite:** Successful completion of PreCalculus and the recommendation of the Mathematics Department; Grade level 12.

*AP Calculus*

This course will cover the topics of study taught in the Calculus course, however at a more rigorous pace in order to prepare students for the AP Calculus exam.

Entrance into this course will be based on teacher approval. For an additional fee students may elect to earn University of Pittsburgh college credit through the college in the classroom program.

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SCIENCE COURSES

Science 7

Science 7 is designed to prepare students for the Science PSSA in 8th grade. This course will provide students with an understanding of the nature of science as well as an introduction to the metric system and scientific equipment. The Earth Science units include mapping, rocks and minerals, plate tectonics, energy resources, freshwater, and oceans. Our studies will also include the atmosphere; weather and climate change, and then explore space. The physical science topics cover forces and energy with a unit on sound and light. Topics will be taught with the creation of interactive notebooks, educational videos, and a variety of hands-on activities and labs to learn about how our Earth and science in general affect our daily lives.

Science 8

This course will cover three main concentrations in science. The first will be an introduction to Chemistry. Students will begin with matter and the structure of it. They will then discover the interactions of matter including the states of matter, changes in matter, types of matter, and bonding. Students will then study chemical reactions and finish with acids, bases, and solutions. The study in Chemistry will last most of the first two semesters of the school year. Near the beginning of the third quarter the students will study Biology. We will begin with the cell and processes of the cell. Then the focus will be genetics, DNA, and mutations. The study of Biology will end with current studies and technologies in the field of genes. By the last quarter of the year our focus will be organisms and their environments. The students will study ecosystems, cycles of matter in nature, and biomes of the world. The year will end with a study of resources for human use and the management of those resources. The students will also learn of current problems facing the human species locally and globally.

Science 9

The first ½ of the year in science 9 the students will take a more in depth look at chemistry to build upon what they learned in science 8. We will discuss matter, states of matter, changes in matter, and chemical equations. The students will study the periodic table of elements and how different elements interact. This will take most of the first semester with a look at acids and bases in solution at the end of semester one. Semester two will cover the organization of life, structure and function of prokaryotic and eukaryotic cells. Students will study viruses, and how disease is spread. The last quarter of the year will be spent studying ecology.

Physical Science

This course begins with an in depth look at forces, motion, and energy. Acceleration, velocity, Newton’s three laws of motion and gravity are the first two chapters. Then we will take a look at work, power, and machines. We will also discuss types of energy. In chapter four the students will study energy with an extensive look at heat and temperature. Waves are covered in general in chapter 5 then an in depth look at sound waves and light waves in six and seven respectively. Field forces will end the year with a study of magnetism and electricity. If time permits the students will study the solar system and how the content of the year applies to it.

Prerequisite: Student must have passed Biology

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Biology

This course is designed to introduce students to the characteristics of living things. This course focuses on preparing students for the Biology Keystone Exam and issues relevant to the students. Students will use reading and writing skills as well as several laboratory experiences to further their development of science terms, concepts, and skills. The course begins with an introduction to science process skills and a brief tutorial of basic chemistry. Students then study the basic molecules needed by all living organisms and how these molecules are used for energy. Cell structures and functions are studied in detail as well as cell transport. Students then study a detailed unit of genetics and the inheritance of DNA. Students will also study the classification of living organisms. The course will end with a unit of the dissection of frogs to study the systems of the body.

*Biology II

This course is designed to prepare students for college science courses. Students will use prior knowledge in chemistry and basic biology to focus more on molecular biology. Mathematics will be applied frequently to enhance the understanding of molecular and cellular science. The course begins with an introduction of studying sciences of all kinds. A detailed study of biochemistry will follow. Students will test their own urine for different biomolecules. Cell structures will be reviewed briefly to prepare the student for a detailed study of blood cells. Students will determine their own blood type in the lab. Current research in stem cells will be discussed. An intense unit of diseases will incorporate immunology. Students will study classification by dissecting a variety of organisms that may include fetal pigs, cats, sharks, minks, and other smaller organisms (all laboratory prepared). A plant unit will be incorporated where students will grow their own plants and test different growing techniques to study photosynthesis and plant hormones. Students will study genetics and gene expression.

Prerequisite: Grade of at least a C in Chemistry and a C in General Biology.

Chemistry I

This chemistry course consists of both classroom and laboratory study. Basic laboratory skills are stressed, and labs are used to introduce and reinforce a chemistry concept taught in the classroom and laboratory. Major concepts involved are unit conversions, the atomic theory, periodic law, ionic and covalent bonding, writing and balancing equations, mole concepts, gas laws, physical states of matter, equilibrium, solution chemistry, oxidation, and reduction and an introduction to organic chemistry. Students will also be given an introduction into writing lab reports.

Prerequisite: Biology and Algebra I

*Chemistry II

Chemistry II is designed as a course for those students who plan to pursue a career in a science/health field. This chemistry course consists of both classroom and laboratory study. The subjects of organic chemistry, stoichiometry, redox reactions, spectroscopy, rates of reaction, thermochemistry, and nuclear chemistry are taught at an advanced level. The most up-to-date information in Chemistry is also explored; and investigative research is done on a controversial topic. Proper analytical lab techniques in accuracy and precision are stressed.

Prerequisite: A C or above in Chemistry I and enrollment/completion of Alg/Trig (also with a C or above)

*AP Chemistry

An advanced course designed to be equivalent of the general chemistry course usually taken during the first year of college. Lab work will be included with laboratory writing techniques. Areas of focus are structure of matter, states of matter, reactions and descriptive chemistry will be the primary focus with topics such

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as atomic theory, chemical bonding, gases, liquids, solutions, reaction types, stoichiometry, equilibrium, kinetics, thermodynamics, and organic chemistry reactions.

Prerequisite: A C or above in Chemistry and enrollment/completion of Algebra/Trigonometry or Pre-Calc

**Physics**

Upon completion of the course, the student will be able to perform the following tasks: use speed and velocity to solve time and displacement problems (linear and circular motion); use mathematical and graphing skills to solve vector problems; use the Universal Gravity equation; use the property of equilibrium to explain torque; use Newton’s laws of force to identify everyday forces and find net force; use the Law of Conservation of Energy; explain processes in light and sound waves; calculate quantities in electrical circuits using Ohm’s Law and learn skills needed to do laboratory experiments with accuracy and precision.

*Prerequisite:* Completion of or current enrollment in a mathematics course equivalent to or higher than Algebra II.

**Environmental Science**

This is an interdisciplinary course designed for students to understand that the interactions of organisms with the biotic and abiotic components of the environment are linked to scientific, economic, and social issues. The course starts with an introduction to scientific tools and a historical view of environmental concepts. Then the concepts of ecology, evolution, and genetics are reviewed and expanded upon. The second part of the course focuses on the pollution of land, air, water, mineral and energy resources, climate change, and environmental health and regulations. Typically, two field trips are taken throughout the year which may include landfills, water testing, and/or sustainability.

Prerequisite: Biology; required as a component of the Biology Keystone Exam remediation.

**Forensics**

This course is a senior and junior science elective that explores the popular concepts of crime fighting using science applications in part of a team effort. Students should be interested in a hands-on, laboratory intensive course that incorporates biotechnology, earth sciences, mathematics, history, and political science. Course topics include: crime scene investigation and evidence collection; trace evidence examination of hair, fibers, fingerprints, glass, and impressions; blood and blood-spatter examination; forensic analysis of DNA; handwriting analysis; entomology; botany; and more. Note: Forensics is not recommended for any student that is apprehensive about seeing and testing blood or reading and viewing morbid case studies.

Prerequisite: A C or above in Biology, Chemistry, and Alg/Trig.

**Applied Agricultural Science**

The agricultural science course offers students experiences in plant science, animal science, aquaculture, environmental science, and landscaping. In addition to classroom instruction this class will be utilizing the greenhouse and gives students real life experience. The focus of this course is to develop students who are knowledgeable in different aspects of everyday life. The skills learned in this course are applicable to students future lives. This class is available for students as an elective course and will not take the place of their 3 required science courses for graduation. The class is available for 10-12 graders.

Prerequisite: Intro to Ag Fabrication and successful completion of Biology

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SOCIAL STUDIES COURSES

American Cultures I

This eighth grade course traces the flow of historical events from the American prospective, with an emphasis on the unique role played by Pennsylvania dating from the Revolutionary War to the assassination of Abraham Lincoln at the end of the Civil War. Particular attention is devoted the formation of the Constitution, the structure of the federal government and the Bill of Rights.

American Cultures II

This course picks up where AC I left off- with the assassination of Abraham Lincoln. Tenth grade students trace the development of the United States from a comparatively prosperous but isolated country to a world “superpower.” Beyond the analysis of great events, personalities, and ideologies, students gain an appreciation of the importance of cultural diversity, geography, democratic values, economics, global relations and technology in shaping America’s past, present and future. The unique role played by prominent Pennsylvanians is highlighted. Current events issues are also incorporated into the class.

American Cultures III

This is a semester long elective course designed for juniors and seniors who want to know the rest of the story! Picking up where American Cultures II leaves off at the end of the Vietnam War (1975), the students will experience the history of their parents’ lives, as well as their own. Major topics include Watergate, the Iran/hostage crisis, Reaganomics, the Iran/contra scandal, the Persian Gulf War, the impeachment of President Clinton, 9/11, and the election of America’s first African American president.

World Studies I – Seventh Grade Social Studies

World Studies I is a seventh grade survey course intended to familiarize students with different cultures and the geographical and cultural terms associated with their relative and absolute locations. Units of study will include geography (physical and human), including spatial interaction and cultural diffusion, the Stone Age, Mesopotamian societies, Egypt, Greece, Rome, and World Religion and Philosophy. Particular emphasis will be placed on the study of lifestyles, religions, conflicts, and overall cultures of these people. The student will peek through a window in time to see what life was like for the ancient empires of the world. The ultimate goals for this course are to create enthusiasm regarding the study of history, a desire to become a lifelong learner, increase reading comprehension, and to promote cultural diversity.

World Studies II

The World Studies II course is the needed social studies course for the ninth grade. World Studies II focuses on the history and cultures of empires and nations that formed during the period of history from the fall of the Byzantine Empire to the modern era. While studying the history, additions of music, food, culture, education, and lifestyles are investigated, providing a more in depth examination of the areas of the world that students may encounter in their careers. Key concepts of geography, economics, politics, and the other social sciences will also be incorporated into the curriculum. The course will focus on the history makers and key events that have shaped the world.

Sociology

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This is an elective course open to senior high students. It is a semester long course with one half (.5) credit value. Sociology is the study of human social behaviors from the group rather than an individual perspective. In this course, the basic sociological elements for understanding the relationship of society and individuals will be examined. These elements include social structure, institutions and roles, culture, sex and gender, social class and stratification, social change, socialization, and deviance. Students will use their sociological imaginations to examine events from their personal lives and apply them to the theories of sociology created by Comte, Weber, Spencer, Martineau, and Marx. The goal is to introduce a sociological analytical perspective. At the conclusion of the course, students will be able to successfully identify the patterns in social relationships. Class participation is mandatory.

**Law and Justice I**

This is an elective course open to senior high students. It is a semester long course with one half (.5) credit value. This course is designed to help develop skills for students interested in the law and legal system of America. The course will focus on four main units. Unit I will outline the legal system in America, its organization, the difference between trials, appeals, and the federal and state court systems. Unit II, Citizen Advocacy, will help students identify problems in their community, state, and country. Unit III, Alternative Dispute Resolution, will outline the steps that can be taken outside of the courtroom to avoid serious conflicts. Unit IV will begin with an overview of crime in America, examining the nature and causes of crime and its relationship to gangs, guns, alcohol, and drugs. The course will conclude with a thorough examination of the affirmative defenses that can be utilized during the criminal law process in America. Upon completion of this course, students will be able to analyze, evaluate, and possibly resolve complex legal issues. Class participation is mandatory.

**Law and Justice II**

This is an elective course offered every other year open to senior high students that have taken and passed the Law and Justice I course who are interested in pursuing a career in law. This course will focus on five main units of study. Unit 1 will focus on Affirmative Defenses to criminal charges and issues of Deviance. Unit 2, the Constitutional Criminal Procedure, will focus on such topics as investigations, adjudications, evidence, hearsay, and juvenile justice. Unit 3 will focus on Torts, which deals with the legal arena of personal injury law, negligence, and the defenses to negligence. Unit 4 deals with Consumer and Contract Law, and will explore all of the elements that go into a contract. Attention will be paid to consumer contracts, leases, etc. Unit 5 will deal with Family Law. The focus will be on adoption, divorce, custody, and estate planning. Class participation is mandatory in this elective and counts for a class grade.

Prerequisite: Completion of Law and Justice I.

**Current Problems**

This elective course designed for upperclassmen focuses on global, national, state, and local newsworthy events. In a variety of ways, students discuss and analyze problems facing citizens and governments around the world. In studying current problems, students will be learning about all areas of social studies including geography, history, politics and government, sociology, and influential people. Class discussion is strongly encouraged.

**Psychology**

Psychology will be an elective for the tenth through twelfth grade levels. It is designed to present a basic overview of the key definitions of psychology and how it has been used to research human behavior and thought. Students learn the most well known psychologists such as Piaget, Bandura, Skinner, Watson and Freud, and what they theorized and did for the field of psychology. Class discussions, research, and media sources are used to make the class more interesting. This course is designed to present major areas of thought like learning, sleep, dreams, memory, and abnormal psychology. Psychology will more fully prepare our students for introductions to psychology at the college level. As should be known, students do not come away from this class with the ability to diagnose problems of others. They should have a better understanding of human behavior, problems that can occur in the mind, and how their minds work.

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*AP Psychology

The AP Psychology course is a rigorous systematic and scientific study of the behavior and mental processes of human beings and other animals within a yearlong course. Students are exposed to the psychological facts, principles, and phenomena associated with psychology. They also learn about the ethics and methods psychologists use in their science and practice. The class will cover all the topics described by the College Board in order to be prepared for AP Examination: History, Approaches and Research Methods, Biological Basis of Behavior, Sensation and Perception, Consciousness, Learning, Memory, Thinking, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, and Social Psychology. At the end of this course, students will have the opportunity to pay the College Board for the chance to take an examination for possible college credits.

*AP U.S. History

AP U.S. History is a full year course, designed to provide students with critical thinking skills and knowledge necessary to process issues and events in American History, enabling them to transfer this knowledge forward to an understanding of college courses. Students will develop the ability to analyze and interpret a variety of resources and be able to demonstrate mastery of the use of historical documents, maps, and graphic illustrations and/or photographic evidence of historical events. Engagement with the rest of the world from the first colonization of Europeans in the “New World” to the present will be explored. This will include the study of colonialism, imperialism, and the cultural exchanges that have shaped our world. Also to be discussed will be the theme of “Social Reform” and the effect on women, minorities, and ethnic groups throughout America’s history. Students will be able to express themselves clearly and concisely, demonstrating understanding of the subject matter.

*AP U.S. Government and Politics

This is a full year course open to senior high students. AP United States Government and Politics is an intensive study of the formal and informal structure of government and the processes of the American political system, with an emphasis on the responsibilities of citizenship. This course is designed to prepare students for the AP exam.

Civics/Economics

This course is a full year course split between two disciplines. In the first half of the year, we will be studying American Government and civic participation. The structure of government will be the basis for the course yet the objective is to develop each student as an active, responsible and knowledgeable citizen and participant in the governing process. Topics discussed at length include the U.S. Constitution, Executive Branch, Legislative Branch, Judicial Branch, voter registration and political parties. The second half of the year will be devoted to the study of economics. Global, national and local economies and economic theories will be examined. The students will also be given a brief introduction to the personal finance skills needed to be an active and responsible participant in society and the economy. Topics discussed at length include types of economic systems, supply and demand, inflation, unemployment, recessions, depressions, the federal reserve, and banking and investing.

*Indicates Weighted Courses
FOREIGN LANGUAGE

Spanish I

Spanish I is a yearlong elective course. The early lesson content consists of mastering several adjective pairs, regular and irregular adjective comparisons, and demonstrative adjectives and pronouns. Subsequent lessons cover the entire present tense of regular and irregular verbs, subject pronouns, placement of adjectives, expressions using tense, pronouns following prepositions, and two vocabulary lists per lesson. Historical and cultural topics are discussed.

Spanish II

Spanish II is a yearlong elective course. The content consists of Spanish possession, singular and plural possessive adjectives, present tense of “gogo” verbs, types of verbs that precede and follow preposition “A,” double negatives, singular and plural direct and indirect object pronouns and their position, present tense stem changing verbs, and reflexive verbs. Subsequent lessons cover the past tense of regular verbs. Historical and cultural topics are also discussed. Successful completion of Spanish I (C or better) is a prerequisite to enroll in this course.

Spanish III

Spanish III is a yearlong elective course. The content consists of – among other material – the past tense of irregular, stem changing verbs, regular and imperfect past tense of verbs, singular and plural formal commands, position of direct, indirect and reflexive object pronouns. Historical and cultural topics are also discussed. Oral and aural comprehension evaluations, vocabulary and grammar quizzes, workbook tests, and chapter tests determine performance for each lesson. Additional practice homework, workbook assignments, worksheets, and final exams will be part of the course grade. Successful completion of Spanish II (C or better) is a prerequisite to enroll in this course. Emphasis is on listening and speaking. Curriculum is delivered digitally.

Spanish IV

Spanish IV is a yearlong elective course. The content consists of a thorough, yet swift review of articles, contractions, present tense (regular, irregular, and stem changing verbs), formal commands, object pronouns (direct, indirect, and reflexive) used alone or together and their position. Also covered are regular and irregular, reflexives and verb meaning changes, regular and irregular familiar commands, past participles, present perfect tense, present participle, and future and conditional tense. Historical and cultural topics are discussed. Comprehension evaluations, vocabulary and grammar quizzes, workbook tests, and chapter tests determine performance for each lesson. Additional practice homework, workbook assignments, worksheets, and final exams will be part of the course grade. Successful completion of Spanish III (C or better) is a prerequisite to enroll in this course. Emphasis is on listening and speaking. Curriculum is delivered digitally.

*Indicates Weighted Courses
determine performance for each lesson. Additional practice homework, workbook assignments, worksheets, and final exams will be part of the course grade. Emphasis is on listening and speaking. Curriculum is delivered digitally.

**French I**

French I is a yearlong elective course. The initial lesson content consists of mastering an irregular infinitive, possessive adjectives, and adjectives that precede the noun. Subsequent lessons cover additional irregular verbs, contractions, near future, numbers form 601000, and the partitive versus the definitive article. Historical and cultural topics are discussed. Comprehensive evaluations, vocabulary, grammar quizzes, and workbook tests and chapter tests determine performance for each lesson.

**French II**

French II is a yearlong elective course. The content consists of regular “ir” and “re” infinitives, the adjectives “quel” and “tout,” nouns and adjectives that end in “al”, demonstrative adjectives, stress pronouns, adjectives with a double consonant, and additional irregular verbs. There is a major unit test given after every fourth chapter. Historical and cultural topics are also discussed. Successful completion of French I (C or better) is a prerequisite to enroll in this course. Comprehensive evaluations, vocabulary, grammar quizzes, and workbook tests and chapter tests determine performance for each lesson.

**French III**

French III is a yearlong elective course. The content consists of additional irregular infinitives, irregular adjectives, the comparative of adjectives, and the superlative of adjectives, reflexive verbs, verbs with spelling changes, the interrogative pronoun “qui”, supplemental negative expressions, and asking questions formally and informally. Historical and cultural topics are also discussed. Dictations on dialogues, vocabulary and grammar quizzes, and chapter tests determine performance for each lesson. Additional homework (from the text and worksheets) and a final exam will be part of the course grade. Successful completion of French II (C or better) is prerequisite to enroll in this course. Emphasis is on listening and speaking. Curriculum is delivered digitally.

**French IV**

French IV is a yearlong elective course. The content consists of past tense of regular verbs, using qu’est ce que” in questions, past tense of irregular verbs, the interrogative pronouns, “qui” and “quoi,” direct and indirect object pronouns, commands, additional irregular verbs in present and past tense, prepositions with geographic names, past tense of “etre,” past tense with “avoir” or “etre,” and the indirect object pronouns “lui” and “leur.” Historical and cultural topics are discussed. Vocabulary and grammar quizzes, homework from the textbook, supplemental worksheets, and chapter tests determine performance for each lesson. A final exam will also be part of the course grade. Emphasis is on listening and speaking. Curriculum is delivered digitally.

*Indicates Weighted Courses
BUSINESS TECHNOLOGY

(All courses stress the importance of Internet safety)

Business Internship

This is a chance for juniors and seniors to obtain real world experience in a business or computer technology field of which they are interested and may pursue after high school. Examples of internship possibilities: Web page design and maintenance, HTML, video creation, programming, graphic design (creating posters, programs, etc.) Students must be strong independent learners, highly motivated and will go through an application/interview process with the business department teachers.

Google Exploration

This is a mandatory nine week course for all seventh grade students. Students learn how to use Google applications for personal and classroom use. They will work in Google Classroom, Gmail, Calendar, Docs, Spreadsheets, and Slides. They will learn how to create events for which they will invite and share with others plus share, edit, and add to each other’s Docs, Spreadsheets, and Slides.

Digital Citizenship & Tech Showcase

This is a mandatory nine week course for all eighth grade students. This course serves as a primary component in fulfilling the Children's Internet Protection Act (CIPA) at Clarion-Limestone. Because the Internet has changed the way we communicate and survive, students need to be able to safely navigate in an ever changing global society. We will primarily cover CIPA, Internet safety, social networking, email, and cyberbullying. While working on projects in the class the students will learn new apps and technologies.

Careers

This is a mandatory course for all ninth grade students. Students learn tools of career and college exploration. Discussion and research are emphasized. Personality, aptitudes, values, and self tests are utilized to create a profile that will match the student to career(s). This year begins students’ serious investigation into plans for post high school careers.

Personal Financial Management

This is a mandatory nine week course for all tenth grade students. The course will be a continuation of the ninth grade career course using the career they chose in ninth grade as a basis for their job search, resumes, and cover letters as well as their income when budgeting. The students will learn how to write checks and reconcile their checkbooks, set and plan financial goals, and create budgets, look for and apply for jobs.

*Indicates Weighted Courses
Multimedia Applications 1

This is a mandatory course taken by students in eleventh grade. Students will learn how to create professional designs by utilizing text, graphics, sound, animation, and video into different computer applications. The projects range from graphic design to presentations to video editing along with eportfolios.

Accounting

Easy To Learn, step by step introductory accounting course. Recommended for anyone considering going into any business major, criminal major, restaurant and hotel management, or engineering. Also recommended for anyone considering opening their own business, working as a hairstylist, or would like to obtain a job out of high school in an office of a business. Can be an independent study.

Consumer Economics and 21st Century Business Communication

This course is a yearlong elective course which is highly recommended for juniors and seniors. Students will learn a variety of skills that will help them to function effectively as adults. The students will explore more deeply into personal finance, including budgeting, researching colleges and preparing budgets for college or after high school, learn about various insurances, searching for and furnishing an apartment, how to read their paycheck and complete income tax forms. They will also learn about buying a house and car, work on scholarship applications, and other important concepts they will need to live on their own. They will delve into the world of networking using social media and proper communication in other countries as part of international business. They will learn about the customs and the culture of business in other countries like how to properly introduce themselves, if gifts are expected, the foods, etc.

Computer Applications

A yearlong course for students in ninth through twelfth grades gives the students detailed exploration and instruction in Microsoft Office and other software applications that includes Word, Excel, Desktop Publishing, and PowerPoint. Students also explore how computers work, and appropriate Internet searching, etc. This class is essential for students to learn how to use the computer efficiently for almost any task that will be required of them in high school, college, and the workplace.

Introduction to Business & Entrepreneurship

This is a yearlong elective course for tenth through twelfth grade. Students learn about basic categories of the business world including marketing, advertising, personal finance, accounting, etc. After learning about business basics, the students will explore the concepts of business ownership. Students will be exposed to a multitude of simulations and real world applications through textbook work and hands-on activities. This class is highly recommended for all students pursuing business majors in postsecondary institutions and those interested in immediately entering the world of operations, ownership, or management.

Multimedia Applications II

A sequel to Multimedia Applications 1, the students take multimedia design to the next level. Students are responsible for creating higher level projects with further storyboarding and video editing. The students create several genres of videos and have opportunities to enter contest.

*Indicates Weighted Courses
Web Page Design

In this elective one credit (1) course for juniors and seniors, students learn concepts of appropriate web design for various target markets. The students learn web development software. The students will help with the design and upkeep of the school’s website.

Sports and Entertainment Marketing

Using topics in the sports and entertainment industries, the text and multimedia supplements cover the basic functions of management as outlined in national and state standards for the first half of the year. Management topics discussed include: leadership, finance, product management, people management, information management, legal and ethical issues, customer relations, sales management, managing change, and career development. This intermediate/advanced simulation is different from other typical document production simulations in that it provides students unique opportunities to go beyond the basics as they apply creativity in problem solving, decision making, flexibility and more. The student’s position in this simulation is Assistant Director of The Sports Connection, a 10 simulated company. During the second half of the year, Marketing takes you on a step-by-step journey through the world of marketing. Students encounter and learn about the key functions of marketing and how those functions are applied to sports and entertainment. Each marketing function is incorporated throughout the text and highlighted with an icon to indicate how it is used in the marketing process.

Accounting II

A sequel to Accounting I, this course is the more advanced level of Accounting usually taken by those students who are planning to pursue additional training in the areas of accounting, marketing, or business administration. Students will cover the following areas of concentration: partnership and corporate accounting, payroll, depreciation, and individual income tax preparation.

*Indicates Weighted Courses
INDUSTRIAL ARTS VOCATIONAL AGRICULTURE

Introduction to Agricultural Fabrication (8th)

Introduction to Ag Fabrication is an entry level Industrial Arts course designed for students that plan on taking any wood, metal, ag, or drawing classes in the future. The students will learn to identify and use the proper tools safely on different types of construction materials. All the projects in this class will follow the steps of the design process. This is a nine week class.

Introduction to Agricultural Construction (8th)

This 9 week class will focus on measurements and the use of woodworking hand tools through the construction of a lamp project.

Ag Welding I (9-12)

This class focuses on the study of metallurgy through the processes of forging, casting, machining and welding. The student will become proficient with the use of 6010 and 6013 stick electrodes in three positions on 1/8-1/4” steel and conduct destructive tests. Students will produce several small projects.

Ag Metal Fabrication (10-12)

This class focuses on the introduction to sheet metal welding, lathe, bandsaw, and milling, and polishing of cast and billets materials as they pertain to simple systems in complex machines.

Ag Equipment Systems & Advanced Welding (10-12)

This class focuses on the study of pneumatics, hydraulics, drive trains, and multi-cylinder engines. Concentration on the welding processes in MIG,TIG,Stick and Oxy Acetylene. Separating Metals with Saws, torches, and plasma cutters. Students will prepare for the ICAR test and learn GMAW and SMAW standards through welding practices from 20 ga.-3/4” thick steel and Aluminum in all positions. The students will also learn the fundamentals of 2-6 G welding process.

Ag Machining & Engineering (10-12)

This class focuses on the advanced studies in machining to produce billet or cast parts that are machined to a tolerance of .003” on conventional machines. Students will study blueprint reading, gear and thread, and fit classification. This class focuses on the study, design, and fabrication of an advanced machine system. Examples: high-lift bucket, hay elevator, log splitter.

Ag Construction & Small Engines (9-12)

This class focuses on the safe use of hand power tools as they pertain to architectural structures, the fastening of subsystems, and plumbing and electrical circuitry, schematics, and nomenclature. This class will also focus on the nomenclature, systems, troubleshooting and documentation of both 2 and 4 stroke engines. During the second semester students will be able to diagnose and repair their own or a client’s engines.

*Indicates Weighted Courses
Ag Welding II (10-12)

This class focuses on the advanced study of metallurgy through multiple welding processes in all positions. Including stick, and Oxy/Acetylene. Students will study blueprint reading and learn schematic symbols. Students will manufacture a welded project with metal from 3/16 to 3/8” thick.

Advanced Ag Engines (10-12)

This class focuses on the troubleshooting and repair of Multi-cylinder gas and diesel engines. Including the study of alternative fuels and their benefits. Students will be encouraged to bring equipment in for repairs.

Senior Ag Fabrication

This class focuses on the use of hand and stationary power tools to fabricate wood structures such as decks, walls, roof systems, and finishing of interior and exterior surfaces. Students will produce a tile top table and study advanced joinery techniques. This class focuses on the design development of an advanced agriculture related project to include the study of marketing and entrepreneurial aspects as a cap stone to the Agricultural courses.

SAE Supervised Agricultural Experience (9-12)

This experience is required in conjunction with an Ag. Class to further one’s career through the development of a business plan and execution the implementation of the business or the placement in a career setting.

Wood 7

Throughout the course, the student will learn to recognize that the effective way to get a job done is the safe way. Students develop responsibility and craftsmanship through assigned tasks, assess the impact of forest products and raw materials to their daily lives, and become aware of the career opportunities in wood industries and how to prepare for them. Wood 7 will introduce students to general woodworking tool usage and general woodshop working procedures, and students will learn to identify the various types of materials used for sandpaper and to describe the grading system of abrasives. This is a nine week class.

Wood I

The student will learn to identify safety considerations dealing with hand tools and machines, demonstrate proper measuring techniques, identify wood and its properties, and demonstrate basic squaring procedures on a piece of wood. Students will be hand planing flats and chamfers, inlaying, and gluing flat build ups. Students will also demonstrate proper care and appreciation for hand tools and read and follow basic blueprints.

Wood II

The student will be able to identify safety considerations when dealing with hand tools and machines, demonstrate proper measuring capabilities, demonstrate proper care and appreciation for hand tools, demonstrate basic squaring procedures on a piece of wood, read and follow basic blueprints, determine which type of

*Indicates Weighted Courses
construction best suits their project needs, and construct projects with a high degree of proficiency. The joinery focus will be on mortise and tenon, and hand cut dovetails.

**Prerequisite:** Wood I

**Wood III/IV**

The students will receive instruction centered around developing a continuous safety awareness for themselves and others, identifying safety considerations when dealing with hand tools and machines, demonstrating correct and efficient measuring capabilities, and identifying wood and its properties. Students will also demonstrate proper care and appreciation for hand tools, demonstrate basic squaring procedure on a piece of wood, read and follow basic blueprints, determine which type of construction best suits their project needs, and construct them with a high degree of proficiency. The student will make specialized wood joints and recognize how construction methods relate to the quality of a project.

**Prerequisite:** Wood II

**Intro to Mechanical Drawing (9th)**

Mechanical Drawing is a mandatory, nine week class (one grading period) for all ninth graders. The course is designed to help students develop an understanding of the drafting industry and develop some basic drafting techniques of their own. Students will learn to use drafting tools safely and correctly, and will be exposed to the types of drawings that are used to communicate graphically. This is a nine week class.

**Mechanical Drawing I**

Students will use their drafting equipment safely and correctly. Students will identify and draw several types of drawings, such as auxiliary views, sectional views, threads & fasteners. Students will also complete several types of developmental drawings. The second semester is centered around residential architecture and we finish the course with the study of truss and bridge design.

**Mechanical Drawing II**

The student will use the drawing equipment and tools safely and correctly. The class will continue to work on developmental drawings, and will layout and design floor plans of a residential house. The floor plans and door and window schedules will be completed before they are put on the computer. Terminology and house construction will be covered. We will focus on green technology and creating a smaller footprint. Students will be introduced to 3D modeling and printing. Each student will build a model home.

**Prerequisite:** Mechanical Drawing I

**Mechanical Drawing III**

The students will take the knowledge, skill, and floor plans and, using **CADD**, will draw a complete set of working drawings, which will include elevations, wall sections, door and window schedules, floor plan, electrical plan, and a plot plan with utilities and septic. Students will have an advanced study in 3D modeling and printing of mechanical systems in a reverse engineering format or advanced studies in Architecture to include building a scaled model. Students will complete a unit on programming followed by a unit on Robotics.

**Prerequisite:** Mechanical Drawing II

*Indicates Weighted Courses*
ART COURSES

Art 7
This class reviews the elements and principles of art by defining them and using them in works of art. Students compare and contrast realistic art and abstract art. Students are required to give constructive critique and do self-evaluations. Proper use of tools and artistic mediums is covered in this class since a wide range of tools and art supplies are used. Picasso and Seurant are the artists studied in this class.

Art 8
This class continues where the seventh grade curriculum left off. Artists studied in this class are Vincent Van Gogh and Paul Cezanne. Students will draw and paint designs inspired by these artists' styles. Portraiture is also a focus in this class. Students will draw a self-portrait using the grid method after practicing the parts of the face. Students will study some of the mediums we used in 7th grade but at a more advanced level. Sculpture will be introduced in this class.

Art 10
This class begins with color theory mixing tints and shades of colors to prepare for painting landscapes in acrylics. Students will draw and paint a design that represents surrealism, realism, and steampunk. If time permits, students will be introduced to pottery or sculpture.

Art I (Tenth – Twelfth Grades)
This class is an elective. Students choosing Art I can expect to try many mediums used by artists: drawing tools, graphite pencils, colored pencils, pen and ink, pastels, oil pastels, oils, acrylic and watercolor. Sculpting mediums used: ceramic clay, found objects, polymer clay, plaster craft tape, cement, wires and cardboard. Glass etching, metal tooling, linoleum block prints, silkscreen and mono prints are also used. Along with learning the listed mediums, students will complete famous artist reports and multicultural projects. Students work at different speeds, allowing time for independent projects that are developed by the student and approved and graded by the art teacher. We will study landscape composition, modern art, pop art, Japanese art forms, African art forms, multiple artists, the Renaissance, etc. In this class, students use the library frequently to study images of different historical periods, art history or just to research ideas to develop into an independent project. Students are given as many artistic experiences as possible to help them prepare for future art classes.

Art II (Eleventh and Twelfth Grades)
This class is only offered to students who have completed Art I. The class uses all the same mediums as Art I; however, the topics and expectations are more advanced. The student is given more choices for subjects and a few more open ended assignments to allow for individual creativity.

*Indicates Weighted Courses
Art III (Eleventh and Twelfth Grades)

This class is Art I and Art II. At this level, we do a nine week unit on drawing, one on painting, one on ceramics and one on glass. There are teacher directed assignments as well as independent student directed assignments. If students complete assignments early and want to do an independent project that is not the unit topic, they may do so as long as they are able to move back to the teacher directed assignments. Art I, Art II, and Art III are in the same classroom at the same time. This allows Art III students to develop leadership tasks to help the Art I and Art II students.

Art IV

This class is offered to students who have completed Art I, Art II, and Art III. At this level of art, students can choose to concentrate in one subject for the entire year. They can choose to vary the mediums for their art. At this level, there is no copying from others to learn a medium because they have experienced enough to know their strengths. The focus is on meaningful art; art that makes the viewer think. The student is expected to utilize higher level thinking, as well as advanced art skills at this level. Art history and famous art studies are still part of the curriculum. Like Art III, students will be creating a portfolio of their work. They will be encouraged to exhibit their artwork in the community and be involved in some art competitions.

*Indicates Weighted Courses
MUSIC

Seventh Grade Chorus

This is a beginning one half (1/2) year chorus open to all seventh grade students. The fall choir performs in the Open House and Christmas concerts, and the spring choir performs in the Pops concert and jr. high musical (when available). The focus of this class is on proper breathing and vocal techniques as well as stage presence and movement. If the chorus is able, two part singing will be utilized. All classroom learning is done in a cooperative learning atmosphere.

Eighth Grade Chorus

This is a second level beginning choir that meets the entire year. The eighth grade learns a variety of music including at least one foreign language song. The focus of this course is to develop two and three part singing. Sight Reading is an integral part of this process and will be explored frequently. Level 2 and 3 music will be used, and movement skills for stage partnering will be introduced. When available, a jr. high musical will be incorporated. The students will be involved in the complete audition process of the musical. All speaking roles will be taken from the eighth grade class.

Ninth Grade Chorus

This choir is a preparation class for senior high chorus. The students will be taught vocal techniques for the changing voice, as well as reading music in the proper clef. Three Part harmony will be used with explorations into four part harmony when appropriate. A variety of musical styles will be incorporated, as well as staging and partnering work. The students will perform in Open House, Christmas and Spring Pops concerts, as well as the junior high musical (using separate music). This chorus also becomes the stage and tech crew for Evening with Sensations preparing them for senior high chorus the next year.

Girls Chorus

This is a voice class to train the female voice. An extensive warm up regimen is used to strengthen the voice and train the ear. Three and four part harmony is taught as well as vowel placement and proper vocal health for the female voice. Advanced movement and staging will be utilized.

Boys Chorus

This class is for the male changing voice. It will teach men proper tone production, listening, and sight reading skills. The men will learn to sing harmony against the women and expand their vocal registers through a variety of music. We will also utilize movement as well as comic acting techniques in performance.

Concert Choir

This is a senior high, non auditioned choir. This choir meets two out of six days. All Sensation members must be in this choir. The focus of this choir is on four part singing. We use a variety of pop, classical, sacred, and secular music to accomplish this. Every spring, a major musical medley is performed. All concert choir members perform in all concerts and attend all senior high trips and tours.

*Indicates Weighted Courses
Sensations

Sensations is an auditioned choir. Students are critiqued on their singing as well as dancing and movement abilities. A teacher evaluation is used to determine attendance, cooperative learning skills, and respect for faculty and peers. This group is made up of students in grades ten through twelve. All sensation members must be in Concert Choir. This group is a co-curricular performance organization. Sensations perform for school choral events as well as community and social functions. The Sensations perform in all senior high concerts and host their own concert once a year. The group travels to a competitive trip on a three year rotation, traveling frequently to New York City to compete or participate in a performance based workshop with a professional artist. The size of the group will vary depending upon the number of qualified students.

Marching Band/Concert Band

Marching Band/Concert Band is a co-curricular class open to students in grades 7-12. The course begins with summer band camp in mid-August and ends with a performance in the Corsica Parade on July 4th. The marching band is a competitive performing ensemble that requires a significant amount of rehearsal time outside of the school day. Performances, including but not limited to, the Corsica Parade, Strattanville Homecoming, Autumn Leaf Festival, the CCMEA festival, and all football games are mandatory and subject to grading as outlined in the annual marching band policy. Students are also graded on their participation during band camp and in rehearsals.

In addition to these graded events, students may apply to participate in additional marching band events such as Pitt Band Day and Thiel Band Day. Students in this course have the option to participate in the Band Front, an audition only performance group for flags, poms, and/or batons. Auditions will be held in late spring for the upcoming marching season. Band Front members can choose to play an instrument after the marching band season to receive credit for the course.

The remainder of the year focuses on concert band. Students perform in the winter concert, and the Spring Concert. Performance at the Memorial Day Concert is mandatory and is considered the course final. Eligible students may audition/apply for PMEA District Band, District Jazz Band, District Orchestra, Band Fest, the Autumn Symphonic Winds and the Mercyhurst Tri State Honors Band. This course will include at least one written or performance based project each year. Additionally, the band offers an out of state trip at least once every three years. Finally, the participation is required for the entire academic year with the exception of the Career Center Students who may receive ½ credit for completing the marching band requirements as outlined in the Marching Band Policy.

Music Theory

Music Theory is open to students in grades seven through twelve. This course is designed to introduce the elements of music theory including notation, intervals, transposition, chords, texture, cadences, form, key signatures, scales and part writing. Students will have several written projects and tests throughout each grading period. Students will learn basic keyboarding, dictation, and sight singing skills. Content learned in this course may be applied to all areas of music.

*Indicates Weighted Courses
Physical Education and Health

Seventh/Eighth/Ninth Grade Physical Education

This course provides students the continuing opportunity to learn through a developmentally appropriate, comprehensive sequentially planned physical education program. This course will enable students to improve cognitive knowledge and physical abilities in a variety of activities. The focus of this course is the application of movement skills and knowledge to individual, team and cooperative physical activities; the assessment and maintenance of physical fitness to improve health and performance, and the knowledge of physical fitness concepts, principles, and strategies. A dress code is applied for all activities. The Fitnessgram test is required for completion of the class.

Health and Wellness 8

This course will provide students an opportunity to develop an understanding of health concepts, behaviors, and skills that reduce health risks and enhance the well-being of self and others, to set personal health goals, and to evaluate health information. It encourages students to view health as a holistic concept and to pursue a healthy lifestyle. Specific topics will include mental health, human body systems, disease, and drugs.

Foundations of Personal Fitness 10

This course is to motivate students to achieve lifetime personal fitness with an emphasis on the health-related components. The concept of wellness, or striving to reach optimal levels of health is the cornerstone of the this course and is exemplified by students designing their own personal fitness program. Instruction will take place in both the classroom and gym. This is an exercise based fitness course and a dress code is applied for all activities. The Fitnessgram test is required for class completion.

Eleventh/Twelfth Grade Physical Education

This course provides students the continuing opportunity to learn through a developmentally appropriate, comprehensive sequentially planned physical education program. This course will enable students to improve cognitive knowledge and physical abilities in a variety of activities. The focus of this course is the application of movement skills and knowledge to individual, team and cooperative physical activities; the assessment and maintenance of physical fitness to improve health and performance, and the knowledge of physical fitness concepts, principles, and strategies. This class is devoted to physical fitness and lifetime activities. A dress code is applied for all activities. The Fitnessgram test is required for completion of the class.

Health and Wellness 11

This course will enhance the student's knowledge, attitude, behavior, and beliefs to lead a healthy lifestyle. This course will give students the skills and information necessary to make educated and responsible decisions relating to his/her health. Students will learn strategies to achieve and maintain optimal health. Specific topics include mental health, social health, alcohol, tobacco, drugs and sleep.

Strength Training

This course is designed to give students the opportunity to learn strength training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength

*Indicates Weighted Courses
training, aerobic training, and overall fitness training and conditioning. The course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activities for a lifetime.

**First Aid and Safety**

This course will provide students the opportunity to learn skills and techniques in emergency situation. This elective course will provide all of the necessary information, written and practical skill work to become certified by the American Red Cross in first aid, CPR, and AED. Topics include safety inside and outside the home, injury prevention, recognizing and responding to emergencies, emergency care, and the healthcare system. A small fee is required for certification.

**Human Development**

This course provides a detailed study of human growth and development from conception to death. This study through the life span includes anatomy and physiology, social, emotional, cognitive, and cultural influences. Specific topics include reproductive systems, pregnancy, sexually transmitted diseases, contraception/abstinence, infancy, childhood, adolescence, adulthood, and death/dying.

*Human Anatomy and Physiology*

This course provides a knowledge base that is essential for any student interested in a health related career. Students will be introduced to the intense study of the human body. The areas covered will include medical terminology, basic chemistry, cell and tissue structure, and the eleven human body systems. Course work will be combined with lab work.

**Aerobic Fitness**

This fitness course provides an opportunity for students to experience a variety of ways to improve their aerobic fitness. It is designed to develop cardiovascular endurance, muscular strength, flexibility, coordination, and agility. Activities include low/high impact floor aerobics, step aerobics, taebo/kickboxing, pilates, yoga, abs blast, aerobic dance, running, walking, rope jumping, and weight training. A dress code is applied for all class activities.

**Safety and Driver Education**

This course is designed to prepare the student to become a safe and effective highway transportation system user. In addition to learning the basics of driving an automobile, the course will include vehicle maintenance, driver responsibilities, and will also cover highway laws and state permit/licensing requirements.

**Advanced Physical Education 10th-12th grade**

Physical education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. The student will participate in vigorous physical activities that include (1) health-related fitness activities (cardiorespiratory endurance, muscular strength and endurance, flexibility and body composition), (2) team, individual, or dual sports (3) various lifetime physical activities, (4) weight training and (5) outdoor pursuits. It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Ongoing assessment includes both technological and performance-based skill evaluations. This course is open to both females and males.

*Indicates Weighted Courses
ACADEMIC DECATHLON CURRICULUM

Sr. High Independent Project

This course consists of participation in The Academic Sports League and the Academic Decathlon. The theme for each year’s series of competitions changes and is determined by the USAD. This is a one credit elective course. Students can choose to deal with their participation in two different ways, either by attending class every day, or through independent study. Those students who participate in a nonconventional way will be responsible for keeping up with the class work. There are four mandatory competitions that the team participates in throughout the school year. At those competitions, students are tested on essay writing, speech delivery, interviewing skills, and academic assessments of the topic material. The desired outcome is for the team to accumulate points at each competition and earn the right to compete in the state championship. Students who participate in Academic Sports League have the opportunity to earn college scholarships to many of the colleges and universities in PA.

GIFTED CURRICULUM

Gifted Resource – Eighth through Twelfth Grades

Gifted Resource in grades eight through twelve is intended to supplement and enrich gifted students in addition to the regular curriculum. Students are presented with the opportunity to participate in activities that will challenge them beyond the classroom in the hopes of exercising their creative abilities. Students are also given the opportunity to go to the gifted resource classroom during their study hall periods in order to access the resource materials that have been provided to challenge them individually or in conjunction with their classmates.

Seventh Grade Independent Study

This course is designed to provide gifted students in the seventh grade with tools to enable them to make the most of their academic talents. More advanced work is provided in the following areas: study skills and research techniques, independent investigation of content areas, communication and discussion relating to in depth content area topics, problem solving, and critical thinking.

*Indicates Weighted Courses
CAREER CENTER PROGRAMS

Diesel Technology
The skills students learn in diesel technology include preventative maintenance, electrical troubleshooting, air system troubleshooting, engine and drive component disassembly, brake troubleshooting, air conditioning and basic welding.

Police Science
Police science prepares students for a variety of exciting careers in law enforcement such as correction officer, security officer and probation officer. Law enforcement is studied for two years. The third year is spent covering private security and loss prevention. Physical fitness is highly stressed. Students are taught self defense as well as investigating techniques. This program helps to prepare the student for entrance into the police academy or the military. Students who complete the three year program with a “B” average and instructor’s recommendation will receive six credits from Butler County Community College when enrolling into the criminology program.

Computer Networking/Information Systems
This program will provide individuals with the technical skills required to support networks and network users. Possible skill development includes network design, security, website design, computer repair, digital video and sound production. Possible certifications include A+, Network+ and Microsoft Networking. Certifications may be eligible for college visits.

Academy of Allied Health
(Five half days/week – two semesters – three credits)
The Academy is a one year program for seniors. This program is designed to provide the student with a better understanding of careers in the health field and basic nursing skills. This program includes a clinical rotation that gives the student a structured exposure to the interdepartmental functions of a hospital and health care facilities, thereby enabling each student to make a more informed career choice.

Allied Health Science
(Five half days/week – two semesters – three credits)
This curriculum is designed for all individuals interested in medical careers. The program includes background information in medical, nursing, dental, laboratory imaging and rehabilitative occupational areas. Individual course selections include dental assistant, nurse assistant, and medical assistant. Nurse’s aide and dental radiologist certifications are available upon completion of related programs.

Automotive Technology
(Five half days/week – two semesters three credits)

*Indicates Weighted Courses
Students enrolled in the Automotive Technology program will learn the basic fundamentals of automobiles and how to deal with the problems associated with the family car or repairing their own vehicle. The students can also gain the high-tech knowledge they will need to establish a career in the automotive field as a PA state licensed inspector and/or an ASE certified technician.

**Construction Technology**

(Five half days/week – two semesters – three credits)

This program prepares students to find employment in Clarion County’s largest industry. Students enrolled in this program receive training in carpentry, electrical, plumbing and masonry. After an introductory year, the student moves on to building a modular house that gives hands on experience with a full scale project. Skills learned may also be of value when owning a home or rental property.

**Cosmetology Styling Academy**

(Five half days/week – two semesters – three credits)

The Academy’s curriculum consists of hair styling permanent waves, hair coloring, bleaching, straightening, and hair testing and scalp care. Also included in this program is instruction about the skin, which includes facial treatments and cosmetics. Students learn proper manicuring methods as well as sales theory, maintaining clients’ hair record cards, state laws and diseases of the skin. Students may be eligible to become certified cosmetologists.

**Culinary Arts and Hospitality**

(Five half days/week – two semesters – three credits)

Students in this program can prepare themselves with the training necessary for entry level jobs in the food service industry. Skills acquired include commercial food preparation, sanitation, inventory control and cake decorating. Job possibilities include prep cook, baker, waiter and waitress.

**Welding and Fabrication**

(Five half day/week – two semesters – three credits)

Using state of the art equipment, students are trained to become successful in the welding fields. The different types of welding include Oxy Acetylene, arc, MIG, TIG, pipe and dual shield. Plasma cutting, blueprint reading and pipe welding will also be taught. Certification for the American Welding Society may be obtained. Most senior students participate in CoOp their senior year, gaining valuable skills and a paycheck.

*Indicates Weighted Courses*