

BENTON AREA SCHOOL DISTRICT

HIGH SCHOOL ADMINISTRATION

Ms. Coleen Genovese..... Middle/High School Principal
Ms. Lindsay Rado.....Special Education Director

GUIDANCE

Ms. Kelly Kocher.....Middle/High School Guidance Counselor

FACULTY

Mr. Matthew Aten	Ms. Amanda Hack	Ms. Staci Petroski
Ms. Huntington-Aten	Ms. Casey Hackett	Ms. Jennifer Posey
Ms. Melissa Chivers	Mr. Michael Hall	Ms. Christine Readler
Ms. Michelle Correll	Ms. Danielle Hugar	Ms. Donna Rentschler
Ms. BJ Creveling	Ms. Tabitha Hylton	Mr. Nathan Repetz
Ms. Jennifer DiLossi	Ms. Sarah Kay	Mr. Clint Ross
Ms. Lori Fenstermaker	Ms. Jaime Kile	Ms. Tara Varner
Mr. Greg Fritz	Ms. Devon Lyons	Ms. Tina Walters
Ms. Colleen Funk	Ms. Crystal Mahler	Ms. Stacy Wingfield
Ms. Christy Gengler	Ms. Kelly McHenry	Ms. Jodi Wood
Mr. Jacob Golbitz	Mr. Chris Mitchell	Mr. Joe Yankoski

This guide is designed to assist students and parents/guardians plan an academic program that will meet your educational needs while at Benton Area High School. BHS offers a comprehensive curriculum designed to prepare each student for his or her current needs, higher education, or entry into a technical school or work force.

Our program offers challenging standard academic courses, advanced placement and career programs. As you examine the number of course selections in this booklet, please keep in mind not only your short-term needs, but also your long-term goals. Carefully consider your present and past proficiency in all subjects when selecting courses for next year. Understanding that when you select courses for which you are capable, you will be expected to perform to your potential. Failure to perform to your potential is not a valid reason to drop any course during the upcoming school year.

Our school counselor is prepared to assist in all matters concerning course selections, report cards, student academic programs and post-secondary guidance. Students and parents should consult often and freely. It is important that the student and his/her parent/guardian carefully select a program of study that is best suited to the student's needs. If any questions concerning course selections should arise, please call the school counselor's office at 570-925-0936 and arrange for an appointment.

Program Changes and Withdrawal Procedures

Requests for schedule changes SHOULD NOT be delayed until the school year begins in August. Those students who will be unable to meet on the days designated for schedule changes must make their changes before the 1st day of school.

The last day to request a schedule change will be 8/29/18. Any changes after that date will require a written request from the parent. Parents must then come in for a meeting which will be scheduled no later than 3 days after the request. Consultation with the teacher, student, parent/guardian and the guidance counselor will occur. The building principal will approve/disapprove the request. Dropped classes after 8/29/18 could result in a DROP/PASS or DROP/FAIL on the transcript.

*The Benton Area MS/HS reserves the right to modify schedules bases on classroom needs/sizes, teacher recommendation, changes recommended by IEP team/School Psychologist, and/or administrative directed changes.

Scheduling Guidelines

High School Graduation Requirements

Every student must obtain at least 25 units of credit for graduation from the Benton Area High School. Many of these credits fall into specific categories and may not be counted in more than one area. **THE ULTIMATE RESPONSIBILITY FOR ACCUMULATING THE APPROPRIATE CREDITS IS THE RESPONSIBILITY OF THE STUDENT.**

<u>Units of Credit</u>	<u>Course Title</u>
4.0	English
4.0	Social Studies
4.0	Math
4.0	Science
.50	Personal Finance
.50	Health
1.32	Physical Education
1.0	Computer Elective
5.18	Approved Electives
<u>.50</u>	Drivers Education
25.00	

All students will be required to complete coursework and demonstrate proficiency on the Keystone Examinations. Currently these exams are English Language Arts (Literature), Biology and Algebra I.

*The graduation requirements for the Benton High School are in compliance with Pennsylvania State Board of Education regulations.

*The Benton Area School District does not discriminate on the basis of race, color, national origin, gender, age, religion, or disability in its activities, programs or employment practices as required by Title VI, Title IX, Section 504 and ADA.

ADVANCED COURSE GUIDELINES:

HONORS LEVEL COURSES

Enrollment in Honors courses are determined by GPA and teacher recommendations. Students who have earned an overall GPA of 93.00 or higher are eligible to select Honors classes. Students who have earned an overall GPA between 88 and 92.44 may request to be placed in an honors course. Students who make this request must have positive recommendations from at least three of their previous year's major subject teachers in order to gain placement. Teachers will complete the rating form to indicate their recommendations. It is recommended that students maintain a minimum of an 85% to remain in Honors/AP courses.

Honors and Advanced Placement Requirements:

- Increased skill levels in technology
- Higher level skills required such as: application, analysis, synthesis, and evaluation
- Advanced projects, reading assignments, research and/or presentations
- Greater emphasis on theory
- Summer reading assignments or projects (Failure to complete summer assignments will result in the student receiving a zero as a summer work grade. Students will not be removed from an Honors or AP class due to a non-completion of summer assignments.)
- Independent study of special interest topics and study groups outside of class may be required

ADVANCED PLACEMENT (AP) COURSES

Students may enroll in AP courses with teacher recommendation only. Students enrolled in Advanced Placement courses are **required** to take the College Board's AP exam that is administered in the spring.

ADVANCE COLLEGE EXPERIENCE PROGRAM (ACE)

Qualified juniors and seniors can take regular, for-credit university courses while still in high school to get a head start on college. ACE students may be able to save up to 75% on tuition in Bloomsburg's Advance College Experience Program. These college courses **do not** replace Benton's course requirements. Please see Mrs. Kocher for more information.

PENN COLLEGE NOW COURSES

Qualified sophomores, juniors and seniors can take regular, for-credit university courses while still in high school to get a head start on college. Students must take a placement test and

purchase the text book for the course. Students also must take an end-of-year final that will be graded by Penn College faculty.

COURSE DESCRIPTIONS

ENGLISH

ENGLISH 9- 1 credit

Course Description:

This course is an introduction to high school English. This year will focus on three main components of study which include critical reading strategies, literary exploration and interpretation as well as literary analysis through academic composition. Students should expect in-depth writing assignments that will focus on comprehension, meaning and interpretation. We will also focus on improving basic writing skills such as grammar, composition, research, revision, and vocabulary usage. The course will include the study of different literary genres and time periods. Literature that will be studied within the course includes, but is not limited to: *To Kill a Mockingbird* and *Night*. The students will also study Shakespeare's *Romeo and Juliet* as an introduction to drama. Vocabulary and independent reading projects are also integral parts of this course as well. This course is designed to prepare students to perform at a proficient or advanced level for the Literature Keystone Exam which will be administered in 10th grade English.

The Pennsylvania Common Core Standards form the basis for this course.

ENGLISH HONORS 9- 1 credit

Pre-requisites: Students must meet a minimum cut score for CDTs. Final grade in English must be 93% or higher. Teacher recommendation based on attendance, class participation and work ethic.

Course Description:

This course is an introduction to high school English. Unlike the college prep and applied English courses, we will work at an accelerated pace and work at a more in-depth level with the literature that we study. The year will be focused on three main components of study which include critical reading strategies, literary exploration and interpretation as well as literary analysis through academic composition. Students should expect in-depth writing assignments that will focus on comprehension, meaning and interpretation. We will also focus on improving basic writing skills such grammar, composition, research, revision, and vocabulary usage. The course will include the study of different literary genres and time periods. Literature to be

studied includes, but is not limited to: To Kill a Mockingbird (required summer reading project), The Metamorphosis, and Night. The students will also study Shakespeare's Romeo and Juliet as an introduction to drama. Vocabulary and independent reading projects are also integral parts of this course as well.

The Pennsylvania Common Core Standards form the basis for this course.

ENGLISH 10- 1 credit

Course Description:

This is a course that will build on the skills previously introduced in 9th grade English. We will explore and discuss a variety of literature including short story, drama, fiction and nonfiction. We will continue to further develop literary interpretation, responding to literature and making textual connections to other pieces of literature as well as connections to our own life experiences. Students will also continue to advance their academic writing skills, grammar and vocabulary through the development of a research paper. A few of novels that will be studied in 10th grade may include, but is not limited to: Fahrenheit 451, Lord of the Flies, and Narrative of the Life of Frederick Douglass. The students will also study Shakespeare's Julius Caesar as part of our drama unit. The accelerated reading program is an integral part of this course and needs to be completed. This course is designed to prepare students to perform at a proficient or advanced level for the Literature Keystone Exam which will be administered in the end of the 10th grade school year.

The Pennsylvania Common Core Standards form the basis for this course.

ENGLISH 10 HONORS- 1 credit

Pre-requisites-

- * Students must have a GPA of 90% or better.
- * Students must have the recommendation of their English teacher.

Course Objectives: This is a course that will build on the skills previously introduced in 9th grade English. Unlike the college prep and applied courses, we will move at an accelerated pace work at a more in-depth level with the literature that we study. We will explore short story, poetry, drama, fiction and nonfiction. We will continue to develop interpretation, responding and the ability to make textual connections to other pieces of literary works as well as connections to our own life experiences. Students will also continue to develop their writing skills, grammar and vocabulary. Some of the literary works to be studied may include, but are not limited to: Fahrenheit 451 (Required summer reading project), The Adventures of Huckleberry Finn, Invisible Man, and the Narrative of the Life of Frederick Douglass. The students will also study Shakespeare's Othello as part of the drama unit. The accelerated reading program is an integral part of this course as well and needs to be completed.

The Pennsylvania Common Core Standards form the basis for this course.

KEYSTONE LITERATURE REVIEW COURSE -0.5 credit

Students who do not achieve proficiency on the **Keystone Literature Exam** will be enrolled in the Keystone Literature course and will be required to take PDE's re-test. This course is graded on a pass / fail basis.

ENGLISH 11- 1 credit

Course Description:

This course focuses on basic reading and comprehension skills needed to ensure students' success in the work force. Like other 11th grade English courses, an emphasis will be placed on American literature to help students gain some exposure to these genres. Basic writing and vocabulary skills will be stressed.

AMERICAN LITERATURE 11- 1 credit

Course Description:

This course will provide students with a comprehensive knowledge of the language arts including the reading and interpretation of literature, grammar skills, and writing skills to ensure the successful entrance into a college setting. A special focus will be placed upon American literature including Nathaniel Hawthorne, Walt Whitman, and Edgar Allan Poe. Vocabulary for the successful completion of College Board examinations will also be emphasized along with the preparation of students for college level writing.

AMERICAN LITERATURE 11 HONORS- 1 credits

Prerequisites:

- **Students must have a GPA of 90% or better.**
- **Students must have the recommendation of their English teacher.**

Course Description:

Students enrolling in this class should have the major goal of working towards college and/or taking AP English as a senior. This class involves somewhat difficult, in-depth reading and writing. It includes a wide variety of American literature including but not necessarily limited to Nathaniel Hawthorne, Benjamin Franklin, Edgar Allan Poe, Walt Whitman, and William Faulkner. Novels that may be studied, but are not limited to, are *The Scarlet Letter*, *Beloved*, *Native Son*, and *The Things They Carried*. The instructor will expect students in this course to complete a variety of college style literary analyses, projects (including extensive summer requirements), and independent reading assignments.

ENGLISH 12- 1 credit

Course Description:

This course focuses on basic reading and comprehension skills needed to ensure students' success in the work force. Like other 12th grade English courses an emphasis will be placed on the classics of British and world literature to help students gain some exposure to these genres. Basic writing and vocabulary skills will be stressed.

BRITISH AND WORLD LITERATURE 12- 1 credit

Course Description:

This course will provide students with a comprehensive knowledge of the language arts including the reading and interpretation of literature, grammar skills, and writing skills to ensure the successful entrance into a college setting. A special focus will be placed upon British literature including such classics as William Shakespeare, Charles Dickens, and Aldous Huxley. Vocabulary for the successful completion of College Board examinations will also be emphasized along with the preparation of students for college level writing.

AP ENGLISH LITERATURE AND COMPOSITION-12th grade- 1.5 cr

Students enrolled in this course will be required to take the College Board's AP English Literature and Composition exam.

Prerequisites:

- **Students must have a GPA of 90% or better.**
- **Students must have the recommendation of their English teacher.**

Course Description:

Students enrolling in this class should have the major goal of working to take and successfully complete the AP level exam in hope of earning college credit. This class involves much difficult, in-depth reading and writing along with extensive vocabulary requirements pertaining to both general language and literature studies. It includes a wide variety of literature from a diverse collection of times and places including but not necessarily limited to ancient Greece, Renaissance and Victorian England, twentieth century Ireland, along with some more modern day and a few American pieces as well. Truly learning from this experience will require both a desire to think and an open mind. The instructor will expect students in this course to complete a variety of college style literary analyses, projects (including extensive summer requirements), and independent reading assignments.

THEATER WORKSHOP: ELEMENTS OF DRAMA & SPEECH – 10th-12th grade – 1 cr.

This class investigates the elements of drama and speech through various theater games and activities that focus on performance and working in cooperation with others. Students will learn basic techniques for voice, acting, movement, and imagination. Fundamentals of theater will be covered including: improvisation, monologue & scene performance, play analysis, and production design.

ENL111: ENGLISH COMPOSITION I – 12th grade- **PENN COLLEGE NOW COURSE**

Fundamental writing and research skills with an emphasis on expository writing. Emphasis on analysis, discussion, and practice of writing that explores, explains, and argues. Course work includes a significant research component. 3 Credits (3 Lecture - 0 Lab) Prerequisite(s): Placement by Examination or ENL001.

SOCIAL STUDIES

CIVICS 9: 1 credit

Prerequisite: Completion of 8th Grade American History I

Purpose/Content: Civics is designed to give students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. Students will focus on the structure of our legal and political systems which serve as the foundation of our government. An analysis of the free-enterprise system coupled with interpreting foreign and domestic policies will also contribute to their understanding.

HONORS CIVICS 9: 1 credit

Purpose/Content: Civics is designed to give students the skills and knowledge necessary to become responsible and effective citizens in an interdependent world. Students will focus on the structure of our legal and political systems which serve as the foundation of our government. An analysis of the free-enterprise system coupled with interpreting foreign and domestic policies will also contribute to their understanding. Students will be required to implement CFF technology, develop research papers, and develop community projects as part of this honors curriculum.

CONTEMPORARY US HISTORY– 10: 1 cr.

Prerequisite - Successful completion of 9th grade Civics.

Purpose – To have students demonstrate their understanding of American history in measurable terms through in-depth analysis of individuals and groups, conflict and cooperation, continuity and change, and historical evidence while targeting specific standards.

Content - This survey course is designed to provide students with a foundation in late 19th and 20th century American history. Students will examine the political, economic, cultural, and social evolution of America from the period of Civil War to World War II. Various themes will be examined including but not limited to industrialization, immigration, military conflicts, diplomacy, politics, and social reform. Students will be expected to complete a variety of projects, writing assignments, and presentations related to the various themes being examined during the course of the year.

HONORS CONTEMPORARY US HISTORY: 10: 1 credit

Content- This course is designed to establish a firm comprehension of the historical topics and concepts that have shaped the United States from the Industrial Revolution to the present day. The course will provide explanations, theories, and background information necessary to understand the current status of the United States. Students will be required to implement CFF technology, develop research papers, and complete a Living History final exam as part of the honors curriculum.

GENERAL WORLD HISTORY: 11: 1 credit

Prerequisite: Successful completion of tenth grade course offering

Purpose/Content: This course is designed to present to students historical events, and documents that helped shape the cultural, ideological, and political characteristics of our world from the Renaissance period to the present. *Students who take this course will not be subjected to college level standards, but will attain general principles related to the development of nations around the world.*

COLLEGE PREP WORLD HISTORY: 11: 1 credit

Prerequisite: Successful completion of tenth grade course offering

Purpose/Content: This course is designed to present to students historical events and documents that helped shape the cultural, ideological, and political characteristics of our world from the Renaissance period to the present. *Students who take this course will be subjected to college level standards related to analytic thinking, public speaking and research. Students will complete various projects and activities where analysis and synthesis are incorporated.*

HONORS WORLD HISTORY: 11: 1 credit

Prerequisite: Successful completion of tenth grade course offering

Purpose/Content: This course is designed to present to students historical events and documents that helped shape the cultural, ideological, and political characteristics of our world from the Renaissance period to the present. *Students who take this course will be subjected to college level standards related to analytic thinking, public speaking and research. Additional research papers, analytical essays, current events assignments, and projects will be evident during this course.*

GENERAL AMERICAN GOVERNMENT/ECONOMICS — 12: 1 credit

Prerequisite – Successful completion of 11th grade World History II

Purpose/Content – This course is designed to provide students with the fundamental principles and practices of American Government. The course is divided into two units. In American Government, students will study topics and documents necessary for becoming active participants in American democracy. Fundamental principles addressed will include

federalism, The Bill of Rights, separation of powers, checks and balances, and the Constitution. Organizations like the media, political parties, and interests groups that impact the American government will also be addressed. In Economics, students will study principles involved in the production, consumption, and exchange of goods and services. Topics addressed during this portion of the course include factor markets, product markets, business cycles, demand, supply, and financial intermediaries. *Students who are not planning to go to college, but who wish to understand the basic principles of the American government and Economics are recommended for this course.*

COLLEGE PREP AMERICAN GOVERNMENT/ECONOMICS – 12: 1 credit

Prerequisite – Successful completion of 11th grade World History II

Purpose/Content – The course is designed to provide students with the fundamental principles and practices of American Government. The course is divided into two units. In American Government students will study topics and documents necessary for becoming active participants in American democracy. Fundamental principles addressed will include federalism, The Bill of Rights, separation of powers, checks and balances, and the Constitution. Organizations like the media, political parties, and interests groups that impact the American government will also be addressed. In Economics, students will study principles involved in the production, consumption, and exchange of goods and services. Topics addressed during this portion of the course include factor markets, product markets, business cycles, demand, supply, and financial intermediaries. College level standards through research-based projects that include analytic thinking, public speaking and research papers will be evident throughout this course. *Students who are planning to go to college, but who do not wish to take the Advanced Placement Government class or Honors class are recommended for this course.*

AP AMERICAN GOVERNMENT/POLITICS- Junior/Senior- 1 credit

Students enrolled in this course will be required to take the College Board's AP Government exam.

Prerequisite - Successful completion of 10th grade American History II with a 93% GPA or above. Teacher recommendation required.

Purpose- This course is designed to help the college-bound student who intends to take the Advance Placement examination during their senior year.

Content- This course gives students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It requires familiarity with various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will be taught to understand typical patterns of political processes and behavior and their consequences. In addition students will be taught how to analyze and interpret basic data relevant to U.S. government and politics. Throughout the course, students will learn to create conclusions through deductive reasoning, analysis, synthesis, and essay development. This course also has the potential to be labeled as a Penn College Now course in American

Government and Politics and count for an additional 3 college credits from Penn College for successful completion of the course.

SOCIOLOGY – Juniors/Seniors - .50 cr.

Prerequisite – None

Purpose – This course is designed to expose students to the fundamental theories and principles of sociology.

Content –

In Sociology, students will study topics such as group development, values, social stratification and status, and communication.

PSYCHOLOGY – PENN COLLEGE NOW COURSE

PSY111: General Psychology-

Introduction to the science of human behavior and mental processes. Students examine the relation between the nervous system and behavior, learning, perception, language, personality, intelligence, and psychopathology. 3 Credits (3 Lecture - 0 Lab) Prerequisite(s): Placement by Examination or RDG001

FOREIGN LANGUAGE

FOREIGN LANGUAGE I – 1 cr.

SPANISH

Prerequisite - It is required that a student receive a passing grade in the 8th grade Conversational Spanish course and that he/she receives the recommendation of the teacher.

Purpose - To begin a study of Spanish for any interested student in the ninth grade, or for any student wishing to satisfy a requirement for college acceptance. This course will provide the student with the opportunity to attain an acceptable level of proficiency in the four skill areas of reading, writing, speaking and listening.

Content - The focus of this course is on communication and self-expression relevant to students' daily lives, needs and interests. The course will include the study of beginning level grammar, useful vocabulary and correct spelling and pronunciation of Spanish. It will also include an overview of cultural similarities and differences.

FRENCH

Prerequisite - It is required that a student pass the 8th grade Conversational French class and that he/she receives the recommendation of the teacher.

Purpose - To begin a study of the French language for any interested student or any student wishing to satisfy a college language requirement. Also, the student should attain an acceptable degree of proficiency in the four skill areas of speaking, reading, listening and writing.

Content - The focus of this course is on communication and self expression relevant to the students' daily lives, needs, and interests. This course will include the study of beginning level grammar, useful vocabulary and correct pronunciation in the target language. It will also include an overview of cultural similarities and differences.

FOREIGN LANGUAGE II - 1 cr.

SPANISH

Prerequisite - It is required that a student receive a passing grade in Spanish I and that he/she also receive the recommendation of the teacher.

Purpose - To continue the development of the four skills of listening, speaking, reading and writing in Spanish, incorporating higher level grammatical structures, more complex sentence structures and advanced vocabulary.

Content - This course continues to stress the skills of speaking and listening, however increased time is spent on reading comprehension and writing. Writing and performing dialogues and skits based on real life topics will demonstrate both the ability to process and provide information.

FRENCH

Prerequisite - It is required that a student pass French I.

Purpose - To continue and broaden the study of French including higher level grammatical structures, sentence structures and advanced vocabulary.

Content - This course continues the study of grammar and vocabulary through speaking and listening activities, but increased time is spent on reading and writing in French. Additional cultural activities are also integrated.

FOREIGN LANGUAGE III - 1 cr.

SPANISH

Prerequisite - It is required that the student receive a grade of at least an 80% in Spanish II and the recommendation of the teacher.

Purpose – Students will improve and advance in communication skills of the Spanish language. At this level, students will build on previously learned patterns of both written and spoken Spanish, and they will begin to incorporate more complex structures and patterns.

Content – This course continues to review and incorporate the concepts learned in Spanish I and II. Through various classroom activities, students will demonstrate their ability to initiate and/or respond to basic communicative tasks. Writing of simple compositions and reading of simple essays and short stories will also develop communication skills. In addition, daily conversations in Spanish will occur among students and teacher. A more in-depth look at Spanish history and its culture will also be included, as well as an in-depth study of a Spanish artist.

FRENCH

Prerequisite - It is required that a student have at least an 80% in French II and the recommendation of the teacher.

Purpose - The students will continue to expand their ability to communicate in French at a more complex level. At the same time, students will improve their writing and reading skills with a cultural focus on the contemporary French-speaking world.

Content – This course reviews basic concepts learned in French I and II. Through various classroom activities and projects, the students will be able to apply both their previously acquired and newfound knowledge of the French language. In addition, to improve communication skills, the students will be expected to read and write more in the French language. Finally, French and Francophone culture will be explored in greater depth.

FOREIGN LANGUAGE IV - 1 cr.

SPANISH

Prerequisite - It is required that students receive a grade of at least an 80% in Spanish III.

Purpose - To increase the student's level of proficiency in speaking and writing, to advance their level of reading comprehension and to further refine their listening skills.

Content - This course will provide students with opportunities to refine their abilities to communicate in Spanish. A strong emphasis will be placed on listening and speaking. A variety of resources will be used to give the students real world practice with the language. This course will also teach a variety of cultural aspects, provide an in depth study of grammatical concepts, reading of a Spanish novel and an in-depth study of a Spanish artist. Daily speaking is required.

FRENCH

Prerequisite - It is required that a student have at least an 80% in French III and the recommendation of the teacher.

Purpose - To improve the students' abilities in all four skill areas of listening, speaking, reading and writing.

Content - This course reviews and teaches cultural aspects such as literature, the arts, and French/Francophone daily life along with the study of more complex grammar and vocabulary using outside materials such as the Internet, books, magazines and videos to perfect their knowledge of French. The conclusion of this course will be reading the French children's novel LePetit Prince, by Antone de Saint-Exupery.

MATH

Students who did not reach proficiency on the Keystone Algebra I exam will be required to take the Keystone Algebra Review course.

ALGEBRA I- 1.5 credit

Applied Algebra I will give students a basic foundation of algebraic concepts. This course will cover most of the material taught in Academic Algebra I but will be presented at a slower pace with more class time and hands-on activities. This course will focus on the study of variables and linear equations. Graphing techniques, abstract reasoning skills, and problem solving skills are developed and applied to real life situations. While similar algebra skills are covered, the material is paced to permit for mastery of content and further skill development. Topics include: the language of Algebra, real numbers, solving linear equations, graphing relations and functions, analyzing linear equations, solving linear inequalities, systems of equations and inequalities, and statistics.

ALGEBRA I – 1 cr.

Purpose - To establish a sound foundation for continued movements through further academic mathematics courses. Algebra I is essential for any student planning to further her/his education beyond high school.

Content – In this course, concepts of arithmetic basic to understanding Algebra is solidified. This course is a detailed study of sign rules, properties, evaluating, simplifying, and solving all types of equations and applications to word problems.

ALGEBRA II- 1.5 credits

This course makes regular use of the graphing calculator to make technology an integral part of the problem solving process. While similar Algebra skills are covered, the material is paced to permit for mastery of content and further skill development. Topics include radical expressions, quadratic functions and inequalities, polynomial functions, rational expressions

and equations, exponential and logarithmic relations. Algebra II is designed to prepare students to perform at a proficient or advanced level for the Algebra Keystone Exam which will be administered in the end of the course.

KEYSTONE ALGEBRA REVIEW- .50 credit

Students who scored at a basic or below basic level on their Keystone Math test will be required to take this course. The class will focus on remediation materials designed to meet the state's academic standards in preparation for the Keystone re-test and/or the project-based assessment.

ALGEBRA II- - 1 cr.

Prerequisite – Successful completion of Algebra I.

Purpose - To extend the topics from Algebra I.

Content - This course is an extensive investigation of solving equations and inequalities involving one and two variables; simplifying rational algebraic expressions; expressions with irrational and complex numbers; and dividing polynomials. Algebra II is designed to prepare students to perform at a proficient or advanced level for the Algebra Keystone Exam which will be administered in the end of the course.

HONORS ALGEBRA II- 1 credit

Prerequisite- Successful completion of Algebra I. **Students must meet a minimum cut score for CDTs. Final grade in Alg I must be 90% or higher. Teacher recommendation based on attendance, class participation and work ethic.**

Purpose - To extend the topics from Algebra I.

Content - This course is an extensive investigation of solving equations and inequalities involving one and two variables; simplifying rational algebraic expressions; expressions with irrational and complex numbers; and dividing polynomials. Students will be asked to solve equations involving exponents and logarithms. This course is designed to prepare students to perform at a proficient or advanced level for the Algebra Keystone Exam which will be administered in the end of the course.

GEOMETRY – 1 cr.

Prerequisite – Successful completion of Algebra I and Algebra II.

Purpose - To develop and strengthen geometric skills through visual conception, logical deduction or discovery. Gaining an appreciation of geometry through the powers of observation is a continuous theme of this course.

Content - An introduction to deductive and inductive reasoning is stressed and applied through such concepts as parallel and perpendicular lines, triangles and quadrilaterals. This course will also discover and apply theories such as the Pythagorean Theorem to real-life problem solving.

HONORS GEOMETRY – 1 cr.

Prerequisite – Successful completion of Honors Algebra I and Honors Algebra II

Purpose - To develop and strengthen geometric skills through visual conception, logical deduction or discovery. Gaining an appreciation of geometry through the powers of observation is a continuous theme of this course.

Content - An introduction to deductive and inductive reasoning is stressed and applied through such concepts as parallel and perpendicular lines, triangles and quadrilaterals. This course will also discover and apply theories such as the Pythagorean Theorem to real-life problem solving. This class will investigate Basic Trigonometry, circles, area and volume.

HONORS TRIGONOMETRY – .50 credit

Prerequisite – Successful completion of Honors Algebra I, Honors Geometry, and Honors Algebra II.

Content - This course is the study of right triangle measurements and ratios, useful for calculating indirect measurements. Topics covered in Trigonometry include: nonlinear functions, right triangle properties, trigonometric functions, the unit circle, radian measure, trigonometric identities, trigonometric graphs, and advanced algebra.

HONORS PRE-CALCULUS-.50 credit

Prerequisite- Honors Algebra I, Honors Algebra II, Honors Geometry

This course is designed to continue, maintain, sharpen and improve mathematical skills attained through Algebra II. It also extends many of the topics in more depth than covered in previous math courses and prepares students for a formal course in Calculus. The course will extend work with complex numbers, expand understanding of logarithms and exponential functions, use characteristics of polynomial and rational functions to sketch graphs of those functions, and perform operations with vectors.

TRIGONOMETRY – .50 credit

Prerequisite – Successful completion of Algebra I, Geometry, and Algebra II.

Content - This course is the study of right triangle measurements and ratios, useful for calculating indirect measurements. Topics covered in Trigonometry include: nonlinear functions, right triangle properties, trigonometric functions, the unit circle, radian measure, trigonometric identities, trigonometric graphs, and advanced algebra.

PRE-CALCULUS-.50 credit

Prerequisite- Algebra I, Algebra II, Geometry

This course is designed to continue, maintain, sharpen and improve mathematical skills attained through Algebra II/Trigonometry (H). It also extends many of the topics in more depth than covered in previous math courses and prepares students for a formal course in Calculus. The course will extend work with complex numbers, expand understanding of logarithms and exponential functions, use characteristics of polynomial and rational functions to sketch graphs of those functions, and perform operations with vectors.

AP CALCULUS- 1.5 credit

Students enrolled in this course will be required to take the College Board's AP Calculus exam.

Prerequisite: Honors Pre-Calculus/Honors Trigonometry and completion of summer project

Advanced Placement Calculus is a course that requires a student to learn the fundamental concepts and mathematics of calculus and to recognize and formulate connections between topics. It is expected from this course that students will gain mathematical skill, understanding and use of technology to help them be successful in further mathematics classes and in their future careers. Students are expected to think hard, try different approaches to problems, and enjoy seeing their understanding of mathematics grow. The course moves at an accelerated speed.

COLLEGE MATH-Seniors - 1 cr.

The goal of this course will be to provide mathematics to students who seek a course that strengthens their knowledge in algebra and geometry. It will also contain areas of mathematics such as sets, logic, number theory, and probability and statistics. This course is recommended for students who are planning on going to a college, university, or technical/trade school, but are not majoring in the math, medical or science field.

PROBABILITY AND STATISTICS – .1 credit

Pre-requisite – Successful completion of Algebra I

This course is geared toward students who have completed at least Algebra I. The statistical applications are drawn from various disciplines, including natural sciences, social sciences, business, economics, education, engineering, and computer science. A TI-83 or higher graphing calculator is required.

SCIENCE

Students who did not reach proficiency on the Keystone Biology exam will be required to take the Keystone Biology Review course.

HONORS BIOLOGY I- Freshman- 1.5 credits

Content- Taught on an honors level, this course provides an overview of important ecological concepts and their integration into the Biology curriculum. Topics covered include ecological relationships and changes, evolution of species, genetic theory, and the relationship between structure and function at all levels of organization among living things.

BIOLOGY I (1 credit) – 9th Grade Course

Biology I is a 9th grade science course that will deal with biology as an everyday experience. Topics covered include the nature of Biology, properties of water, and principles of Ecology, cell Biology, Evolution and classification. Lab experiments combined with demonstrations, and multiple learning activities will be utilized throughout the year. Relevant issues in Biology along with web-based activities will be integrated as needed. The course content is aligned with the assessment anchors for the Keystone Exam for Biology. This course is designed to provide a strong background in major biological concepts to prepare you for taking the Biology Keystone Exam next year. (Following completion of Foundations of Biology II)

BIOLOGY II (1 credit) – 10th Grade Course

Prerequisite: Satisfactory completion of Biology I

Biology is the second course in a two course sequence designed to help prepare students for the Biology Keystone Exam. This course will complete our study of the Assessment Anchors for the Biology Keystone Exam. The Assessment Anchors are defined by the Eligible Content statements established by the Pennsylvania Department of Education. The course will begin with an intensive review of concepts covered in Foundations I followed by a continuation of the following assessment anchors: The Chemical Basis of Life, Bioenergetics, Cell Growth and Reproduction, and Genetics. A significant laboratory component will be incorporated into the course to support the major concepts studied in class. Students will take the Biology Keystone Exam at the conclusion of this course.

KEYSTONE BIOLOGY REMEDIATION COURSE -0.5 credit

This pass/fail course is intended for students who did not earn a proficient or advanced score on the Biology Keystone Exam. The course will review all of the 4 anchors covered in the Biology Keystone Exam module one (Cells and Cell Processes), and module two (Continuity and the Unity of Life). Resources will include a Biology Keystone Booklet, Study Island, and an on-line PA Biology Keystone preparation site. Upon completion of the course, all students will retake the Biology Keystone Exam.

ENVIRONMENTAL SCIENCE – 11th-12th grade - 1 cr.

Content – This course will follow a STEM model of Environmental Science. This course is designed to give students the necessary knowledge and skills that will enable them to apply scientific skills and processes on major environmental science concepts. Upon successful completion of this course, students should be able to use the scientific skills and processes and major environmental science concepts to understand interrelationships of the natural world and to analyze environmental issues and their solutions. Ownership is acquired in this course through completion of meaningful learning projects, designed to address real environmental issues faced by people in the world today. Students will be challenged with identifying issues, developing possible solutions and then testing their ideas. This course will encourage the student to accept a responsible role in maintaining our environment.

AP ENVIRONMENTAL SCIENCE – Juniors or Seniors – 1.5 credit

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The AP Environmental Science course is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science or, alternatively, to fulfill a basic requirement for a laboratory science and thus free time for taking other courses. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. A significant laboratory component will be integrated into the curriculum. The class differs from regular Environmental Science with respect to the range and depth of topics covered, the kind of laboratory work done, and the time and effort required of the students. Due to the volume of material to be covered, students will be expected to assume responsibility for their own learning in preparation for the AP test. All students who take the course will be required to take the AP exam at the end of the course.

Prerequisites

One year of biology and one year of chemistry with a final grade of at least 93 in each course. Students will also need teacher approval to take the course.

AP BIOLOGY- Juniors or Seniors- 1.5 credit

Students enrolled in this course will be required to take the College Board's AP Biology exam.

AP Biology is a senior only, college-level course for highly motivated students who plan to further their education in a scientific field. The course is designed to be the equivalent of a two-semester college introductory biology course. The goal of the course is to provide students with the conceptual framework, factual knowledge, and analytical skills to deal critically with the rapid changing science of biology. A significant laboratory component will be integrated into the curriculum. The class differs from Honors Advanced Biology with respect to the range and depth of topics covered, the kind of laboratory work done, and the time and effort required of students. Due to the volume of material to be covered, students will be expected to assume responsibility for their own learning by completing several assignments during the summer.

ADVANCED BIOLOGY-Juniors or Seniors – 1 cr.

Prerequisite: Successful completion of Biology I, Biology II and Chemistry I

Purpose - This course is designed to provide college bound students with an adequate background to successfully complete the introductory college biology course. It is strongly recommended for all high school seniors that are anticipating a career in the biological sciences and medical fields.

Content - This course includes an in-depth study of human anatomy and physiology, as well as a look into molecular and human genetics. There is an in-depth unit on DNA/RNA and molecular genetics and human genetics, and also class projects involving the dissection of a rat and an insect collection. The ultimate goal of this course is to help prepare the student for college and a possible future career in a biological science related field.

ANATOMY AND PHYSIOLOGY-12th grade- 1 credit

This course is designed to be an advanced study of the human body for students with an interest in pursuing a career in a health-related field. Topics include anatomical structures, physiological systems, and body functions. Students will acquire skills used in the classification of data, experience in oral and written communication of data, and skills in drawing logical inferences and predicting outcomes. Students will apply the principle of physiology to human health and well-being and evaluate the applications and career implications of physiology and anatomy principles. *This course is currently being evaluated as a Penn College course. Students taking this class could earn 3 college credits from Penn College.

CHEMISTRY I—1 cr. (10th-11th)

Prerequisite—Biology I and successful completion of Biology Keystone

Content—This course includes chemical/physical properties and changes, atomic structure, the periodic table, chemical bonding, IUPAC nomenclature, chemical equations, stoichiometry, and gases. This course also provides laboratory experience in the listed topics.

CHEMISTRY I (H)-1 cr. (10th-11th)

Prerequisite—Biology I and successful completion of Biology Keystone

Content—Taught on an honors level, this course is intended for students planning to major in a scientific field in college. This course includes more in depth coverage of all topics in Chemistry I in addition to acids and bases, pH, and qualitative analysis. This course also provides laboratory experience in the listed topics.

CHEMISTRY II (H)—1.5 cr. (11th-12th)

Prerequisite—Chemistry I and teacher recommendation

Content—This course covers organic chemistry, thermodynamics, chemical kinetics, chemical equilibrium, oxidation-reduction, and solubility equilibrium.

AP CHEMISTRY—1.5 cr. (11th-12th)

Students enrolled in this course will be required to take the College Board's AP Chemistry exam.

Prerequisite—Honors Chemistry I, Algebra II, and teacher recommendation

Content—This course is designed as an entry-level college chemistry course. Topics covered include gases, equations, stoichiometry, organic chemistry, nuclear chemistry, coordination chemistry, calculus-based calculations, thermodynamics, kinetics, and laboratories. Students taking this course should have a solid background in basic chemistry and algebra and should be highly self-motivated. Students are required to take the AP Chemistry exam and the end of the course.

INDUSTRIAL CHEMISTRY—1 cr. (11th)

Prerequisite—Biology I

Content—This course is designed to provide students with an understanding of basic chemistry concepts. Math applications will be reviewed on an as need basis and topics covered include chemical/physical properties and changes, atomic structure, the periodic table, chemical bonding, IUPAC nomenclature, equations, and gases.

PHYSICS—1cr. (11th-12th)

Prerequisite—Chemistry I and Advanced Math (May be taken concurrently with teacher recommendation)

Content—This course includes kinematics, Newton's Laws, statics, momentum, energy, pressure, and torque. The focus will be on understanding the concepts of physics, but math applications will also be explored.

BUSINESS AND TECHNOLOGY

COMPUTER APPLICATIONS – Freshmen - 1 cr. (Graduation Requirement)

Prerequisite – None.

Purpose – To develop skills in various computer application programs.

Content – This course covers: MS Office – Word, Access, Excel, and PowerPoint, along with Google applications. If time permits, other MS Office programs will be introduced.

PERSONAL FINANCE: 11th and 12th grade- .50 credit (Graduation Requirement)

This course is a comprehensive study of various personal finance and practical life skills that are required to be a competent, successful consumer. Students will learn how to make informed financial decisions related to budgeting, banking, credit, insurance, taxes, and career exploration. An integral component of the financial literacy curriculum is the application of decision-making skills that enables students to become more responsible consumers for lifetime success.

DESKTOP PUBLISHING/DIGITAL GRAPHICS/WEB PAGE DESIGN – Sophomores – Seniors – .50 cr.

Prerequisite – Successful completion of 9th grade Computer Applications.

Purpose – Introduce students to desktop publishing, working with graphics, and creating web pages.

Content –Using desktop publishing and graphics software, students will learn how to create effective and interesting documents and publications. Students will learn the principles and execution of page layout graphics, and production, as well as digital photography and photo editing. Using Microsoft Word, Microsoft Publisher, and Adobe Photoshop, students will implement design principles in the creation of a variety of documents including certificates, flyers, brochures, newsletters, and web pages.

ACCOUNTING I-10th – 12th grade - 1 cr.

Prerequisite - None

Purpose - To provide basic theory in accounting for practical use.

Content - The course begins with the basics of accounting and covers the total financial period including all steps in the accounting cycle: opening, recording entries, posting, and closing entries. Completing financial reports, such as the balance sheet and the income statement for single proprietorship and partnership, is an integral part of the course. Accounting is the backbone of any business structure and is highly recommended for any student considering a career in the business field.

ACCOUNTING II -11th and 12th grade - 1 cr.

Prerequisite - 80% or better in Accounting I

Purpose - This course prepares students for employment in business or for college in the fields of Accounting, Business Management or Administration, and Business Education.

Content - The course will begin with a review of basic procedures of accounting. The student will study the purpose as well as the method of each structure including department accounting, bad debts, depreciation, prepaid and accrued income and expenses, taxes, notes and drafts, corporate accounting, and automated accounting. Students will spend the second semester learning about computerized accounting and accounting spreadsheet applications using a hands-on approach. Students will learn to operate the software by entering realistic accounting transactions for a variety of business applications and by generating financial statements, spreadsheets, and various financial reports.

ADVANCED COMPUTER APPLICATIONS- 11th and 12th grade- .50 credit

Prerequisite – Successful completion of 9th grade Computer Applications

This course is designed to provide students with a strong working knowledge of print design and publishing. Students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copy writing, editing and photography while producing a creative, innovative yearbook which records school memories and events. This class is great for the student interested in advertising, journalism, marketing, web design, and desktop publishing. The software applications that will be used include Adobe PhotoShop and InDesign. Scanners, digital cameras, and color printers will be used in this course.

Information, Technology, and Society -1 credit (PC Now Course CSC124) – 10th – 12th Grade

Introduction to the basic concepts and applications of computer and Internet-related information technology and its impacts on individual users, businesses, groups, organizations, and society. Topics include access, evaluation, and use of digital information; ethical and security implications of information use and storage; human-computer interactions; social aspects of information systems; economic and legal issues; and professional presentation and communication of information. Information literacy skills that promote lifelong learning are developed through exposure to various existing and emerging technologies, including information resources, communication methods, and technology

Introduction to Business (PC Now Course MGT105) – 11th and 12th Grade

Introduction to a variety of business concepts and practices that impact all organizations, as well as the knowledge and skills needed to be successful in an organization. Topics include interpersonal communications, emotional intelligence, economics, accounting, and finance and investments. An integrative approach connects topics and provides context within organizational

environments, relevance to current business situations, and advances across various fields of business.

FAMILY AND CONSUMER SCIENCE

FOODS I – Freshman to Seniors- 1 credit

Prerequisite - None

Purpose – Students will learn to develop basic culinary skills, learn kitchen safety and sanitary procedures; understand kitchen math and learn basic food science.

Content – Units include basic cooking skills, food preparation, safety and sanitation practices, nutritional studies and management skills.

FOODS II-Sophomores - Seniors - 1 cr.

Prerequisite – Foods I

Purpose – Student will improve their basic culinary skills, achieve a deeper understanding of Food Science and create nutritionally healthy snacks and meals.

Content – Units include advanced cooking, food science, focusing on meal management, calories and nutritional content.

FOODS III – Juniors and Seniors – 1 cr.

Prerequisite – Completion of Foods II.

Purpose – Students will build on skills developed in Foods I and Foods II courses to continue developing kitchen math and food chemistry skills.

Content – This will include units on meat and poultry preparation, advanced baking and nutritional needs.

BASIC BAKING- 9th-12th grade- 1.0 cr

The focus of the Basic Baking Course is to teach students the fundamental culinary baking skills needed to comprehend a written recipe and interpret the kitchen math while making connections to math and science topics outside of the classrooms. Learning becomes fun as students are doing this while creating wonderful eatable treats and learning new skills and enforcing old skills. Students will explore the new trends in baking while mastering the old baking skills of icing cakes, muffin making, cookie creations and baked yeast products. At the completion of this course the students will have learned to create baked items that look and

taste great. Students with a prior knowledge of baking will be challenged to enhance their baking skills.

Major Text/Resources: Food for Today and Living Now; text books and various cookbooks and educational web sites.

INTERNATIONAL FOODS A- 9th-12 grade- 1 credit

Prerequisite: None

Purpose: Students will study the food, culture and people from North America, South America, and Europe, develop skills to create International Cuisine dishes, study world food supply and the impact of it on our lives and study the culinary history of America.

Content: Units will include meal planning from various countries, understanding how to prepare various famous dishes from their country of origin, understanding the global picture and the foods of the world. Math, reading comprehension, map reading, history, and food science will all be addressed in this course.

INTERNATIONAL FOODS B- 10th-12th grade – 1 credit

Prerequisite: None

Purpose: Students will study the food, culture and people from Asia, Africa and Australia, prepare International dishes from these countries, study the world food supply and to look at new and various spices.

Content: Units will include meal planning from various countries, understanding how to prepare various famous dishes from their country of origin, understanding the global picture and the foods of the world. Math, reading comprehension, map reading, history, and food science will all be addressed in this course.

FHD101: FOUNDATIONS OF PROFESSIONAL COOKING- 10th-12th gr- PENN COLLEGE NOW COURSE

Introduction to professional food preparation skills and kitchen organizational practices through theory and performance-based learning lab activities. Theory relates manual skills to basic production techniques. Principles of classic cooking methods, heat transfer, knife skills, ingredient identification, sensory analysis, and industry professionalism are emphasized. 3 Credits (1 Lecture - 6 Lab) Corequisite(s): FHD118. Sophomore-Approved Course

FHD118: SANITATION-10th-12th grade- PENN COLLEGE NOW COURSE

Integration of the Applied Foodservice Sanitation Certification Course as approved by The Educational Foundation of the National Restaurant Association. Topics include the principles of food microbiology, applied measures for the prevention of food borne illness, and emphasis on working through people to maintain a sanitary foodservice operation. Hazard Analysis

Critical Control Point (HACCP) fundamentals and steps for implementation is a key component of the course. Course work prepares students for the ServSafe® certification test and is part of the Professional Management series of the National Restaurant Association. 1 Credit (1 Lecture - 0 Lab). **Sophomore-Approved Course**

CHILD DEVELOPMENT- 9th-12th grade- .50 credit

Purpose- Students will learn about the developmental, health, safety and the best learning environments for young children.

Content- Units will include evaluating health and safety hazards relating to children at each stage of child development, analyzing plans and methods used to blend work and family responsibilities to meet the needs of children, examining the Child Development Theorists and understanding what their theories are and how this information is used today within various careers.

FDH137 INTRODUCTORY BAKING-11th and 12th grade-1 credit –**PENN COLLEGE NOW COURSE**

Pre-requisite- FOOD II

Fundamental principles and procedures used to prepare a variety of bakery products and desserts. A study of ingredients and mixing methods for producing various baked goods. 3 Credits Corequisite(s): FHD118 (Sanatation-1 credit). Sophomore-Approved Course = 4 Penn College credits

MUSIC

CONCERT BAND-7th-12th - .50 cr.

Prerequisite - Adequate performance skills on a band instrument. Ability to participate in scheduled rehearsals and performances. Students already playing an instrument will be admitted. New students will be admitted on the basis of the ensemble's instrumentation needs. Some school instruments are available, but most individuals supply their own instrument.

Purpose - To enhance a student's knowledge of music through study and performance of band literature.

Content - Students are introduced to band music of various styles at a level of difficulty appropriate for their level of experience. Public performance opportunities exist for both marching and concert bands. Rehearsals are during activity periods and immediately after school days each week. The fall concert which features holiday related music serves as the mid-term exam for the course. The spring concert serves as a final exam for the course. All performances follow the school activity guidelines. Chair seating is at the director's discretion.

Students also receive a graded individual/group lesson one period per 6 day cycle as a pull out on a rotating schedule. Lesson materials will include lesson books, solo literature, and ensemble music.

Performance Requirements - Students will be expected to participate in all scheduled activities including 6-8 parades per year and three major evening concerts as well as other events which may be scheduled.

MIXED ENSEMBLE – 10th- 12th grade – .50 cr.

Prerequisite - Must be a member of Concert Choir. Must have auditioned and been accepted into the group by the choral director in May of the previous year.

Purpose - To provide additional and more intense vocal performance opportunities for students.

Content - Expand on knowledge gained from Concert Choir. Upper level music is chosen for this group and they perform at numerous community and school functions. This course is offered as an after school elective course.

Performance Requirements - Students will be expected to participate in all scheduled activities including two major evening concerts and other school and community service events which may be scheduled.

CONCERT CHOIR-7th -12th grade - .33 cr.

Prerequisite - A desire to sing.

Purpose - Provides an opportunity for students to experience and participate in musical performances.

Content - This course is designed to develop the student's knowledge of the elements and terminology of music and to acquire the vocal skills that are necessary to meet the standards of good singing. Music materials are varied and include popular, folk, patriotic, ethnic, and modern music. Rehearsals are during activity period.

Performance Requirements - Students will be expected to participate in all scheduled activities including two major evening concerts.

MUSIC ELECTIVE COURSE – Freshmen - Seniors - .17 – 1 cr.

Prerequisite – Prior approval by Mrs. DiLossi and Miss Welliver. Must be enrolled in either band and/or choral program.

Content – Students in the course will have private lessons on either instrument and voice, will be developing their musical and technical skills through practice with the Smartmusic computer system, and will learn the theory behind the music they are performing. Each student will develop a practice plan based on his or her musical goals (i.e. County Chorus/band, district chorus/band preparation, drama and musical auditions, etc.). This course relies heavily on the students ability to work independently.

Grading: Grades will be a combination of music theory tests and lesson evaluations. Students will also be required to maintain a detailed practice journal and complete a final project. Most assignments and evaluation are done during class time.

PIANO CLASS- 9th – 12th grade-.50 credit

This class is designed for the beginning piano student who wishes to learn the fundamentals of playing the piano. The student will learn a variety of songs using the Alfred 3-in-1 Piano Course. Students with prior piano experience are also welcome in this class and will be given supplemental material relative to their playing skills/level.

GUITAR CLASS- 9th -12th grade- .50 credit

This course offers students an opportunity to learn the basic techniques and skills that may be applied to many styles of guitar music. Material covered includes music reading, common guitar chords, care and tuning of the instrument and common strumming and picking styles. You are NOT required to have your own guitar. Guitarists of all levels and abilities are welcome. Music instruction will be tailored to student’s individual needs.

SO YOU THINK YOU CAN SING!- 9th -12th grade- .50 credit

Prerequisite- Must be a member of the High School Chorus

Have you always dreamed of auditioning for “American Idol” or singing center stage on Broadway? If so, then this is the course for you. This course is designed for students to gain an overview understanding about the art and science of singing, a basic knowledge about factors conditioning success, and proper attitude. This course will include the study of many genres of music, understanding the connection between the anatomy of the voice and good tone production, and positive performance techniques.

MUSICAL THEATRE TECH COURSE-9th-12th grade- 1 cr

Prerequisite- None

There are 3 components to this course- audio engineering, lighting, and videography. Students will learn about the basics of sound and acoustics, how to run a digital sound board, choose the right microphones for the right situation/productions, and use an ipad to remotely access and

run the sound board. Students will learn how to set stage lighting, create lighting effects and program light cues into the light board. Students will also study the art of videography. Students who take this course will gain a hands-on experience by running the sound and light board and video recording for various school events, including, but not limited to pep rallies, assemblies, and drama events. Attendance at some out of school activities will be required.

ART

2-D DRAWING AND DESIGN I- 9th-12th grade- .50 credit

A course in drawing and design focusing on drawing techniques, methods, materials, conceptual development, and the use of the elements of design for creative expression. This is an introductory drawing class focusing on perspective, contour drawing, pen and ink drawing, charcoal drawing, grid drawing, and classical drawing techniques.

2-D DRAWING AND DESIGN II- 10th-12th grade- .50 credit

A course in drawing and design focusing on drawing techniques, methods, materials, conceptual development, and the use of the elements of design for creative expression. This is an intermediate level class that will focus on advanced perspective, contour drawing, pen and ink drawing, charcoal drawing, grid drawing, and classical drawing techniques. This class will have weekly sketch assignments/homework, as well as, a writing assignment featuring a well-known artist.

3-D DESIGN AND SCULPTURE I- 9th -12th grade- .50 credit

A course designed to focus on three-dimensional design and sculpture focusing on creating sculptural works, methods, materials, conceptual development, and the use of the elements of design for creative expression. Some of the projects could include ceramics, carving, junk-art sculpture, jewelry-making, and origami.

3-D DESIGN AND SCULPTURE II- 10th-12th grade- .50 credit

A course designed in three-dimensional design and sculpture focusing on featuring sculptural works, advanced methods, various materials, conceptual development plans, and the use of the elements and principles of design for creative expression. Some of the projects could include a ceramic series, wood carving using chisels and dremel tools, assemblage, jewelry-making, paper-engineering, as well as, a required art notebook.

PAINTING AND PRINTMAKING- 9th-12th grade- .50 credit

This is a course that will focus on painting and printmaking. Some of the painting methods will include: watercolor painting, acrylic, and oil painting. Printmaking methods explored will include: block printing, collographs, solar printing, and monoprints.

PAINTING AND PRINTMAKING II- 10th-12th grade- .50 credit

This is a course that will focus on intermediate painting and printmaking techniques. Some of the painting techniques could include large-scale watercolor, acrylic, and oil painting. Printmaking techniques could include: large-scale block printing, collographs, solar printing, and monoprint series. All students will be required to keep a notebook that will be turned in for a grade on a bi-weekly basis.

CERAMICS, MOSAIC AND TEXTILE/FIBER ARTS-9th-12th grade- .50 credit

A course in mosaic and textile arts focusing on ceramics, mosaic, and textile arts methods, materials, processes, procedures, conceptual development, and the use of the elements of design for creative expression. Projects could include ceramics, mosaics, basket-making, and weaving on looms.

CERAMICS, MOSAIC AND TEXTILE/FIBER ARTS II- 10th-12th grade- .50 credit

Mosaics and Textile/Fiber Arts

A course in mosaic, ceramics and textile arts, focusing on intermediate ceramics techniques, mosaics on a large scale using recycled materials, textile techniques for practical purposes, and the use of the elements and principles of design for creative expression. All students will be required to keep an art notebook and should expect a minimum of one research-based project on traditional techniques and the history of one of these materials/art forms.

DIGITAL PHOTOGRAPHY-9th-12th grade- .50 credit ***USB FLASH DRIVE

REQUIRED. Access to a digital camera (personal camera) preferred as classroom cameras will be limited.

This class will be an introduction to digital photography/digital SLR cameras, as well as, an introduction to the history of photography/photographic techniques. The students will use photo-editing and manipulation techniques with such programs as Adobe Photoshop CS4, as well as, other web-based tools. Projects could include: montage/collage, photojournalism, retouching old photographs, light manipulation versus natural light with an emphasis on the elements and principals of design.

AP Studio Art: Prerequisite student must have taken one Elective Art class in the past.

This class is recommended for any students thinking about pursuing a career in the Arts field (such as Art Education, Art Therapy, Graphic Arts, etc) It is an intensive course with the intention preparing a student portfolio(s) for review by the College Board versus taking a written exam like a traditional AP Course. The AP Studio Art Program consists of three portfolios — 2-D Design, 3-D Design and Drawing — corresponding to common college foundation courses taken during the Freshman year of college. Students will work with a variety art materials and tools in a two-dimensional and three-dimensional format, with an emphasis on Art History, the Elements and Principles of Art, Art criticism, and building fundamental art skills.

HEALTH, PHYSICAL EDUCATION, DRIVERS EDUCATION

HEALTH – Juniors - .50 cr.

Prerequisite - None

Purpose - To promote acquisition of proper concepts in regard to personal, family, and community health.

Content - This course is concerned with human life and health practices that have a positive and negative impact on one's health. Mental health, human sexuality, tobacco, drugs and alcohol, nutrition, first aid and CPR, are the main units of information in which students will gain knowledge. Making healthy decisions with regards to these concepts of health is emphasized.

PHYSICAL EDUCATION – Freshmen - Seniors - .50 cr.

Prerequisite - None

Purpose - To promote physical growth and development as well as the proper attitudes and skills to utilize a sound body effectively.

Content - This course provides instruction in individual and team activities relative to sports. Individual and group games, drills, calisthenics, dance, and recreational activities are offered in addition to periodic fitness tests. The President's Council of Physical Fitness test is administered each year in grades 7-12. An emphasis towards lifetime and recreational activities is directed towards 11th and 12th grade classes.

ADAPTIVE PHYSICAL EDUCATION - Special Scheduling determined by the IEP team

Prerequisite - Program prescribed by a physician upon request and approval of the parent and physical education instructor.

Purpose - To provide a program of physical education for students who for medical reasons are unable to participate in a regular program.

Content - This course emphasizes remedial activities approved by the family physician, physical therapist, and/or occupational therapist, under the supervision of the physical education instructor. Classes are very small, and sometimes instruction is individualized. Periodic theory tests may be administered.

OUTDOOR RECREATION - Juniors and Seniors - .50 cr.

Prerequisite – Passed 9th & 10th grade Phys. Ed. (class size is limited)

Purpose - To introduce students to various outdoor activities where they will learn how to take advantage of the wide variety of recreational opportunities available in northern Columbia County.

Content - The student may participate in activities such as: archery, orienteering, fishing, cross country skiing, golf, hiking, etc... they will learn safety measures, skill techniques, and participate in each of the activity units. Included with the course of study will be guest speakers to share their knowledge and expertise of outdoor education and recreational activities, outdoor recreation career search, and possible field trips. In class, students may also do snowshoe building, rod-building (fishing), cross country skiing, fly tying, and map making.

FITNESS AND WELLNESS - Juniors and Seniors - .50 cr.

Prerequisite – Passed 9th & 10th grade Phys. Ed. (class size is limited) Students must be passing their scheduled physical education class.

Purpose - To introduce fitness and wellness as a lifetime commitment, recognizing the long term positive benefits.

Content - Each student will develop an individual fitness program and set desirable fitness goals for the semester. Students will learn how to incorporate the different components of physical fitness and nutrition into their program. Students will be introduced to a variety of life-time activities and recognize that physical activity can be enjoyable and fun while benefiting their health. These activities may include hiking, cross country skiing, rollerblading or skating, golf, horseback riding, etc... Guest speakers may include a nutritionist, physician, and athletic trainer who will discuss how inactivity, obesity, poor nutrition and injury have an impact on health and overall wellness.

DRIVERS EDUCATION – Sophomores - .50 cr.

Prerequisite - None

Purpose – This course will inform young drivers of the rules and regulations of driving. It will help them to develop good safety habits when driving a motor vehicle, become more aware of the vehicle needs and responses that are encountered when driving, and take proper care of a vehicle.

Content - Through the use of videos, handouts, and various examples, the young drivers and soon to be drivers will be introduced to the methods of safe driving and proper vehicle

maintenance to be able to drive within the requirements of the law and common sense driving habits.

AGRICULTURAL EDUCATION

ADVANCED WOODWORKING– 10th-12th grade- .50 credit

Prerequisite- Woodworking

This course is for students who want to advance those skills learned in *Introduction to Woodworking*. They will work with the instructor to plan, construct, and finish a woodworking project(s) of their choice. Students will be encouraged to bring in their own materials to allow their projects to have a totally customized look.

AGRIBUSINESS- 9th-12th grade- .50 credit

This course is designed to introduce students to agricultural business and entrepreneurship. Subject areas covered will include; record keeping, entrepreneurship, national and international agricultural trade, marketing, sales, and budgeting.

BUILDING TRADES – 9th-12th grade- .50 credit

This course will equip you with the basic knowledge of how to build and repair agricultural structures. Topics will include basic 2x4 framing, plumbing systems, land surveying, concrete/masonry, and electrical wiring. These skills will be useful to any student, whether they plan to enter the skilled trades, or simply own a home.

FORESTRY-9th-12th grade- .50 credit

This course is designed to make students more aware of the latest concepts in forestry science. Topics to be covered include forest regions, tree species, forest management, dendrology, forest technologies, and forest products. For portions of this class, students will be working outside in the park to tap trees to make maple syrup, identify trees, and learn how to take tree measurements.

HORTICULTURE-9th-12th grade- .50 credit

Is your green thumb more brown than green? Let's fix that! Topics to be taught in this class will include plant anatomy, plant development and growth, soils, plant reproduction, plant identification, and insect and disease control. Students may also have the opportunity to learn basic floral design skills so they can create their own corsages, boutonnieres, and bouquets.

INTRODUCTION TO AGRICULTURAL MECHANIZATION-9th-12th grade- 1 credit

This course introduces students to the broad field of agricultural machinery, equipment, and structures. The primary purpose of this course is to prepare students to handle the day-to-day problems, accidents, and repair needs they will encounter in their chosen agricultural career. Topics to be covered include FFA, Supervised Agricultural Experience programs, shop and fire safety, hand tool identification and use, tool sharpening and reconditioning, fundamentals of metal working and woodworking, and agricultural careers.

INTRODUCTION TO AGRICULTURAL PRODUCTION OPERATIONS-9th-12th grade-
1 credit

Whether your goal is to be directly involved in the agriculture industry or not, we are all daily consumers of agricultural products. Being knowledgeable about the food you eat, products you purchase, and the world around you will benefit you throughout your life. This course is designed to make beginning agriculture students more aware of concepts in agricultural science. Topics to be covered include FFA, Supervised Agricultural Experience programs, history of agriculture, agriculture today, dairy foods, meat science, animal science, plant science, and agricultural careers.

LARGE ANIMAL SCIENCE- 9th-12th grade- .50 credit

This course is designed to build on the information students have acquired in Livestock Care and Management. Units taught will include livestock reproduction, growth and development, genetics, nutrition, and digestion. Hands-on lessons incorporating animals will be utilized whenever possible.

LIVESTOCK CARE AND MANAGEMENT- 9th-12th grade- .50 credit

The purpose of this course is to give students knowledge of livestock species and breeds and how to safely raise those animals in a production setting. Animal behavior and welfare concerns will also be discussed. Hands-on experience with animals and specimens will be used when possible.

NATURAL RESOURCE MANAGEMENT- 9th-12th grade- .50 credit

Do you have an interest in the world around you? This course is designed to make students more aware of the needs for conservation of our natural resources. Topics to be covered include biomes, environmental relationships, soil quality and conservation, water quality, air pollution, land pollution, basic wildlife management, alternative energy and fuels, and sustainable agriculture.

POWER MACHINERY- 9th-12th grade- .50 credit

This course is an in-depth look at the structure and function of two and four stroke engines. Students will explore how an internal combustion engine works, then apply their knowledge by completing hands-on engine skills. The ultimate goal of the course is to disassemble, reassemble, and troubleshoot a four-stroke engine.

SAE (SUPERVISED AGRICULTURAL EXPERIENCE) I-IV- 1 credit

Prerequisite- Teacher Approval

The Supervised Agricultural Experience (SAE) program involves real-world agricultural activities done by students outside of planned classroom and laboratory time. SAEs provide a method for students to receive practical career skills in an area of agriculture in which they are interested. Students will show a successful project by keeping records of their work completed, hours invested, and/or wages earned. To be approved for one credit, students will sign an commitment contract and meet requirements laid out by the ag teachers.

SMALL ANIMAL CARE AND MANAGEMENT- 9th-12th grade- .50 credit

Have you always dreamed of a career working with animals? Start your future career as a veterinary technician, farmer, trainer, or zookeeper on the right path with Small Animal Care and Management. This course is designed to introduce students to the history of domestication, common companion animal breeds as well as how to properly handle and care for those animals. Hands-on lessons with animals may be taught when possible.

VETERINARY SCIENCE- 9th-12th grade- .50 credit

Students will continue gaining knowledge of animal care in this course. Students enrolled in this course will be taught animal anatomy and physiology, handling and restraining, physical examinations, disease prevention, control and treatment, and surgical skills. Hands-on experiments with animals and specimens will be used whenever possible.

WILDLIFE MANAGEMENT- 9th-12th grade- .50 credit

The goal of this course is to provide students with knowledge of wildlife management and conservation. It is ideal for any student interested in a career in the field of wildlife biology as well as students that enjoy hunting, fishing, trapping, or other outdoor recreation. Topics to be covered include the history of wildlife management, identification of mammals, fish, and birds found in Pennsylvania. Management techniques for the preservation and control of wildlife populations and habitat improvement practices will be studied.

WOODWORKING- 9th-12th grade- .50 credit

This hands-on course introduces students to the craft of woodworking. Topics covered include: shop safety, project design, material selection and assembly, fasteners, finishing, and job opportunities in this area. The ultimate goal of this course is to plan, design, and construct a wood chest project.

*All students enrolled in agriculture classes are automatically considered members of the FFA.

INDEPENDENT STUDY CRITERIA

Prior to approval for Independent Study, students must meet the following criteria:

1. The student must have an 85 average or better and have not failed any courses.
2. The student may not take a course they previously failed or take a course offered in the regular core curriculum that can be placed in their schedule.
3. The student must submit a written request to the guidance office with justification for taking the course.
4. Independent study requests must have the approval of the guidance counselor and teacher prior to submission to the principal for final approval.
5. Independent study for gifted students should be included in the gifted IEP.
6. Students may not be taken out of a core class (English, Math, Social Studies, Science) for an independent study course.
7. Specific class requirements and syllabus for the independent study will be developed by the teacher and approved prior to the student beginning the independent study.
8. Students who fail to fulfill the requirements as agreed upon for the course will be removed from the independent study and scheduled into an available class.
9. Independent study must be requested and approved prior to the beginning of classes for a full credit course.
10. Criteria for independent study will be included in the course selection guide.