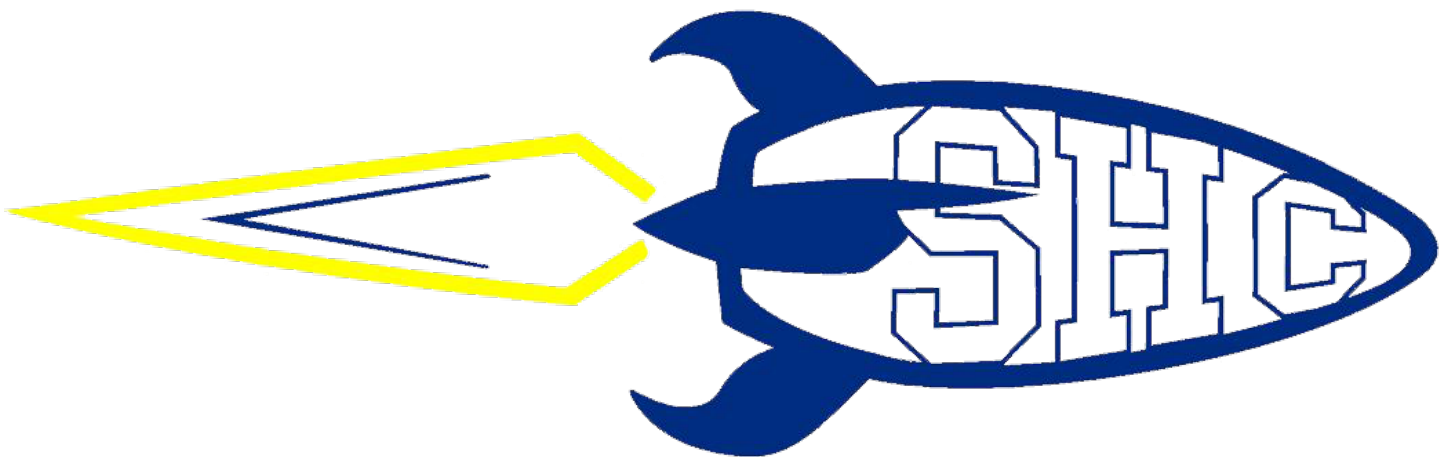


Southern Huntingdon County School District



High School Course Catalog 2025-2026

Southern Huntingdon County School District

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District Graduation Requirements

All students must complete a core program of courses that have been organized to educate students to become lifelong learners and productive citizens. Sequences of courses provide for proficiency and understanding in the major disciplines. Specific graduation requirements are listed below:

- Students must earn a minimum of 15 community service hours.
- Students must participate in 3 job shadows. It is highly recommended that students job shadow in career fields of interest. It is also recommended that students do one job shadow a year.
- Students must satisfy state exam requirements and successfully complete a culminating graduation project.
- Students must earn the following credits:

Classes of 2021-2026		HCCTC Students	
Subject	Credits	Subject	Credits
English	4	English	4
History	3	History	3
Mathematics	4	Mathematics	4
Science	3	Science	3
Health I	0.5	Health I	0.5
Health II	0.5	Health II	0.5
Humanities*	2	HCCTC Shop	3 per year
Physical Education	1.5	Physical Education	0.5
Electives	6	Electives	1
Total Credits=24.5		Total credit requirement is not impacted by HCCTC programs.	
Promotion Requirements			
Grade 9 to 10 = 6 credits			
Grade 10 to 11 = 12.5 credits			
Grade 11 to 12 = 18.5 credits			

*Humanities includes Art, Music, and Foreign Language courses.

Important Note: Many post-secondary programs may have additional requirements in specific subjects beyond what is required to graduate from SHCSD. If your child plans to attend a post-secondary institution, it is beneficial to research institution or program-specific requirements

ACT 158 Graduation Pathways

Effective with the class of 2023, The Pennsylvania Department of Education requires all students to meet one (1) of five (5) pathways for graduation:

1. Keystone Proficiency Pathway:
 - a. Score proficient or advanced on each of the Keystone Exams
2. Keystone Composite Pathway:
 - a. Earn a COMBINED score of 4452 on all Keystone Exams (Algebra I, English 10, Biology
 - b. Achieve a score of Proficient on at least one exam, but NEVER Below Basic on any exams.
3. Alternative Assessment Pathway:
 - a. Students must earn a passing grade in the following classes:
 - i. Algebra I
 - ii. English 10
 - iii. BiologyAND earn a satisfactory score on one of the following:
 1. SAT:1010
 2. PSAT: 970
 3. ACT: 21
 4. ASVAB: 31
 - b. Attainment of Gold Level on ACT WorkKeys Assessment
 - c. Attainment of a 3 higher on an AP test in the content area associated with Keystone Exam.
 - d. Take and pass a dual-enrollment class associated with each Keystone Exam.
 - e. Completion of a pre-apprenticeship program.
 - f. Acceptance into an accredited 4-year nonprofit college or university
4. Evidence Based Pathway:
 - a. Students must earn a passing grade in the following classes:
 - i. Algebra I
 - ii. English 10
 - iii. Biology
 - b. ONE of these options:
 - i. Attainment of Silver Level ACT WorkKeys Assessment
 - ii. Attainment of 630 on SAT Subject Test
 - iii. Attainment of a 3 on AP Test
 - iv. Acceptance into an accredited nonprofit institution or higher education other than a 4-year institution.
 - v. Attainment of an industry-recognized credential
 - vi. Successful completion of a dual-enrollment course
 - c. TWO of these options;
 - i. Satisfactory completion of a service learning project
 - ii. Attainment of proficiency or advanced on a Keystone Exam
 - iii. A letter from an employer guaranteeing full-time employment
 - iv. A certificate of successful completion of an internship or cooperative education program.
 - v. Satisfactory compliance with the NCAA's core course for college-bound student athletes with a minimum GPA of 2.0.

5. Career and Technical Education Pathway:

- a. Obtain an industry-based credential in the program the student is deemed a concentrator OR a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE concentrator's program of study.

Keystone Exams

The Keystone Exams are state-mandated, end-of-course assessments designed to measure proficiency in identified subjects. Beginning with the Class of 2020, students must demonstrate proficiency on the Algebra 1, Literature, and Biology Keystone Exams, or meet alternative requirements as defined by the Pennsylvania State Department of Education, to graduate. Students will sit for a subject's Keystone Keystone in the spring for any related subjects in which they are currently enrolled.

Because Keystone Exams are designed as end-of-course assessments, the following courses are identified as classes that culminate with a Keystone Exam:

- Algebra I or Algebra IB
- English 10
- Biology I

The Keystone testing windows are:

Window	Dates	Subject Tests
Winter Wave 1	12/3-17, 2025	Algebra 1, Biology, Literature
Winter Wave 2	1/5-16, 2026	Algebra 1, Biology, Literature
Spring	5/11-22, 2026	Algebra 1, Biology, Literature

Additional Standardized Testing Information

Required		
Assessment	Dates	Group Tested
PSAT/NMSQT	October, 2025	10 th Grade students 11 th grade students upon request and payment
ASVAB	TBD	All 11 th grade students 12 th grade students upon request
CDTs	Fall, Winter, & Spring	Given in all content areas (Grades 9-12)
NOCTI	Spring 2026 (TBD)	Qualifying 12 th grade students in Agricultural Sciences

Optional			
Assessment	Type	Group Tested	Registration Information
SAT	College Aptitude	11 th and 12 th Grade Students	sat.collegeboard.org
ACT	College Aptitude	11 th and 12 th Grade Students	Actstudent.org

These assessments are designed to test the college readiness of students who are interested in pursuing post-secondary education. Check with the school you're interested in to see if they require SAT or ACT scores. Multiple testing dates are offered throughout the year at a variety of locations. Visit the exam's affiliated website or contact the school counseling office for additional information.

Designing Your Schedule

Use this checklist to assist you in designing your schedule

	Review your current schedule and/or transcript to determine classes you need to schedule.
	Review the "Course Planning Guide by Grade" on pages 10 & 11 of this course catalog.
	If you're entering 12 th grade, review the credit and core graduation requirements on page 3, or use the Academic Review on pages 12 (Full-Day students) and 13 (HCCTC Students) of this course catalog to be sure you schedule the required courses and credits to graduate.
	If you are completing the Agricultural Productions programs through SHCHS, check with the instructors to ensure you select appropriate courses towards program completion.
	Decide whether you wish to schedule college courses (grade 11 and 12 only). College course information is listed on page 11. Additional dual enrollment & dual credit info can be found in the Counseling Office.
	HCCTC students may be eligible for co-operative work experiences through the Career and Technology Center. Arrangements must be made through the HCCTC.
	Complete the Course Selection Sheet you were recently given. Additional copies are available in the Counseling Office.
	Be sure you have all necessary signatures on the Course Selection Sheet.
	Give your completed course selection sheet to your English teacher no later than the designated due date.

IMPORTANT NOTE ABOUT SCHEDULING: All student schedules are subject to change and are dependent on the Master Schedule!

Electronic scheduling will begin in the spring!

Please see the high school counselor if you have any questions!

Schedule Change Information

The school's master schedule is designed each year based on the courses our students request. Every effort is made to match student's needs and interests. Once schedules are made, the master schedule is in place and cannot be restructured. For this reason:

- Please carefully consider the classes you are scheduling.
- **Do not “tentatively” schedule** certain classes with the thought that you can change it later.
- Although change options may exist, we can best serve our students when schedule changes are kept to a minimum.

Schedule Change and Withdrawal Policy

1. Schedule changes which require a detailed re-arrangement of a student's schedule **may not be possible to accommodate.**
2. **Students are permitted to drop a course during the first two weeks of the new school year.** All students requesting a schedule change must complete a “Schedule Change Request Form” and turn it in to the School Counseling Office.
If permitted to drop a course, **the student must add another credited course.** Please be aware that any schedule changes may affect what appears on your transcript.
3. **After the third week of school, any course withdrawal, approved or otherwise, will result in a grade of WF (Withdrawal-Fail). This will show up as an “F” on the official transcript.**

NCAA Eligibility

Playing a sport in college at the Division I or Division II level requires prospective student athletes to take specific classes. To ensure eligibility, please meet with your school counselor to create a plan of study!

For prospective student athletes to qualify for a **Division I** sport, they **MUST** meet the following requirements:

- 4 credits in English
- 3 credits in Math (Algebra I or higher)
- 2 credits in Natural/Physical Science
- 1 additional credit in subjects stated above
- 2 credits in Social Science
- 4 additional credits in subjects stated above or a foreign language.

For prospective student athletes to qualify for a **Division II** sport, they must meet the following requirements:

- 3 credits in English
- 2 credits in Math (Algebra I or higher)
- 2 credits in Natural/Physical Science
- 3 additional credits in subjects stated above
- 2 credits in Social Science
- 4 credits in subjects stated above or a foreign language.

Recommended Course Planning Guide for College-Bound Students

Grade 9

Course Name	Credit
Algebra I w/Lab or Algebra IA(or next math in sequence)	1.2
American Government	1
General Science	1
Spanish I	1
Health I	.5
PE	.5
English 9	1
Open Relevant Elective and/or Humanity	1 or 2

Grade 10

Course Name	Credit
Algebra II or Algebra IB (or next math in sequence)	1
World History	1
English 10	1
Biology	1.2
Spanish II	1
Chemistry I	1.2
Open Relevant Elective or Humanity	1 or 2

Grade 11

Course Name	Credit
Geometry (or next math in sequence)	1
English 11	1
Chemistry II	1.2
Physics	1.2
U.S. History (or another relevant history)	1
Health II	.5
PE	.5
Open Relevant Elective	1 or 2

Grade 12

Course Name	Credit
College Algebra (or next math in sequence)	1
English 12	1
Anatomy and Physiology	1
Advanced Biology	1.2
PE	.5
Open Relevant Electives	

Math Series:

1. Algebra I; Algebra II or Algebra II Honors Geometry or Geometry Honors, College Algebra, Pre-Calculus, Calculus
2. Algebra IA; Algebra IB; Geometry or Algebra IIA; Algebra II or Personal Finance

NOTE: Geometry/Hons Geometry can be taken concurrently with either Algebra II/Hon Algebra II

*Math course selection will be upon recommendation per the Math Department.

*For specific course recommendations based on intended college major, please see Mrs. Fischer in Guidance.

Recommended HCCTC Course Planning Guide

Grade 9

Course Name	Credit
Algebra I or Algebra IA (or next math in sequence)	1
English 9	1
American Government	1
General Science	1
Health I	.5
Health II	.5
PE	.5
Open Electives	1 or 2

Grade 10

Course Name	Credit
Algebra IB or Algebra II (or next math in sequence)	1
English 10	1
Biology	1.2
World History	1
HCCTC Shop	3

Grade 11

Course Name	Credit
Algebra IIA or Geometry (or next math in sequence)	1
English 11	1
Applied Science or Chemistry I	1 or 1.2
U.S. History	1
HCCTC Shop	3

Grade 12

Course Name	Credit
Personal Finance or College Algebra (or next math in sequence)	1
English 12	1
HCCTC Shop	3
Open Relevant Electives	1 or 2

Math Series:

1. Algebra I; Algebra II or Honors Algebra II; Geometry or Honors Geometry; College Algebra, Pre-Calculus; Calculus.
2. Algebra IA; Algebra IB; Algebra II or Algebra IIA; Geometry or Personal Finance

NOTE: Geometry/Honors Geometry can be taken concurrently with either Algebra II/Honors Algebra II

*Math course selection will be upon recommendation per the Math Department.

Student Academic Review – Full Day Student

Student Name: _____

Grade: _____ Date: _____

Class of (circle one): 2026 2027 2028 2029

Subject	Credits Needed	9 th	10 th	11 th	12 th
English	4				
History	3				
Mathematics	4				
Science	3				
Health I	0.5				
Health II	0.5				
Humanities (Music, Art, Foreign Language)	2				
Physical Education	1.5				
Electives	6				
TOTALS		9 th Grade Credit Totals	10 th Grade Credit Totals	11 th Grade Credit Totals	12 th Grade Credit Totals
Required Credits	24.5	NOTES:			
Total Credits Completed					
Total Credits Attempting					
Total Credits Remaining					

Student Signature

Date

Parent Signature

Date

Student Academic Review – HCCTC Student

Student Name: _____

Grade: _____ Date: _____

Class of (circle one): 2025 2026 2027 2028

Subject	Credits Needed	9 th	10 th	11 th	12 th
English	4				
History	3				
Mathematics	4				
Science	3				
Health I	0.5				
Health II	0.5				
HCCTC Coursework	9				
Physical Education	0.5				
TOTALS		9 th Grade Credit Totals	10 th Grade Credit Totals	11 th Grade Credit Totals	12 th Grade Credit Totals
Required Credits	24.5*	NOTES:			
Total Credits Completed					
Total Credits Attempting					
Total Credits Remaining					

*Students who complete all 3 years at the CTC will need 25 credits in total, in order to complete all other required electives.

Student Signature Date

Parent Signature Date

Dual Enrollment and College Credit

Important Note: All forms of college credit have related costs and fees which are the sole responsibility of the family. SHCSD does not provide assistance to cover these fees. Speak with the school counselor or college and career advisor for information on these programs.

Advanced Placement (AP) Courses

Any student may enroll in AP courses if they meet course prerequisites. Advanced Placement (AP) courses are college-level courses designed to prepare students to take the Advanced Placement tests administered in May. As such, these courses carry a 1.1 weighting for student GPA. Many colleges and universities in the U.S. grant credits for advanced placement based on AP exam scores. The AP Grades that are reported to students, high schools, colleges, and universities in July are on AP's five-point scale:

- 5: Extremely Well-Qualified
- 4: Well-Qualified
- 3: Qualified
- 2: Possibly Qualified
- 1: No Recommendation

*****Please note that the score colleges and universities accept differ. Please do your own research!**

Dual Enrollment or Dual Credit

Dual Enrollment is when high school students take college classes. The students are enrolled in high school and college at the same time.

For approved dual enrollment courses: 3 or 4 credit college course = 1 high school credit

Dual Credit is a subset of dual enrollment, when students take college classes at their high school and receive both high school and college credit for the college course.

For in-building Dual Credit courses: Credit is based upon course meeting time (see credit key page 16)

Southern Huntingdon County School Districts partners with the following colleges to offer dual enrollment: Mount Aloysius, Penn Highlands, IUP, and Juniata College.

- Fall semester registration deadlines are typically in September & Spring semester registration deadlines range between November and January. Check with the specific college regarding exact deadlines.

Registration information and dual enrollment forms are located in the School Counseling Office.

Penn Highlands "ACE" and "Associates in High School" Programs

Qualified high school students can take advantage of Penn Highlands' fully accredited Accelerated College Education (ACE) program, where students will have the opportunity to enroll in college-level courses taught by their high school or technical school teacher. ACE students can earn dual credits through both Penn Highlands and your high school. These credits can count towards an associate's degree, and are often able to be transferred to other colleges and universities.

An extension of ACE, the Associates in High School program provides students with an opportunity to earn an Associate's Degree by completing ACE, online, and on-campus coursework through SHCSD and PHCC.

Students wishing to attend a 4-year university should be aware that ACE credits may only transfer into certain institutions, and that even with full credit transfer, certain academic programs will require a set amount of semesters. If you are participating in this program with the intention of shortening your years attending college, please do your research to determine if this is the appropriate program for your plans

Career and Technical Education Programs at SHCHS

In order to be prepared for the workforce of the future, students must graduate with strong academic, technical, and real-world skills (Commonwealth of Pennsylvania, 2019).

There is not a one-size-fits-all postsecondary path for every high school student, so it is critical for them to be prepared for success on whatever path they take after graduating – whether they enter the workforce, join the military, or continue their education (Commonwealth of Pennsylvania, 2019).

Career and technical education (CTE) at offers students the opportunity to develop critical skills through a combination of classes and hands-on learning experiences, which allow them to apply academics to real-world problems (Commonwealth of Pennsylvania, 2019).

The Southern Huntingdon County School District offers two Career and Technical Education (CTE) programs for high school students. Upon graduation, students enrolled in the CTE programs have the opportunity to continue their education in that career cluster or seek employment immediately in a high priority occupation that is in high demand and offers competitive wages.

Our CTE courses have articulation agreements with area technical schools and colleges. Students can earn college credit by successfully completing a CTE Program at SHCHS. Each Career & Technical Program requires that students participate in the NOCTI examination program. Students take a written (online) test and a hands-on test related to areas in their program. If successful, students can earn a PA Skills Certificate which can enhance a student's resume and help with college placement.

Participating in a CTE Program at Southern Huntingdon County High School allows students to stay at their home school. Students can also take other electives as well as participate in additional school activities. We are proud to offer the following two (2) CTE programs at Southern Huntingdon County High School:

1. Agriculture Productions - 4 year program

Commonwealth of Pennsylvania. (2019). Career and Technical Education. Retrieved November 19, 2019, from [https://www.education.pa.gov/K-12/Career and Technical Education/Pages/default.aspx](https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/Pages/default.aspx)

Program Description: Agriculture Productions

Agriculture is Pennsylvania's #1 employer with about 1 in every 5 jobs being agriculturally-related. There are 300 different agricultural career opportunities, which include veterinarian, forester, landscaper, agriculture mechanic, floral designer, agriculture teachers, salesperson, and agriculture engineer, just to name a few.

Agriculture is the study of the food, fiber, and natural resources industries, and the Ag Science Department has a variety of classes to meet everyone's interests from plants and animals to mechanics and the environment. Students will learn skills for entry-level positions and to further their education after high school.

Agricultural education at the high school level focuses on three main categories: classroom instruction, supervised agricultural experience (SAE), and active involvement in the National FFA Organization. All students enrolled in an agricultural education course will complete an SAE project, be engaged in hands-on learning, and be recognized as a National FFA member.

Scope and Sequence: Agriculture Productions

Agriculture Productions				
SUBJECTS	9TH	10TH	11TH	12TH
AGRICULTURE: <i>*All of these courses can be taken in any order as long as the prerequisites for the courses are followed.</i>	Agribusiness/Agricultural Leadership	Animal Science	Animal Science	Animal Science
	Supervised Agricultural Experience (Independent years I)	Plant and Soil Science	Plant and Soil Science	Plant and Soil Science
		Wildlife, Forestry, Natural Resource	Wildlife, Forestry, Natural Resource	Wildlife, Forestry, Natural Resource
		Veterinary Science I	Veterinary Science I	Veterinary Science I
		Power, Structural, and Technical Systems	Power, Structural, and Technical Systems	Power, Structural, and Technical Systems
		Supervised Agricultural Experience (Independent years I or II)	Supervised Agricultural Experience (Independent years I, II, or III)	Supervised Agricultural Experience (Independent years I, II, III or IV)

ENGLISH	Academic or Honors	Academic or Honors	Academic or Honors	Academic or Honors
MATH	Alg 1 or Alg 2	Alg 2 or Geometry	Pre Calculus or College Algebra	Personal Finance or Calculus
SCIENCE	GENERAL SCIENCE	BIOLOGY	CHEMISTRY	
SOCIAL STUDIES	AMERICAN GOVERNMENT	WORLD HISTORY	U.S. HISTORY	PSYCH/SOC
OTHER	PHYS ED (1 ½ credits) Health I (1 semester), Health II (1 semester)			

Course Descriptions

Course descriptions (by subject area) are included on the following pages for each course offered at Southern Huntingdon County High School and Huntingdon County Career and Technology Center:

13	English	24	Health & Physical Education		
16	History	25	Business	33	Agricultural Education
18	Mathematics	27	Foreign Languages	36	Technology Education
21	Science	28	Visual & Performing Arts	38	HCCTC Programs

Credit Key:

- 0.5 (1/2) credit: meets every day for one semester (two marking periods) noted as “Semester”.
- 1 credit: meets every day for an entire school year.
- 1.2 credits: meets every day for an entire school year, and typically has an associated lab period meeting as often as daily or as infrequently as once per cycle.

Course Type Key:

- Core: This course is a main course in the subject and counts towards the subject graduation requirement.
- Accelerated: Accelerated classes are core subjects OR electives with a weighted GPA, some may optionally be taken for college credit.
- Elective: This course covers content area that expands on a specific aspect or area of the subject. **Elective courses DO NOT count towards graduation requirement for the subject area**, instead counting toward elective credits.

Weighting: AP, Honors, and Dual Enrollment courses carry greater weight on GPA, based upon the additional rigor of these courses. AP courses are weighted at 1.1, most honors and dual enrollment courses are weighted at 1.05, while all other courses have a weighting of 1 based upon the district weighted grades policy.

Example: A 95 in a course with a 1.1 weight will equate into the GPA as a 104.5. However, the grade on the report card will still show as a 95.

IMPORTANT NOTE: Due to student interests, certain courses may be offered on a rotating basis of every 2 or 3 years. Students are encouraged to take advantage of these courses, as they become available.

Please read course descriptions, grade levels, and prerequisites carefully, as there are limited options for changing courses once your schedule is set. This will also assist your school counselors by limiting students attempting to enroll in courses for which they are not eligible. The school counselors thank you for your assistance and cooperation in this matter.

English Core

English 9

Credit: 1 **Type:** Core **Grade(s):** 9 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

In ninth grade, students will focus on analysis of reading and analytical writing grounded in evidence from text. Focusing on deciphering perceptions of truth and reality, they determine and evaluate an author's ideas, argument, specific claims, and counterclaims. Students examine reasoning, both others' and their own for validity and relevant evidence. In ninth grade, students identify fallacious reasoning and false statements. Ninth graders analyze an author's use of rhetoric to advance a point of view or purpose. Students analyze how the author unfolds an analysis or series of ideas or arguments, including the order in which the points are made, how they are introduced and developed, as well as the connections made between them. Students acquire and use with independence, academic and domain specific words at the college and career readiness level. Required vocabulary and mini grammar units will help students to write more concisely and correctly.

Honors English 9

Credit: 1 **Type:** Accelerated **Grade(s):** 9 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): Min 93% 8th Gr. ELA, 1050 CDT, and Teacher Recommendation **Offered:** Yearly

Honors English 9 is geared toward students who are able to handle a fast-paced English class, with the expectation being placed on students to take their learning seriously. It is expected that students in Honors English are willing to work hard. In ninth grade, students focus on analyzing various texts using evidence from the texts to support their ideas in writing. Students will be asked to examine an author's reasoning, arguments, claims, and counterclaims. It is expected that students entering this ninth grade English class are motivated readers and writers. Honors English students are expected to read and analyze text independently, participate in group discussions, and independently write organized essays. In Honors English 9, students will be reading entire texts outside of class, with the expectation that they will be prepared to discuss and analyze the text in class. A rigorous vocabulary program will be used in this course.

English 10

Credit: 1 **Type:** Core **Grade(s):** 10 **Duration:** Year **Weighting:** 1
Prerequisite(s): English 9 or Honors English 9 **Offered:** Yearly

In tenth grade, students analyze various forms of literature, both fiction and non-fiction. The focus is on theme development, author's beliefs, point of view, text structure, and rhetoric. Students will write using sufficient facts, concrete details, and quotations. This class will focus on developing reading and writing skills. Students will be improving their vocabulary, reading comprehension, grammatical skills, and writing fluency in both large groups and small groups, as well as moving toward independent work as the year progresses.

Honors English 10

Credit: 1 **Type:** Accelerated **Grade(s):** 10 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): Min. 93% English 9 or 85% Honors English 9, 1050 CDT, and Honors Teacher Recommendation **Offered:** Yearly

Students entering Honors English 10 should expect to participate in a fast-paced English class, with the expectation that they will be completing rigorous reading writing, and vocabulary assignments. In tenth grade, students analyze various forms of literature, both fiction and non-fiction. The focus is on theme development, author's beliefs, point of view, text structure, and rhetoric. Students will write using sufficient facts, concrete details, and quotations. This class will focus on developing independent reading and writing skills. In Honors English 10, students will be reading entire texts outside of class, with the expectation that they will be prepared to discuss and analyze in class. Students in Honors English 10 will be expected to be comfortable writing essays independently, averaging approximately one essay per week. Students should expect to write at least 1 research paper of approximately 3 to 5 pages in length.

English 11

Credit: 1 **Type:** Core **Grade(s):** 11 **Duration:** Year **Weighting:** 1
Prerequisite(s): English 10 **Offered:** Yearly

In 11th grade, students analyze and evaluate perspective in connection to purpose, audience, and biases. Students use evidence from the text in writings. Students will conduct sustained research projects, using multiple sources and complex ideas.

English 12

Credit: 1 **Type:** Core **Grade(s):** 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): English 11 **Offered:** Yearly

In twelfth grade, students move towards academic independence and college-and-career readiness. Students grapple with demanding texts by integrating previously learned skills to analyze and evaluate the writer's premise, purpose, and argument in both informational and literary text. Students conduct sustained research and engage in sharp distinctive writing while making informed decisions, solving problems, evaluating the credibility and accuracy of sources, and noting discrepancies among the resources. Using previously learned competencies, students master skills such as asking their own questions, solving their own problems, and leading their own class discussions. Finally, students continue to develop the skills in reading, writing, speaking, and listening to master purposeful and independent expression

AP (Advanced Placement) English Language & Composition

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Teacher Recommendation **Offered:** Biennially, next offered in 2025-2026

This course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

AP (Advanced Placement) English Literature

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.1

Prerequisite(s): Teacher Recommendation

Offered: Biennially, offered in 2024-2025

Learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Explore literary elements such as a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone. Develop your writing skills as you express your ideas and analysis in expository, analytical, and argumentative essays.

English Electives

Yearbook Assistant/Journalism

Credit: 1

Type: Elective

Grade(s): 11,12

Duration: Year

Weighting: 1

Prerequisite(s): Permission from Mrs. Keim

Offered: Yearly

Yearbook assistants are Juniors or Seniors. *Sophomores and Freshmen* can volunteer to take pictures as part of the yearbook club, but they may not earn credit as assistants. Yearbook and journalism assistants are responsible for creating pages for the yearbook. Students will need to take, upload, and organize photographs; interview staff and students; create digital content; utilize Google forms, email, drive; learn to use Canva, Jostens Yearbook Avenue, and Photoshop; write, proofread, and revise content for the yearbook; create ads following specific guidelines; assist photographers on picture days; and promote yearbook sales. Each assistant will be responsible for a minimum of 10 spreads in the yearbook and selling and creating 3 ads for local businesses. Students must possess computer skills or be willing to learn how to create pages and digital content. Being able to meet deadlines is imperative to receive credit for this course. Please talk to Mrs. Keim for approval prior to scheduling this course.

History Core

American Government & Economics

Credit: 1 **Type:** Core **Grade(s):** 9 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

Government: This course provides an in-depth understanding of the functions of all levels of government in the United States (Federal, State and Local). Students will be more effective citizens when they are equipped with a basic understanding of our government. Additional topics discussed include political parties, voting, and criminal/civic law.

Economics: Students in this course will develop an understanding of our economic system. The main emphasis will be on learning the basics of economics such as supply and demand, types of business, and how the government and economics work together. Personal Finance can also be covered.

World History

Credit: 1 **Type:** Core **Grade(s):** 10 **Duration:** Year **Weighting:** 1
Prerequisite(s): Completion of American Government **Offered:** Yearly

This World History course explores the development of our global community related to various themes relating to past and present events. eleventh century. Early topics include the European Renaissance and Reformation, and the worldwide effects of the democratic revolutions (American and French) and Industrial Revolution. Particular emphasis is given to more recent topics, including European Colonization of the Americans, Asia, and Africa and the subsequent independence movements of those areas, hot wars and cold wars of the 20th century, and Communism's rise and fall.

US History

Credit: 1 **Type:** Core **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Completion of World History **Offered:** Yearly

This course will focus on U.S. History from the post-Civil War era to the present. Units include, but are not limited to, the development of industrial America, World War I & beyond, The Great Depression, World War II, Cold War, Civil Rights movement, Vietnam War Era, etc. The course is designed to present the cause & effects of major events in American history & to tie key people & events from the past to issues occurring in present-day society. The course will inform students about the origins and development of the nation's government, economy, society, & culture, while also encouraging students to look beyond the facts & ask the deeper questions of how & why events in America's past occurred & what impact they might lead to in the future.

AP World History: Modern

Credit: 1.1 **Type:** Accelerated **Grade(s):** 10,11,12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Prior History class and teacher recommendation **Offered:** Yearly

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation

Psychology & Sociology

Credit: 1 **Type:** Core **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1

Prerequisite(s): Completion of US (or Adv. US) History **Offered:** Yearly

Sociology is a study of human relationships. Topics include socialization, social structure, marriage, family, divorce, social stratification, education, religion, research methods, groups, and culture.

Psychology is a study of the human mind and its manifestations. The field of psychology and methods used by psychologists will be examined. Other topics include: Brain, Body, and Awareness; Cognitive Processes; Human Development; Personality; Psychological Disorders.

PHCC Western Civilizations I

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12, 10** **Duration:** Year **Weighting:** 1.1

Prerequisite(s): Teacher Recommendation **Offered:** Biannually (25-26)

This college level course examines the history and experiences of cultures that profoundly influenced and gave rise to modern western culture. Major political, social, economic, cultural and religious trends that gave rise to western civilization will be examined, discussed, and interpreted. This course will begin with the European Renaissance and continue through the present day. Students in this course will be expected to gain a working knowledge of the history of Western Civilization. Students will also gain greater ability to think critically about the past and the interpretations that have been made about historical events. This will be accomplished through the analysis and evaluation of primary and secondary courses, class lectures, and the completion of essays and projects throughout the year. Students may earn three college credits either through Penn Highlands Community College or by earning a sufficient score on the AP European History exam.

*****Dual-Enrollment course with Penn Highlands**

****10th Grade Students must be approved by the instructor and school counselor before enrolling.**

Advanced US History (AP or PHCC)

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12, 10** **Duration:** Year **Weighting:** 1.1

Prerequisite(s): Teacher Recommendation **Offered:** Biannually (24-25)

This course is structured to be the equivalent of a college level, two-semester course in United States History. It is designed both to prepare students for the U.S. History Advanced Placement exam and to satisfy the requirements of and is equivalent to HIS100 and HIS110 through PHCC. Students in this course will investigate significant events, individuals, developments and processes in United States History from approximately 1491 to the present day. Students will be required to examine primary and secondary sources, compare historical periods, and write essays of varying lengths to justify historical arguments. Successful students will also be able to make connections between different historical developments in different time periods and explain cause and effect relationships throughout American history.

****10th Grade Students must be approved by the course teacher and school counselor before enrolling**

AP Psychology

Credit: 1 **Type:** Accelerated **Grade(s):** 11,12 **Duration:** Year **Weighting:** 1.1

Prerequisite(s): Teacher Recommendation **Offered:** Yearly

This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods,

including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

Advanced American Government (AP or PHCC)

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12, 10** **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Current Teacher Recommendation **Offered:** Biannually

Advanced U.S. Government and Politics is an introductory college-level course in U.S. government and politics. This course will be taught to the standards set forth by the Advanced Placement curriculum for U.S. Government and Politics. Students may either take the AP exam or earn three college credits via Penn Highlands. This course examines the evolution of the principles, form, and operation of the national government system. Students will explore topics such as constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis

****10th Grade Students must be approved by the course teacher and school counselor before enrolling.**

Mathematics

Algebra 1A

Credit: 1 **Type:** Core **Grade(s):** 9 **Duration:** Year **Weighting:** 1
Prerequisite(s): Teacher recommendation **Offered:** Yearly

This course will review order of operations involving real numbers. Once mastered, these skills will be used to solve equations and proportions. Students will be introduced to the concept of functions. This will lead into lessons involving linear functions and their graphs. As time permits, the year will round out by learning how to simplify expressions involving exponents and roots. The purpose of Algebra IA and IB is to split an entire Algebra 1 curriculum across two years.

Algebra 1B

Credit: 1 **Type:** Core **Grade(s):** 10 **Duration:** Year **Weighting:** 1
Prerequisite(s): Algebra 1A **Offered:** Yearly

This course reviews topics covered in Algebra IA, students will learn how to apply the four basic operations to polynomials. They will learn how to factor polynomials and use this knowledge to help graph quadratic functions, as well as solve quadratic equations. Students will learn to solve inequalities and graph their solutions. Students will also learn how to solve a system of equations and inequalities using substitution, elimination, or graphing. As time permits, students will be introduced to simplifying radical and rational expressions and solving radical and rational equations.

Algebra I w/ Lab

Credit: 1.2 **Type:** Core **Grade(s):** 9 **Duration:** Year **Weighting:** 1
Prerequisite(s): MS Pre-Algebra **Offered:** Yearly

This course will review the concepts mastered in Pre-Algebra. Students will spend a considerable amount of time studying linear functions. They will learn to graph & analyze linear functions, as well as solve linear inequalities. Students will finish out this unit by learning to solve systems of linear equations & inequalities. As time permits, students will explore topics involving polynomials, quadratic, radical, rational, & exponential functions.

Algebra Lab is an additional period for all high school students in Algebra I. Meeting daily, the students will reinforce concepts they are currently learning in class. Time will also be devoted to reviewing prior material covered in an attempt to ensure retention. Algebra Lab will also provide students with the opportunity to receive additional support when necessary.

Geometry

Credit: 1 **Type:** Core **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Algebra 1 or Algebra 1B **Offered:** Yearly

This course will cover vocabulary terms, properties, theorems, corollaries and postulates that will allow them to work with lines, angles, triangles, quadrilaterals and circles. After working with concepts involving plane geometry, students will learn how to work with various topics involving solid geometry.

NOTE: This course may be taken concurrently with Algebra II Honors or Algebra II.

Geometry Honors

Credit: 1 **Type:** Accelerated **Grade(s):** 9, 10 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): Algebra 1 with a minimum of 93%. Recommendation from the Algebra I teacher.
Offered: Yearly

This course will proceed through the Geometry curriculum at an accelerated pace. Extra attention will be given to reasoning and logic with an emphasis on proofs. We will also place an added emphasis on the topics of coordinate geometry, trigonometry, quadrilaterals and circles.

NOTE: This course may be taken concurrently with either Algebra II Honors or Algebra II.

Algebra II

Credit: 1 **Type:** Core **Grade(s):** 9, 10, 11 **Duration:** Year **Weighting:** 1
Prerequisite(s): Algebra 1. Recommendation of current math teacher. **Offered:** Yearly

This course will begin with a review of material covered in Algebra I. Students will then use their knowledge of linear functions to develop a deeper understanding of functions and the vocabulary associated with functions. A large portion of the content will include quadratic functions and their related equations and inequalities. Time will also be spent working with polynomial, radical, and rational functions and equations.

Note: This course can be taken concurrently with Geometry or Geometry Honors.

Algebra IIA

Credit: 1 **Type:** Core **Grade(s):** 10,11 **Duration:** Year **Weighting:** 1
Prerequisite(s): Algebra I, Recommendation from current math teacher **Offered:** Yearly

This course will begin with a review of material covered in Algebra I. Students will then use their knowledge of linear functions to develop a deeper understanding of functions and the vocabulary associated with functions. A large portion of the content will include quadratic functions and their related equations and inequalities. As time permits, we will also work with basic concepts involving polynomial, radical, and rational functions and equations.

Algebra II Honors

Credit: 1 **Type:** Accelerated **Grade(s):** 9, 10 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): Algebra I with a minimum of 93% and a recommendation from the Algebra I teacher.
Offered: Yearly

This course will proceed through the Algebra II curriculum at an accelerated pace. Following a brief review of Algebra I, we will focus on the systems of equations (in two and three variables) and inequalities. We will extend this topic to include using matrices to solve systems of equations and linear programming applications. We will also learn to simplify polynomial, radical equations and inequalities.

NOTE: This course may be taken concurrently with Geometry/Geometry Honors.

College Algebra

Credit: 1 **Type:** Core **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Algebra II **Offered:** Yearly

This course is designed for the student who needs to strengthen the algebraic, geometric, and trigonometric skills necessary for calculus. Topics include a detailed study of graphs, functions (including polynomial, rational, and trigonometric functions), analytic trigonometry, systems of equations and inequalities, vectors, and limits.

Pre-Calculus

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): College Algebra and Teacher Recommendation **Offered:** Yearly

This course is designed for the student who needs to strengthen the algebraic, geometric, and trigonometric skills necessary for calculus. Topics include a detailed study of graphs, functions (including polynomial, rational, and trigonometric functions), analytic trigonometry, systems of equations and inequalities, and limits. As time permits, we will explore topics including sequences, series, statistics, and probability.

Personal Finance

Credit: 1 **Type:** Core **Grade(s):** 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed to develop competency in mathematics for consumer and business use. The student develops fundamental principles through a study of simple problems faced by individuals in their daily lives. The student will deal with personal money matters, banking, buying personal and household needs, and personal finance. The student will also plan future investments in savings, homes, and businesses. **This course does not meet NCAA eligibility standards as a college preparatory math course.**

Calculus

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Pre-Calculus minimum of 85% or with recommendation of their teacher.
Offered: Yearly

This course will cover the concept of limits and continuity which will lead into the topic of differentiation and its applications. Students will also learn about integration and its applications.

Science – Core

General Science

Credit: 1 **Type:** Core **Grade(s):** 9 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed to teach the fundamental scientific concepts in the areas of Physical and Life Sciences (Chemistry, Physics, and Ecology). This is considered a foundational course for Biology and may be a prerequisite for Biology. The successful completion of this course will contribute to success on the Pennsylvania Keystone Exam for Biology.

Biology

Credit: 1 **Type:** Core **Grade(s):** 9, 10 **Duration:** Year **Weighting:** 1
Prerequisite(s): To take in 9th grade – An average of 93% in 6th, 7th, and 8th grade with teacher recommendation & 90% attendance **Offered:** Yearly

This is a basic course designed for the academic student and to prepare students for the Keystone Biology exam. Basic biological concepts are discussed with an emphasis placed on the cellular structure, bio-chemistry, classification, diversity of organisms, and the interactions that exist between organisms and their ecosystems. Students taking this class will be required to take part in a variety of different laboratory experiments, writing assignments, and projects.

This is a required course for graduation.

NOTE: This course may be taken concurrently with General Science

Chemistry I

Credit: 1.2; 1 for HCCTC students **Type:** Accelerated **Grade(s):** 10, 11, 12 **Duration:** Year
Weighting: 1.05
Prerequisite(s): Must have a 88% or higher in Biology or previous science and Algebra I with teacher recommendation with 90% attendance. **Offered:** Yearly

This course teaches the student about the composition of matter. The student will learn how to represent elements by symbols, compounds with formulas, and chemical reactions using equations. The student should learn to write and balance equations as well as how to make calculations of the amounts of substance used or produced. The course will mostly involve inorganic substances. The course includes one laboratory period per week

Chemistry II

Credit: 1.2; 1 for HCCTC students **Type:** Accelerated **Grade(s):** 10, 11, 12 **Duration:** Year
Weighting: 1.1
Prerequisite(s): Must have a 90% or higher in Chemistry I and Algebra II with teacher recommendation. **Offered:** Yearly

This course will continue where Chemistry I ended. It will be on a higher level in terms of self-learning and analytical calculations. Many of the same topics from Chemistry I will be covered with an attempt to gain a deeper insight and understanding. The course includes one laboratory period per week.

*****This course is part of a dual enrollment program with Mount Aloysius. This program allows students to earn 4 college credits if overall GPA and class grades are above the necessary average. See instructor for more details.**

Applied Science

Credit: 1 **Type:** Core **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed to teach fundamental scientific principles related to Chemistry and Physics. This course is intended for those going to a 2 year trade school which does not require Chemistry or Physics.

Physics

Credit: 1.2 **Type:** Accelerated **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): Must have a 93% or higher in previous science and Geometry with teacher recommendation. **Offered:** Yearly

This course will consist of the study of energy and motion. Topics include solving vector problems, Newtonian mechanics of motion (including rotational motion), work, energy, power, light waves, sound waves, and introductory simple circuits. The course includes one laboratory period per week.

AP Environmental Science

Credit: 1.2 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Algebra 1, General Science, Biology, and Chemistry 1 with a 93% or better. All students must receive permission from instructor before enrolling in this course. **Offered:** Yearly

The Advanced Placement Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. Students will look at their immediate surroundings as well as those around the globe. Students choosing to take the AP Environmental Science course have the opportunity to take the College Board AP Environmental Science Exam for possible college credit in May of the year they take the course.

**** Dual-enrollment course with Penn Highlands.**

Advanced Biology

Credit: 1.2 **Type:** Accelerated **Grade(s):** 12 **Duration:** Year **Weighting:** 1.1
Prerequisite(s): Biology, Chemistry I, Chemistry II, and Physics with a 93% or better. All students must receive permission from the instructor before enrolling in this course. **Offered:** Yearly

This course is designed for college-bound students majoring in one of the sciences. The course is organized around core scientific principles governing living organisms and biological systems. Students will focus on the biochemistry behind and the processes that occur within cells to regulate energy transformation and applications, as well as the interactions that occur between biological systems such as those which surround our own Aughwick Creek and Raystown Lake. This course is taught as a college course would be, in breadth and depth, where pacing of content is accelerated. An online course platform, "Mastering Biology", will be used. Outside reading and preparation is expected, while lab reports will require the student to develop lines of evidence, refine testable explanations, make predictions of natural phenomena, and support data using common statistical measures. Exams will consist of essays, short answers, and/or multiple choice questions.

*** This course is part of the dual enrollment program with Mount Aloysius College. This program allows students to earn 4 college credits, if the student's overall GPA and class grades are above the necessary average. See instructor for more details.

Anatomy and Physiology

Credit: 1 **Type:** Elective **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Biology, Chemistry I, & Chemistry II **Offered:** Yearly

This course will involve students in a comprehensive study of the structure and function of the human body. Special attention will be given to the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, immune, respiratory, digestive, lymphatic, urinary and reproductive systems. It will provide a firm foundation for further study in the medical field at the post-secondary level. Dissections will be a part of the laboratory experience, allowing students to observe how structural organization that exists within organisms determines their function. Exams and lab practicals will be the basis of the grading system in this class.

Science - Electives

Laboratory Technician

Credit: 1 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Completion of General Science and/or Biology. Teacher Permission Required.
Offered: Yearly

This course requires the student to prepare, set-up, tear down, and clean up materials used in labs and demonstrations in the science classroom. The student may have other laboratory tasks they will need to safely perform independently. These tasks may include such things as helping to maintain clean and safe facilities, organizing materials and supplies, and performing clerical duties. Relevant coursework as well as knowledge of lab equipment and procedures may be required as well as the ability to understand and follow directions and communicate effectively.

Health and PE - Health

Health I

Credit: 0.5 **Type:** Core **Grade(s):** 9, 10, 11, 12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): None **Offered:** Every Semester

This course helps students examine their lifestyles, select goals, and make plans to achieve and maintain optimum health. This involves choosing behaviors that help prevent illness and accidents, promote health for oneself and others, or improve the quality of the environment. Students learn to differentiate between healthful or wellness behaviors and harmful or risk behaviors in areas of nutrition and consumer issues, physical fitness, drugs, and diseases and disorders. They will also become aware of the consequences of behaviors on the body as various systems, structure, and function are discussed. Health is an influential program that promotes responsible decision making and provides students with life management skills that could last a life time.

Health II

Credit: 0.5 **Type:** Core **Grade(s):** 10, 11, 12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): Health I **Offered:** Every Semester

This course involves choosing behaviors that help prevent illness and accidents, promote health for oneself and others, or improve the quality of the environment. Students learn to differentiate between healthful or wellness behaviors and harmful or risk behaviors in areas of mental health, drugs, diseases and disorders, safety and first aid, and family and social health. Health is an influential program that promotes responsible decision making and provides students with life management skills that could last a lifetime.

Health and PE- Physical Education

Physical Education

Credit: 0.5 **Type:** Core **Grade(s):** 9, 10, 11, 12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): None **Offered:** Every Semester

This course will provide students with an opportunity to learn lifetime sports and to gain knowledge and fundamental skills in individual and team sports. They will also develop positive physical fitness behaviors, good social attitudes, and add a wholesome spirit of competition while promoting teamwork & cooperation.
Note: Students may elect to take a full-year rather than a single semester.

Strength & Conditioning

Credit: 0.5 **Type:** Core **Grade(s):** 11, 12 *10 **Duration:** Semester **Weighting:** 1
Prerequisite(s): Teacher Approval **Offered:** Yearly

This class will be open to juniors and seniors that are looking to improve the development of their athletic endeavors. This will be achieved through the combination of classroom theory and practices in the weight room and gym. The class will begin with the basic instruction of exercise and will continue to progress until we achieve sport specific exercise for each student in an activity of their choosing

***10th grade students may be able to take this course on a case-by-case basis.**

Student behavior, participation, and maturity displayed in previous PE courses will be considered by instructors in determining appropriate students.

Sports, Exercise Science, and Kinesiology

Credit: 0.5 **Type:** Elective **Grade(s):**10, 11, 12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): Health I and Health II **Offered:** Yearly

This course is designed to look at the components of exercise which include nutrition, strength training, movements involved with sports, and taping and treatment of sports injuries. It will count as .5 credits toward the 1.5 credit PE requirement.

Business

Accounting I

Credit: 1 **Type:** Accelerated **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed to give beginning vocational preparation for careers in accounting and related fields or a foundation on which to continue studying business and accounting at the post-secondary level. This course gives an understanding of the fundamentals of accounting concepts and principals by exposing students to the entire accounting cycle for a variety of business situations in a service and merchandising business. Students who take this course can potentially earn 3 college credits from Pennsylvania Highlands Community College. See the instructor for more details.

NOTE: This course can be taken to satisfy a math credit, but **cannot replace Algebra I**.

This course does not meet NCAA eligibility standards as a college preparatory math course.

Accounting II

Credit: 1 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Accounting I **Offered:** Yearly (varies based on need)

This course is designed to broaden and improve the students' knowledge of business and accounting procedures. An understanding of accounting concepts and practices are related to an accounting system for a merchandising business organized by a corporation.

NOTE: This course can be taken to satisfy a math credit, but **cannot replace Algebra I**.

This course does not meet NCAA eligibility standards as a college preparatory math course.

Computer Applications(PHCC)

Credit: 1 **Type:** Accelerated **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.05
Prerequisite(s): None **Offered:** Yearly

This course is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about computer hardware, software and operating systems. Students work with an integrated office software: Microsoft Office. Students will learn intermediate Word Processing (Word), Presentation (PowerPoint), and Spreadsheet (Excel) skills. Students learn the basics of Database Management Systems (Access) as well as Personal Information Management software (Outlook).

****PENN HIGHLANDS CIT 100

Microsoft Excel

Credit:0.5 **Type:** Elective **Grade(s):**9,10,11,12 **Duration:** Semester **Weighting:** 1
Prerequisites(s): None

This semester course will focus on an introduction of the Microsoft Excel spreadsheet software program. Students will learn how to enter data into a spreadsheet and then how that data can be formatted, organized and sorted. Formulas will be used to perform calculations and the steps taken to create simple graphs (pie, line, bar, etc.) from the data will be introduced as well. Through this semester course, students will learn how spreadsheets can be beneficial in helping them perform a variety of daily life tasks.

Microsoft Word

Credit:0.5 **Type:** Elective **Grade(s):**9,10,11,12 **Duration:** Semester **Weighting:** 1
Prerequisites(s): None

This semester course will focus on introducing the widely used word processing software known as Microsoft Word. Word processing is a vital communication tool and is a critically important computer skill for students to learn. Students will be introduced to the skills that will help them format and manipulate text to create professional looking documents that can be used at school, home and in their future workplace.

Entrepreneurship

Credit:1 **Type:** Elective **Grade(s):** 9, 10, 11,12 **Duration:** Year **Weighting:** 1
Prerequisites(s): None **Offered:** Yearly

Through this course students will learn about entrepreneurship and being an entrepreneur. They will learn the steps to writing a business plan for an original business idea/concept of their own choosing. In addition to learning about target markets and competitive advantages, they will create their own logo and slogan and develop income and expense projections for their business. Through this course they will also create a resume, cover letter and gain valuable insight into the job interview process.

Public Speaking

Credit: 0.5 **Type:** Elective **Grade(s):**10,11,12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed for students new to public speaking and oral communications. It aims to equip students with the skills and knowledge to deliver effective and engaging speeches, covering everything from speech preparation and organization of delivery techniques and audience engagement. This course is designed to promote and build confidence in speakers. By providing opportunities to present speeches in a smaller, controlled setting, the class will encourage familiarity with speaking in front of others through practice in an encouraging, non-threatening atmosphere.

Business Exploration

Credit: 0.5 **Type:** Elective **Grade(s):** 10,11,12 **Duration:** Semester **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This is an exploratory course that provides an overview of different business disciplines and career paths, helping students decide if they want to pursue a business major and which area within business interests them most. Students will gain exposure to various business disciplines such as business law, marketing and management. Focus will also be placed on career development skills, such as resume writing, interviewing, and networking, to help students prepare for future job searches.

Graphic Design

Credit: 1 **Type:** Elective **Grade(s):** 9,10,11,12 **Duration:** Yearly **Weighting:** 1
Prerequisite(s): Intro to Graphic Design **Offered:** Yearly

Building on the skills from the introductory Graphic Design course (or with instructor approval), this course helps students further develop their design expertise. Students will focus on assembling a professional portfolio for local and regional shows, as well as contributing to design publications.

Humanities – Foreign Languages

Spanish I

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisite(s): None **Offered:** Yearly

This course is designed as an introduction to Spanish for those who have no previous knowledge of the language. The objective is to promote proficiency in basic Spanish listening, speaking, reading, and writing skills. This course will concentrate on building an extensive vocabulary base throughout the year and basic aspects of grammar. At the completion of this course students will be able to read, write, and pronounce 600-800 Spanish vocabulary words. They will also be able to use and recognize the simple present tense, and understand simple sentences in Spanish. This course also builds a basic understanding of Spanish culture and the nations that speak Spanish. Spanish 1 credit can be counted as one humanity credit or one elective credit.

Spanish II

Credit: 1 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisite(s): Spanish I **Offered:** Yearly

This course is designed to build off of the Spanish skills students acquired in Spanish 1. In this course students will expand their Spanish vocabulary and practice “real world” applications of their Spanish knowledge. Students will practice listening, reading, writing, and speaking to build a more fluid proficiency with the language. The objective of this class is for students to achieve a low intermediate level of Spanish proficiency. This course will review simple present tense, articles, and nouns, as well as, introduce new elements: the past tense, adjectives, and more advanced sentence structures. By the end of this course students will have built a 1100-1300 Spanish vocabulary base and be able to hold simple conversations with a Spanish speaker. The Spanish 2 credit can be counted as one humanity credit or one elective credit.

Spanish III

Credit: 1 **Type:** Elective **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1.05

Prerequisite(s): Spanish II, Teacher recommendation, and a grade of a 90% or better in Spanish II

Offered: Yearly

This course is designed to build off of the basic skills acquired in the first two levels of the Spanish curriculum. In this course students will advance their basic skills toward intermediate proficiency in the language. Students will practice “real world” applications of their Spanish skills to develop more fluid proficiency. The objective of this class is for students to achieve an intermediate level of proficiency in speaking, writing, reading, and listening. Throughout the year this course will review the past perfect tense, directions, free time, descriptive adjectives, as well as, introduce new elements: commands, preterit and imperfect past, and a foundation of 1500 vocabulary words. The Spanish 3 credit can be counted as one humanity credit or one elective credit.

Spanish IV

Credit: 1 **Type:** Elective **Grade(s):** 12 **Duration:** Year **Weighting:** 1.1

Prerequisite(s): Spanish III, Teacher recommendation, and a grade of an 85% or better in Spanish III.

Offered: Yearly

This course is a continuation of the previous courses and prepares students for advanced study in Spanish and/or for use in professions. A fourth-year student should have a vocabulary of approximately 1800 words

and be able to communicate in Spanish at a level that would be understandable by a Spanish native. This course counts as a Humanities or an elective credit.

Humanities – Visual & Performing Arts (Music)

High School Band

Credit: *	Type: Humanity	Grade(s): 9, 10, 11, 12	Duration: Year	Weighting: 1
Prerequisite(s): Completion of 6 th , 7 th , and 8 th grade band				Offered: Yearly

High School Band is encouraged for students who have been accepted through prior experience in the band program, previous experience with a musical instrument or through audition/agreement with the band director. Rehearsals consist of instrumental technique in scales, rhythm, articulation, and a variety of styles of music. The band rehearses every day to continue the development of the musical skills that will enable them to perform more challenging and rewarding music. Performance opportunities include a winter and spring concert, Memorial Day ceremonies, and graduation. There are additional opportunities available for interested students to audition and participate in county, district, region, and all-state honor bands. Grading is based on musical knowledge and participation in all rehearsals and performances.

High School Chorus

Credit: *	Type: Humanity	Grade(s): 9, 10, 11, 12	Duration: Year	Weighting: 1
Prerequisite(s): None			Offered: Yearly	

High School Chorus is offered to all high school students who are interested in and enjoy singing. Students must audition for chorus. Auditions are held in the late spring for all 8th grade chorus members who wish to continue in high school chorus. High school students may also audition for chorus. Rehearsals encourage proper vocal techniques through warm up exercises and a variety of styles of music. Performances opportunities include concerts, musical, PMEA festivals and sporting events.

***Credit Note:** Credits received depends on the number of days per cycle.

Guitar I

Credit: 1	Type: Humanity	Grade(s): 9, 10, 11, 12	Duration: Year	Weighting: 1
Prerequisite(s): None			Offered: Yearly	

Guitar classes are primarily for the beginning guitar student. While students with some guitar background may enroll in the class, they will be required to pass the proficiencies with the beginners. The class teaches basic guitar playing and the theory necessary for note and chord playing. The text used is the Essential Elements for Guitar, book 1, by Will Schmidt and Bob Morris. Class content includes: Parts and working knowledge of the instrument. Basic chords-C, G7, G, D, D7, Em, A7, A; Single note playing on all string; Basic and syncopated strumming patterns; Basic note values and pitch names in treble clef.

Guitar II

Credit: 1	Type: Humanity	Grade(s): 10, 11, 12	Duration: Year	Weighting: 1
Prerequisite(s): Guitar I			Offered: TBD	

This course is for students who have already taken Guitar I or have taken lessons. Students should know a wide range of chords and melody notes on the guitar before they are accepted into the class. Essential Elements Book 2 will be used along with other supplemental materials such as YouTube tutorials and handouts.

Music Theory

Credit: 1 **Type:** Humanity **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is designed for the serious music student who desires to get a more in-depth look at the fundamentals of music. Topics that will be explored include; musical notation, repeat signs and endings, dynamics, tempo, articulation, flats, sharps, naturals, major and minor scales, modes, key signatures, chromatic scales, intervals, solfege, transposition, rhythm, meter, chords, figured bass, chord progressions, harmonizing melodies, basic forms of music and more. A portion of this course will be dedicated to the training of the ear to hear and recognize high and low sounds, melody, articulation, dynamics, intervals, and chords. The ear training will also prepare the student to dictate rhythmic and melodic patterns.

Piano/Keyboarding

Credit: 1 **Type:** Humanity **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This course is for the beginning pianist. No prior piano is required but a foundation of notes & rhythms is recommended. Students will be using electronic keyboards with headsets to practice along and have connectivity to each other and the instructor. We are using the Alfred Series of Piano 101 & Technology. Students will learn notes & rhythm playing, scales and songs with both right and left hand, chord accompaniment & theory.

Vocal Techniques

Credit: 1 **Type:** Humanity **Grade(s):** 9*, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Completion of year of Chorus; Teacher recommendation **Offered:** Yearly

Vocal Techniques is offered to any student who has been enrolled in High School Chorus for at least one year. Students entering ninth grade are eligible to enroll in this course if granted prior approval by the course instructor. This course will teach students how to sing in various styles as a soloist. Some of the styles covered are German Art Songs, Italian Arias, Jazz Solos, Musical Theater, and American Folk Tunes. Students in this course will perform musical selections in class for their peers and will have opportunities to perform at concerts and public events.

Intro to Theatre

Credit: 1 **Type:** Humanity **Grade(s):** 9,10,11,12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

This class is a complete study of theater from its ancient origins to the modern day. Emphasis is placed on important production, writers, and trends of each major historical era. Cornerstone assignments opportunities include small improv scene sequences, reading of major works, and group projects to chronologically organize trends of theater.

Humanities – Visual & Performing Arts (Art)

IMPORTANT NOTE: All art classes require students to display their work in school showcases or other areas as deemed appropriate by the art instructor.

Fine Arts I

Credit: 1 **Type:** Humanity **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): None **Offered:** Yearly

“I can’t even draw a stick person!” Does that sound familiar? Is that you? By the time this course is over you will have mastered your stick person and followed it up with a caricature. This course includes drawing, painting, sculpture, color theory and a hint of ceramics. Bring your pencil and your positive attitude and you are sure to gain confidence, character and a great understanding of the basics. All are welcome! All are artists!

Fine Arts II, III, IV

Credit: 1 **Type:** Humanity **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Fine Arts I **Offered:** Yearly

You’ve learned the basics. Now it’s time to build- we will take our foundation from *Fine Arts I* and dig a little deeper, allow a little more freedom and many more opportunities to be brave and try something new. Continuing drawing, painting and sculpture lessons, we will add studies, which is nothing like studying for a test. Studies give you a chance to explore ideas, techniques, or elements for a larger, more complex piece. Practice, practice practice, until you reach perfect. Actually, perfectionism is overrated. Instead of perfectionism, we will be striving for satisfaction. An artist reaches satisfaction when they’ve completed a piece that makes them smile.

Ceramics I, II, III, IV

Credit: 1 **Type:** Humanity **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Fine Arts I **Offered:** Yearly

If you are hesitant to draw or paint, working with your hands may be just up your alley, or in our case, valley. You will have the opportunity to develop a basic knowledge of ceramics and hand building such as slab construction, pinch pots and coil building. These projects will lay the foundation for us to build upon using our imagination and creative self- expression. Caring for clay and your projects as well as clean-up will be essential for smooth success.

Art Studio Worker/Independent Study

Credit: 1 **Type:** Humanity **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Art I and II Juniors, Seniors **Offered:** Yearly

You have laid a solid foundation and have even surprised yourself with what you have accomplished in such a short time. You see a style emerging- you are finding your voice. Now you are excited to add to your skill through self-exploration, experimentation, imagination and intuition. I learn best through trial and error. How do you learn best? You are the one to decide your destiny, as you will be making the decisions- I am simply there to share my knowledge, guide, cheer-on and empower. To begin each project, we will have a one-on-one meeting where you will chart your course, sharing your plans. Then it’s time to get to work. Your growth depends on your mindset- if you keep a positive attitude, you will propel your work forward. Just remember, messes lead to successes. *If you are considering a career in art or thinking about going to college to study art, you will have the time to create and develop

your art portfolio, which will be an important part of your future application process.

Family & Consumer Sciences -Electives

ECE 110 Child Development (PHCC)

Credit: 1 **Type:** Accelerated **Grade(s):** 10, 11, 12, 9** **Duration:** Year **Weighting:** 1.05
Prerequisite(s): None **Offered:** Yearly

This course focuses on child development from conception to age nine with an emphasis on the infant/preschool child through middle childhood. The course studies the physical, cognitive, and personality-social aspects of development, both through normal and atypical circumstances. Small group projects, investigation, and discussion of issues related to scientific principles of development are examined. The National Association for the Education of Young Children (NAEYC) standards, the Pennsylvania Early Learning standards (ELS), and the Council for Exceptional Children standards (CEC) are stressed throughout the course. This course will also address current research found in the developmental periods ranging from adolescence to emerging adulthood. Students are required to act in a professional manner during classroom discussions.

****NOTE: 9th grade only with instructor permission.**

Elementary Internship I

Credit: * **Type:** Elective **Grade(s):** 11, 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Child Development **Offered:** Yearly

This course is designed to have a junior or senior intern work in an elementary setting. The student will be responsible for assisting the teacher and completing several tasks, such as making bulletin boards, developing lessons, and implementing lessons. This course is designed for students who are interested in going into the education field.

Signing up for this course does not guarantee an assigned position. This is at the discretion of the Elementary and High School Internship Supervisor. The student will be responsible for reporting back to the Elementary Internship Supervisor.

***Credit Note:** Credit will vary based upon several factors including availability of assignments and time available in the enrolled students' schedules.

Elementary Internship II

Credit: * **Type:** Elective **Grade(s):** 12 **Duration:** Year **Weighting:** 1
Prerequisite(s): Child Development; Elementary Internship I **Offered:** Yearly

This course is designed to have a senior intern work in an elementary setting. The student will be responsible for assisting the teacher and completing several tasks, such as making bulletin boards, developing lessons, and implementing lessons. This course is designed for students who are interested in going into the education field.

Signing up for this course does not guarantee an assigned position. This is at the discretion of the Elementary and High School Internship Supervisor. The student will be responsible for reporting back to the Elementary Internship Supervisor. A student completing this course should strive to work with a different grade level than in the previous year.

***Credit Note: Credit will vary based upon several factors including availability of assignments and time available in the enrolled students' schedules.**

Agricultural Education

Small Animal Science

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: None

Offered: Yearly

Description:

The Small Animal Science (SAS) course provided learning experiences in animal handling and safety as well as allow students to apply scientific knowledge and processes to the development and preservation of animals in production settings. Students critically analyze information to evaluate and draw conclusions on the appropriate use of animal husbandry and management practices towards the small animal systems setting. Students develop personal viewpoints on societal issues concerning the development and preservation of animals, their systems, and common practices.

Topics:

- Animal Identification & Handling
- Biosecurity
- Domestic Animals
- Rabbits & Guineas
- Poultry

Large Animal Science

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: None

Offered: Yearly

The Large Animal Science (LAS) course provided learning experiences in animal handling and safety as well as allow students to apply scientific knowledge and processes to the development and preservation of animals in production settings. Students critically analyze information to evaluate and draw conclusions on the appropriate use of animal husbandry and management practices in the large animal systems setting. Students develop personal viewpoints on societal issues concerning the development and preservation of animals, their systems, and common practices.

Topics:

- Goats & Products
- Sheep & Wool
- Horsepower
- Cattle
- Reproduction

Food Science

Credit: 1 **Type:** Elective **Grades:** 9-12th **Duration:** Year **Weighting:** 1

Prerequisite(s): None **Offered:** Yearly

The Food Science (FSC) course provided learning experiences in food science and safety, which allows students to apply scientific knowledge and processes to the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology in food science and safety practices. Units of instruction include; principles of food preservation, food processing, biochemistry, food selection, and consumer health. Students develop personal viewpoints on societal issues concerning the development and preservation of food products and make career plans in the food industry.

Topics:

- Etiquette
- Principles of Food
- Food Preservation
- Food Industry

Plant and Soil Science

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: None **Offered:** Yearly

This course is designed for students who want to learn about the science of plants and soils. . The course utilizes a combination of hands-on activities and formal instruction to explore to educate students in the areas of plant anatomy and structure, plant physiology, horticulture, floriculture, gardening, landscaping, hydroponics, GMOs, IPM, Soil Profiles and textures, soil capabilities, and soil conservation. **Topics covered in this course include: Anatomy of Plants, Scientific Classification, Fundamental Plant Processes, Genetics, Nutrition, Soils Formations and Evaluation, Fertilizers, Soil Types, Soil Conservation, Plant Propagation, Fruit and Nut Production, Vegetable Production, Crop Production, Plant Pest and Diseases, Pesticide Safety, Soil Testing Surveys, Irrigation, and Hydroponics.**

Veterinary Science I

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: None **Offered:** Yearly

This course explores small animals such as cats and dogs as well as treatment of larger animals. . The course utilizes a combination of hands-on activities and formal instruction to explore to cover topics such as Safety and Sanitation, Anatomy and Physiology, Care and Management of Species, Issues in the Animal Industry, Animals Uses in Society, Parasitology, Pharmacology, Microbiology, Biosecurity, Office Management, Hospital Procedures and Physical Exams. The class focuses on biological and social sciences in the field of veterinary animal medicine. The course will prepare students for careers as veterinary assistants, or to further education in veterinary/animal science, biology, or other science related fields. **Topics covered include: Personal Safety and Handling, Animals Roles in Society, Issues in the Animal Industry, Veterinary Terminology, Care and Management of Species, Microbiology, Biosecurity, Pharmacology, Physical Exams, Hospital Procedures, Office Management, and Laws and Ethics, Interconnected of Body Systems, Integumentary Systems, Skeletal System, Muscular System, Nervous Systems, Cardiovascular System,**

Respiratory System, Digestive System, Urinary System, Reproduction and Genetics, Endocrine System, and Immune System.

Wildlife, Environmental, & Natural Resources

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: None **Offered:** Yearly

Wildlife, Forestry, & Natural Resources (NRE) is a foundation-level CASE course providing students with various experiences in natural resources and ecology. Students will explore hands-on projects and activities while studying the natural world, including biomes, land, air, water, energy, use, and care, as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course. It is evermore imperative that the average everyday citizen is aware of the commonality of using the land around us while also managing to maintain the healthy wildlife populations

Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem and be able to apply the same principles to the area they live in.

Topics:

- Habitat Management
- Water Works
- Lighter Than Air
- Earth's Energy
- Trapping & Fur Bearing
- Flora & Fauna
- Forestry

Power, Structural, and Technical Systems

Credit: 1 **Type:** Elective **Grade(s):** 9,10,11,12 **Duration:** Year **Weighting:** 1

Prerequisites: None. **Offered:** Yearly

This course is a combination of Ag Mechanics and Materials Processing Topics covered include: safety in the workplace, measurement and mathematics, electricity/electrical engineering, energy, drafting and sketching, welding, plumbing, building construction, hydraulics, and small gas engines.

Horticulture

Credit: 1 **Type:** Elective **Grade(s):** 9,10,11,12 **Duration:** Year **Weighting:** 1

Prerequisites: None **Offered:** Yearly

Horticulture is designed to develop students' ability to identify and demonstrate the principles and techniques related to floral design and landscaping as well as develop an understanding of the management of horticultural enterprises. Through the analysis of artistic floral styles and historical periods, students will develop respect for the traditions and contributions of diverse cultures. Students will create and analyze floral designs, thus contributing to the development

of lifelong skills of making informed judgments and evaluations. Students will develop plans for landscaping, complete with plant identification, hardscaping requirements, and measurement. This course will allow students to investigate where art meets science in agriculture.

Independent Supervised Agricultural Experience (SAE)

Credit: 1 **Type:** Elective **Grade(s):** 9, 10, 11, 12 **Duration:** Year **Weighting:** 1

Prerequisites: * **Offered:** Yearly

This course can be taken completely independently or can be scheduled into the student's schedule. Students should choose an agriculturally related project or projects to conduct as their SAE. While they will carry the project out on their own, they will be supervised by the Ag Education Teacher and their records will be graded at least once per marking period. Students will learn skills specific to their project and career goals, but all students will gain experience in record keeping, responsibility and accountability while exploring their career interests. This course is highly suggested to students who plan to receive awards in the FFA since an SAE is a requirement for many of those awards. Students should see that Agricultural Teacher to discuss plans for starting their SAE.

***Students must be enrolled at HCCTC or in another AG course to participate in SAE.**

Career & Technical Education (HCCTC)

12 courses of study are offered to students beginning in grade 10 at the Huntingdon County Career and Technology Center. Students who choose this career path will attend SHC for half day and then attend the Huntingdon County Career and Technology Center the remainder of the day. Students will become knowledgeable about what is offered when they take a tour of the HCCTC in their 9th grade year. Participation in these programs represents a commitment on the part of the student to complete the expected 3 years of HCCTC coursework through graduation from HCCTC and SHCSD. Any student who withdraws from the program will be required to complete the full-day student graduation requirements prior to receiving a diploma.

Automotive Mechanics

Credit: 3.0	Type: Elective	Grade(s): 10, 11, 12	Duration: Year	Weighting: 1
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This is an instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks.

This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems, drive trains and suspension systems.

Instruction is also given in the adjustment and repair of individual components and systems such as fuel system components and air conditioning, and includes the use of technical repair information and the procedures for state inspection.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Collision Repair

Credit: 3.0	Type: Elective	Grade(s): 10, 11, 12	Duration: Year	Weighting: 1
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This is an instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks.

Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools.

Students refinish surfaces by painting with primer and a finish coat.

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*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Construction Trades

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

The Construction Trades program is designed to prepare individuals to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, measuring, estimating, blueprint reading and finish carpentry techniques.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Cosmetology

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

This is an instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging.

Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Culinary Arts

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

This is an instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations.

Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions.

Instructional skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

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*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Electrical Occupations

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

This is an instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically energized residential, commercial and industrial systems, DC and AC motors, controls and electrical distribution panels.

Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations.

Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Health Occupations

Credit: 3.0	Type: Elective	Grade(s): 10, 11, 12	Duration: Year	Weighting: 1
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This is a program with a combination of subject matter and experiences designed to prepare individuals for entry level employment in a minimum of three related health occupations under the supervision of a licensed health care professional.

Instruction consists of core course content with clinical experiences in one or two health related occupations. The core curriculum consists of planned courses for introduction of health careers, basic anatomy and physiology, medical terminology, legal and ethical aspects of health care and communications, and at least three planned courses for the knowledge and skills for the occupational area such as medical assisting, ward clerk, nursing assisting, etc.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

HVAC-R

Credit: 3.0	Type: Elective	Grade(s): 10, 11, 12	Duration: Year	Weighting: 1
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This is an instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems.

Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric, electronic and pneumatic control systems.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Public Health and Safety

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

This is an instructional program that prepares individuals to apply technical knowledge and skills required to perform entry level duties as a police officer, fire fighter, paramedic and other safety services. This program stresses the techniques, methods and procedures peculiar to the areas of criminal justice and fire protection especially in emergency and disaster situations. Physical development and self-confidence skills are emphasized due to the nature of the specific occupations.

In addition to the application of mathematics, communication, science and physics, students receive training in social and psychological skills, map reading, vehicle and equipment operations, the judicial system, pre-hospital emergency medical care and appropriate emergency assessment, treatment and communication.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Sports, Exercise, and Rehabilitation Therapy (SERT)

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

SERT is a program that prepares students to apply technical knowledge and skills in the medical field. The class helps prepare students to pursue degrees in Physical Therapy, Athletic Training and many other 2 & 4 year degree programs, as well as working directly in the medical field as an assistant. Areas of instruction include: Proper safety & health practices, prevention, evaluation & rehabilitation of injuries, identifying types of medical equipment, treatment measures for different kinds of injuries, taping & bracing techniques and proper documentation of rehabilitation.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Welding

Credit: 3.0 **Type:** Elective **Grade(s):** 10, 11, 12 **Duration:** Year **Weighting:** 1

This is a program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting, and plastic welding. Hand, semiautomatic, and automatic welding processes are also included in the instruction.

Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

*** All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.**

*** All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.**

Power Sports Technology

Credit: 3.0

Type: Elective

Grade(s): 10, 11, 12

Duration: Year

Weighting: 1

An instructional program that prepares individuals to apply technical knowledge and skills to repair, service, maintain and diagnose problems on a variety of small internal-combustion gasoline engines and related systems used on portable power equipment such as lawn and garden equipment, chain saws, outboard motors, rototillers, snowmobiles, lawn mowers, motorcycles, personal watercraft and pumps and generators. This program includes instruction in the principles of the internal-combustion engine and all systems related to the powered unit. Instruction also includes the use of technical and service manuals, state inspection code, care and use of tools and test equipment, engine tune-up/maintenance, engine overhaul, troubleshooting and diagnostic techniques, drive lines and propulsion systems, electrical and electronic systems, suspension and steering systems and service operations and parts management.

* All programs at the Huntingdon County Career and Technology Center provide students the opportunity to acquire some type of; Industry certification, certificate, industry credential or license.

* All HCCTC programs have articulation agreements with colleges. Students completing their program at the proficient level and passing the end of program testing can earn college credits.

English

See course
description for all
prerequisites

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English 9 or English 9 Honors	English 10 or English 10 Honors	English 11 or AP English	English 12 or AP English

****Honors and AP English classes require teacher recommendation!****

Movement between honors and general courses is determined by academic performance, teacher recommendation, and student preference.

History

9 th Grade	10 th Grade	11 th Grade	12 th Grade
American Government & Econ OR Advanced American Government	World History OR AP World History	U.S. History OR Psychology/Sociology OR AP Psychology OR PHCC History Offering	Social Studies Elective

** Psychology & Sociology, US History, and the Rotating AP/PHCC offering may be taken concurrently.

Mathematics (Sequence 1 of 3)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Geometry Honors Algebra II Honors	College Algebra	Pre-Calculus	Calculus

*To continue in the Honors track, student must maintain an average $\geq 85\%$ in the previous course.

Mathematics (Sequence 2 of 3)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Algebra I	Algebra II	Geometry	College Algebra

Mathematics (Sequence 3 of 3)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
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Algebra IA OR Algebra I	Algebra IB OR Algebra II	Algebra II OR Geometry	Personal Finance OR College Algebra
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Accounting courses may be taken for math credit, but **Cannot replace Algebra I, 1a or 1b. Additionally, they are standalone courses with no math prerequisites, nor are they involved in the greater math sequences. **Accounting courses do not meet NCAA eligibility standards as college preparatory math courses.**

Science (Sequence 1 of 3)

NOTE: Biology is required for graduation.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
General Science	Biology	Applied Science OR Chemistry I	

Science (Sequence 2 of 3)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
General Science	Biology	Applied Science OR Chemistry I	Chemistry II

Science (Sequence 3 of 3)

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Biology 9 Honors	Chemistry I	Chemistry II AND Physics	Advanced Biology AND Anatomy and Physiology