



**2023-24**

**COURSE CATALOG & CURRICULUM GUIDE**

**Conemaugh Valley Jr.-Sr. High School  
1342 William Penn Highway  
Johnstown, PA 15906**

**Home of the Blue Jays!**

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## Course Registration

Registration determines a student's high school educational experiences. Please read this guide carefully and select according to your 1) graduation requirements, 2) course needs, and 3) personal wants. Our goal at CVHS is to **make being a small school special for our students**. We become special when we diversify the opportunities within our curriculum. We try to maximize our staff potential to offer our students a chance to compete as we prepare them for life's next big step. We support students who choose to enter the work force, enlist in the military, or continue their education.

We encourage you to seek assistance with course registration at the time students are scheduling. You may contact the main office to set up an appointment with our school principal or school counselor by calling 814-535-5523. You may also email Mr. Miller at [jmiller@cvk12.org](mailto:jmiller@cvk12.org) or Ms. Hudson at [mhudson@cvk12.org](mailto:mhudson@cvk12.org).

## Scheduling Structure

**CVHS has an eight (8) period schedule.**

1. All students are required to schedule and carry at least six (6) one credit courses plus the required Physical Education/Health course in order to realize as much education as possible during their high school years.
2. ***\*New for 2023-24. The "5<sup>th</sup> Period" time slot for grades 9-12 will be called the "What I Need" (WIN) period. All students will be assigned a location. Athletic and academic extracurricular activities can utilize this time to meet and plan activities. As a result, the traditional lunch groupings may be impacted and may change on a regular basis.***
3. Students entering grades 9-12 will have a chance to select some of their courses during the spring of the current school year. Students failing to have their schedule requests submitted by the established deadline will forfeit the opportunity to choose classes.
4. Electives with fewer student requests will likely not be offered. Please keep this in mind when selecting alternative elective choices.

### **Schedule Changing/Withdrawing**

1. Students dropping an Honors course are not eligible for the Honors course of the same subject the following year. *Ex) Drop Honors English 8 = Not eligible for Honors English 9*
2. Errors in scheduling can be corrected at any time. *Ex) Scheduled in the wrong class.*
3. Note: schedules will only be changed for academic, not personal, reasons.
4. Important 2023-24 Dates

<b>Important Date</b>	<b>Item/Deadline</b>
Aug. 4, 2023	Last day to request a schedule change.
Aug. 11, 2023	Teachers' rosters are finalized.
Aug. 24 - Sept. 15, 2023	Add-Drop period - change must be supported by a teacher.
After Sept. 15, 2023	Course changes may be requested, but only on a quarterly basis, unless supported with legal documentation.

# Graduation & Credit Requirements

## 1. Local Requirements

- a. **Comprehensive Career Plan** – this includes
  1. Career Paper – to be completed in Junior Seminar
  2. Career Shadowing – outlined in Senior Seminar
  3. Career Presentation – outlined in Senior Seminar
  
- b. **25 credits**
  1. 4 – Mathematics
  2. 4 – English Language Arts
  3. 4 – Social Studies
  4. 4 – Science
  5. 2.4 – Health and PE
  6. At least 0.25 credit of Google Suite or related technology programming
  7. 0.25 – Introduction to Business & Careers (or related replacement)
  8. 0.4 – Senior Seminar
  9. Remainder in elective arts, humanities, etc.
    - a) *Students attending Admiral Peary Vocational Technical School may meet state minimum requirements in Science, Social Studies, and Health/PE, but must complete 4 Math and ELA credits.*
  
- c. All students must complete the Keystone Exams at least once in their career.

## 2. Satisfactory completion of one of the plans below from PDE

<b>Plan 1</b>	Proficient or Advanced on all Keystone Exams: Algebra I, Literature, Biology
<b>Plan 2</b>	Earning PDE satisfactory composite score on the Keystone Exams and: <ul style="list-style-type: none"> <li>• Scoring proficient on at least one Keystone Exam</li> <li>• No less than Basic on the remaining Keystone Exams</li> </ul>
<b>Plan 3</b>	Pass all courses associated with Keystone Exams and one of the following: <ul style="list-style-type: none"> <li>• Complete an alternative assessment (PSAT, SAT, ACT, ASVAB, etc.)</li> <li>• Satisfactorily complete advanced coursework (Dual Enrollment, etc.)</li> <li>• Complete a pre-apprenticeship</li> <li>• Earn acceptance in a 4-year nonprofit for college-level coursework</li> </ul>
<b>Plan 4</b>	Pass all courses associated with Keystone Exams and one of the following: <ul style="list-style-type: none"> <li>• Pass the NOCTI (CTC students)</li> <li>• Pass the NIMS assessment in an approved CTE concentration</li> </ul>
<b>Plan 5</b>	Pass all courses associated with Keystone Exams and demonstrate readiness for post-secondary engagement through three (3) pieces of evidence from your career portfolio. Examples include: <ul style="list-style-type: none"> <li>• ACT WorkKeys</li> <li>• SAT Subject Tests</li> <li>• AP and Dual Enrollment Coursework</li> <li>• Higher Education Acceptance</li> <li>• Community Learning Project (approved by administration)</li> <li>• Completion of an Internship, externship, co-op, or full-time employment</li> </ul>

**\*The flowchart on the next page shows the pathways to graduation in a different format. The school counselor manages the graduation plan for all students.**

# Pennsylvania Pathways to Graduation

## Keystone Proficiency Pathway Numeric or Non-Numeric Scores

**Algebra I**  
Proficient or Advanced

**Biology**  
Proficient or Advanced

**Literature**  
Proficient or Advanced

## Keystone Composite Pathway Numeric Scores Only

At least 1 Keystone Exam scaled score is **1500 or Greater**

No Keystone Exam score is **Below Basic**

The Keystone Exam 3-score composite is **4452 or Greater**  
The Keystone Exam 2-score composite is **2939 or Greater**  
*(where eligible under §121.1)*

### CTE Concentrator

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

**CTE Concentrator**  
1 Artifact from pathway criteria

### Alternative Assessment

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

**Alternative Assessment**  
1 Artifact from pathway criteria

### Evidence-Based Pathways

Meet locally established, grade-based requirements for Keystone content in which the student is less than Proficient

**Evidence-Based**  
3 Artifacts from pathway criteria

### Waiver

A student in 12th grade, or experiencing extenuating circumstances, who meets locally established grade-based requirements for Keystone content area(s) in which the student is less than proficient, and is unable to satisfy the requirements of a graduation pathway may be granted a waiver by the chief school administrator.

### Individualized Education Plan

A student with a disability who is unable to satisfy pathway requirements but who satisfactorily completes a special education program is granted a diploma under Title 22 §4.24.

**NOTE:** Although this infographic displays a sequential progression, students may fulfill criteria under the CTE Concentrator, Alternative Assessment, or Evidence-Based Pathways prior to demonstrating proficiency in Keystone academic content through Keystone Exam scores or locally established grade-based requirements. 1

## Grading Scale/Earning Credits

Students earn credits for courses when they have a passing grade at the end of the school year. To pass a course, students must have a final grade of 65% or better.

### **Current Grading Scale**

<i>Letter Grade</i>	=	<i>Percentage</i>
A	=	100-93
B	=	92-85
C	=	84-75
D	=	74-65
Failing	=	Below 65

### **Deficiency Contacts**

At the mid-point of a marking period, parents/guardians will be contacted by phone from a staff member for all students that have grades in the D-F range.

Note: The minimum grade for a quarter in any class is a 45%. The maximum grade is 100%.

### **Weighted Grading Scale**

For the purpose of recognizing the additional effort and achievement associated with completion of courses demanding more than the usual quantity or intensity of study, a weighting system will be applied to the final student grade point averages, for purposes of computing class rank. The grading scale will not be retroactive to any courses completed in prior years before this policy was adopted.

A cumulative weighted grade point average and class rank will be calculated at the end of each grade level beginning in ninth grade when credits begin to accumulate. The cumulative weighted grade point average is based on final grades and completed credits.

The following is a list of current Level II and Level III courses:

<b>Level 1: (not weighted)</b>	<b>Level II: Final% x 1.10</b>	<b>Level III: Final% x 1.15</b>
All courses not mentioned in the other columns.	Algebra III Honors English 9 Honors English 10 Honors English 11 Honors Biology I Spanish III Trigonometry	All On-campus College Courses All Dual Enrollment Courses Anatomy & Physiology Advanced Biology II College Calculus College Chemistry Honors American Government Honors English 12 Intro. to College Physics Public Speaking Spanish IV

## **College in High School Courses (Dual Enrollment)**

Partnerships exist between Conemaugh Valley High School and various local colleges to offer students the opportunity to earn college credit while enrolled in their high school courses.

All registration forms, fees, and **deadlines** are set by the college offering the course and made payable directly to the college. The credit will appear on an official college transcript that needs to be requested **DIRECTLY** from the college and can be sent to various colleges for transfer of credit. While many colleges will honor the credit earned through College in High School, we strongly recommend that students inquire at the college of their choice for clarification of how the credits may be applied to their intended major.

***CVSD has no jurisdiction over registration procedures, forms, fees, and deadlines set by the colleges or the transferring of credit to post-secondary institutions.***

### **Current College in High School Offerings**

<b>High School Course Name</b>	<b>College Partner</b>	<b>Credits</b>	<b>Equivalent</b>
Honors American Government	Pennsylvania Highlands CC	3	GOV100
College Chemistry	Mount Aloysius College	4	CH101
Advanced Biology II	St. Francis University	3	BIOL111
College Introductory Physics	Mount Aloysius College	4	SC103
Honors English 12	Pennsylvania Highlands CC	3	ENG110
Public Speaking	Pennsylvania Highlands CC	3	COM101
College Calculus	University of Pittsburgh	4	MATH220

### **School-to-Work Program**

The School-to-Work Program is designed to give seniors an opportunity to balance studies with having a job. This NO CREDIT opportunity permits students to work more hours during the week if they qualify as a motivator to keep focused on behaviors, attendance, and grades. Seniors may bypass elective courses if they qualify by:

- having enough credits to graduate by only passing their core requirements.
- holding a job where they average 15 hours or more of work per week.
- maintain passing grades in their core classes.
- providing their own transportation (if leaving school early).

Interested incoming seniors should make an appointment with the school counselor to get the application and all other relevant details.

### **Penn Highlands Cooperative Agreement**

In some cases, CVHS administration may permit students to take classes on campus at Penn Highlands College in either Johnstown or Ebensburg.

- Students are responsible for their own transportation to and from CV/PH
- The courses may replace core content and/or electives at CV
- Any course taken will be given level III credit and worth 3 credits at CV
- Students and families are responsible for the full cost of the courses.

## Promotion & Failure Procedures

Course Failure - occurs when a student receives less than a 65% for a final grade.

### Course Recovery Options - Grades 9 through 12

1. You may retake the class the next year at CV, if credits and schedule permit.
2. You may pay for summer course recovery through...
  - a. The Learning Lamp
  - b. Keystone Credit Recovery
  - c. Other approved organizations (must request specifically)
3. Parents/Guardians must contact the high school to receive the information.

Promotion Policy – Grades 9 through 12 – placed in homerooms based on credits earned.

Grade Level	Designation	Number of Earned Credits
9	Freshman	0 – 4.25
10	Sophomore	4.5 – 10.5
11	Junior	10.75 – 16.75
12	Senior	17 or more

### Promotion Policy - Grades 7 and 8

1. Students may be retained in their current grade level if they fail...
  - a. 2 major subjects or
  - b. 1 major subject and 2 minor subjects
2. Major subjects are defined as courses that meet a minimum 5 periods per week for the entire school year. All other subjects are considered minor.
3. Students may take and successfully complete summer course recovery options to avoid grade retention.

## Standardized Testing & Important Dates

### State Testing (PSSAs & Keystone)

1. Students are required to participate in state testing unless opted out by a parent or guardian.
2. To assist students with their state testing, any student who does not score proficient on the Keystone Exams (Algebra, Literature, Biology) may be scheduled into a **Keystone Remediation Program**.

#### Key Dates for 2023-2024

End of Q1: October 26, 2023

End of Q2: January 12, 2024

End of Q3: March 20, 2024

End of Q4: May 24, 2024

#### Testing Windows

PSSA ELA: April 22-26, 2024

PSSA Math & Science: April 29-May 3, 2024

Winter Keystones: December 4-15, 2023

Spring Keystones: May 13-24, 2024



# Health & Physical Education Curriculum

## **Physical Education**

Students will take this course to fulfill a physical education requirement. The planned course will consist of modified games, team sports, and life-long activities. The emphasis will be placed on student problem solving and interaction with peers. Students will learn the importance of sportsmanship and positive interaction with other classmates.

<b><u>(1400/1401) Physical Education 7</u></b>	5 Period/Week – 18 weeks – No Credit
<b><u>(1402/1403) Physical Education 8</u></b>	5 Period/Week – 18 weeks – No Credit
<b><u>(1404/1405) Physical Education 9</u></b>	5 Period/Week – 18 weeks – 0.5 credit
<b><u>(1406/1407) Physical Education 10</u></b>	5 Period/Week – 18 weeks – 0.5 credit
<b><u>(1408/1409) Physical Education 11</u></b>	5 Period/Week – 18 weeks – 0.5 credit
<b><u>(1410/1411) Physical Education 12</u></b>	5 Period/Week – 18 weeks – 0.5 credit

Physical Education will be offered for all students, Monday-Friday, for a semester. They will have PE paired with other semester and/or quarter courses.

Grade	Semester 1 or 2	Quarter/Semester	Quarter/Semester
7	Physical Education	STEAM 7	Health 7
8	Physical Education	STEAM 8	Intro to Art 8
9	Physical Education	Google Suite 2	Health 9
10	Physical Education	Sophomore Seminar	PA History 10
11	Physical Education	Junior Seminar	Health 11
12	Physical Education	Senior Seminar	

Note: Half of the students will have PE in the first semester while the other half has the cycle classes.

**(1307) Health 7** 5 Period/Week - 9 Weeks - No Credit  
 The 7th Grade Health Course is designed to teach students how to identify factors that affect their social, emotional, and physical health. They will explore the following topics: Body systems, nutrition, diseases, drugs and alcohol.

**(1309) Health 9** 5 Period/Week - 9 Weeks - 0.25 Credit.  
 The 9<sup>th</sup> Grade Health Course is designed to teach students how to analyze factors that impact and influence their personal choices related to the topics of nutrition, drug use, and disease prevention. They will analyze and interpret the following subjects: Nutrition, STD's, Environmental Health, and Social Skills.

**(1311) Health 11** 5 Period/Week - 9 Weeks - 0.25 Credit  
 The 11<sup>th</sup> Grade Health Course is designed to provide the student with the knowledge and information necessary to evaluate factors that impact their personal growth and development, evaluate professional health care products and services, and apply quality decision making skills. They will learn how to assess and apply these skills to their adult lives to maintain or improve their long term health and well-being.

# **English Language Arts Curriculum**

## **(113) English 7**

10 Periods/Week - 36 Weeks – No Credit

This course is designed to give students a background in reading, writing, speaking, and listening that will serve as preparation for further education. Vocabulary, spelling, and grammar are heavily emphasized. The course also covers the basics of research, including finding and using appropriate and reliable sources, MLA citations, the basics of thesis statements, and avoiding plagiarism. Students also cover the basics of literature including literary terms. Students read several short stories and explore how the various literary elements affect the story. PSSA ELA preparation is also covered in the class, with an emphasis on conquering the Text Dependent Analysis component. Students also read one novel independently and discuss it with the rest of the class.

## **(108) English 8**

5 Periods/Week - 36 Weeks – No Credit

The eighth grade junior high English course will cover comprehensive reading, writing, speaking, listening, and grammar skills. The course also offers units on poetry, short stories, drama, public speaking, and preparation for the PSSA English Language Arts test. Close to the end of the school year, the class will read a novel and drama. There will also be instruction in research skills, and a research project and presentation about the Holocaust will be assigned. In addition to the aforementioned units, weekly lessons in spelling/vocabulary and grammar are included.

## **(109) English 9**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course includes the study of various short stories, *The Odyssey*, and finally Shakespeare's *Romeo & Juliet*. Students will also study vocabulary and participate in journal writing. Various projects and presentations, several requiring group collaboration, are implemented throughout the year. In addition, students will conduct research focusing on credible sources and citing sources. They will use their research to compose research papers using the current MLA format.

## **(110) English 10**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course includes studies in reading and writing. Students will engage in both fiction and nonfiction works. Students will complete a novel unit which includes independent reading, written response to reading, and extended exploration of reading. Students will also complete various writings including properly sourced documents. An emphasis will be placed on vocabulary acquisition and practice of grammar/editing skills. This course will also use student performance data to focus on intensive preparation for the Keystone Exam.

## **(111) English 11**

5 Periods/Week - 36 Weeks - 1.0 Credit

Using a variety of strategies, we trace American Literature from the oral culture and poetry of Native Americans to the drama of the mid-twentieth century. We examine poetry, sermons, orations, essays, aphorisms, autobiography, satire, short stories, novels nonfiction, and drama. The year begins with the Delaware creation myth "The Walam Olum" and ends with Lorraine Hansberry's "A Raisin in the Sun." Students are required to complete a career paper and presentation as part of their Senior Portfolio. Students are not permitted to schedule more than two (2) English classes in a year, regardless of academic deficiencies.

### **(112) English 12**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course includes an overview of British Literature with a focus on *Beowulf*, *Chaucer*, *Shakespeare*, and various poetry examples. Students are required to cite all sources used in all writing assignments using proper MLA format. Students are also expected to do a variety of independent reading throughout the year. Students are not permitted to schedule more than two (2) English classes in a year, regardless of academic deficiencies.

### **(121) Honors English 9**

5 Periods/Week - 36 Weeks - 1.0 Credit

**Prerequisite:** 98%+ in English 8 OR 93%+ in Honors English 8 AND Proficiency on PSSA 8

This course includes units on short stories, classical literature, poetry, writing skills, a research paper complete with a Works Cited page and citations, public speaking with a persuasive speech presented by each student, a study in Shakespeare and independent reading and study of a novel. Some works include Shakespeare's *Romeo and Juliet*, Homer's *Odyssey* and Golding's *Lord of the Flies*. Grammar and journal writing are also implemented throughout the year. Intense weekly vocabulary lessons are stressed for the enhancement of SAT verbal skills.

### **(122) Honors English 10**

5 Periods/Week - 36 Weeks - 1.0 Credit

**Prerequisite:** 98% or higher in English 9 or 93% OR higher in English 9 Honors

Emphasizes improving reading skills. A much-accelerated look at the various genres of literature as well as different forms of nonfiction. The novel The Old Man and the Sea is read and discussed at length, as well as the play The Merchant of Venice. Vocabulary is stressed throughout the year.

### **(123) Honors English 11**

5 Periods/Week - 36 Weeks - 1.0 Credit

**Prerequisite:** 98%+ in English 10 or 93%+ in Honors English 10 & Proficiency on Keystone Literature

A much accelerated look at American Literature with an emphasis on critical thinking, analysis, and literary criticism. The same historical time periods as the regular American Literature class is covered, however, more detailed, complex and less accessible material such as modern poetry. Students are also required to write a research paper evaluating a career choice, which is part of the senior project.

### **(117) Honors English 12**

5 Periods/Week - 36 Weeks - 1.0 Credit

**Prerequisite:** 98%+ in English 11 or 93%+ in Honors English 11 & Proficiency on Keystone Literature

Recommended for all college students, this course involves critical reading, intensive writing, listening, speaking, and research. The concept of critical and evaluative thinking underlies all of the activities of the course. This course can be taken for college credit through the College In High School Program through Pennsylvania Highlands Community College.

### **(124/1241) SAT Preparation**

5 Periods/Week - 36 Weeks - 0.5 Credit Math/0.5 Credit English

The SAT Preparation course is to prepare college bound students to excel on both the verbal and math sections of the SAT taken for college admissions. Heavy focus on test taking skills, Math/ELA test content, and practice exams. Students will receive an SAT text which they can keep. NOTE: Based on interest, this course may be offered as an Independent Study.

# **Communications Curriculum**

## **(119) Applied Communications**

5 Periods/Week - 36 Weeks – No Credit

This course will focus on the task of written text dependent analysis (TDA). Students will engage in both fiction and nonfiction works. The course will emphasize three main skills: 1) reading comprehension; 2) analysis of an author's use of literary devices (elements), text structure, or other choices made by the author; and 3) a well-written essay to communicate this understanding. Reading comprehension skills, literary terms and text structure understanding, along with the writing process and writing mechanics will be utilized in this course.

## **(135) Print Media**

5 Periods/Week - 36 Weeks - 1.0 Credit

Students in this course will be contributing staff members of both *Valley's Voices* school digital newspaper, and *The Convalera Conemaugh Valley Yearbook*. Students will produce a quality monthly digital newspaper from September through April, and they will also produce a printed Senior Edition in May. All students will write articles for the newspaper, and design yearbook page spreads. Other tasks will include, but are not limited to, designing digital newspaper layout, editing newspaper and yearbook for errors, conducting both in-person and email interviews, taking pictures for both newspaper and yearbook, selling business ads for the yearbook, organizing fundraisers for both newspaper and yearbook, distributing yearbooks, taking orders and managing payments for yearbooks and for *Valley's Voices* Senior Edition. Assessment is based on writing quality, assigned task completion, and adherence to deadlines.

## **(0231) Intro to Public Speaking**

5 Periods/Week - 9 Weeks - 0.25 Credit

All 9th grade CV students will take this course as part of their grade 9 cycle. This course is designed to have students learn to be comfortable speaking in front of others. A focus on genuine human interaction as well as positive communication skills will be the forefront of the course. Students will be asked to give speeches on topics they feel comfortable discussing. This course can be a precursor for taking Public Speaking as a College in High School credit.

## **(231) Public Speaking**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course is designed to help the student build confidence in the theory and practice of public speaking, with the emphasis on the speaker-audience relationship. Skills include analyzing the speaking situation, choosing appropriate topics, conducting research, organizing ideas, utilizing evidence, using voice and body to deliver public speeches effectively to a live audience, and developing the ability to listen actively and critically. This is a dual enrollment course with Penn Highlands. Part of this class involves video- recording the daily announcements that the student body and teachers will watch in the morning. The students in the class will serve as the broadcasters, thus practicing the art of public speaking.

## **(139) CVTV**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course is designed for the study and practice of the basic elements of broadcast journalism and video production. Students must complete an audition for entry into the class. Those who enroll in the course will be responsible for the production of the morning announcements for CVHS. The course will emphasize news-gathering, writing, video recording, and editing. Students will also be required to identify various news sources and use interview skills to create stories. It also requires that each student work in a cooperative environment and show leadership skills in managing personalities and talents of all students while working on our production. Time spent out of class covering various CV events may be required.

# **Social Studies Curriculum**

## **(207) World History 7**

5 Periods/Week - 36 Weeks - No Credit

This course is intended to help the student understand and examine the period in World History from the Prehistory period through the Middle Ages. Topics covered include: Prehistory, River Valley Civilizations, Ancient Greece, Ancient Rome, Byzantine Empire and Russia, Islamic Civilizations, Classical Asia, and the Middle Ages and Medieval Europe.

## **(232) PA & Local History 8**

5 Pd/Week - 9 Wks. - No Credit

In the study of world geography, students utilize physical and cultural perspectives to examine people, places, and environments at local, regional, national, and international levels. ... Students analyze how location affects economic activities in different economic systems. Students also learn the skills of geography such as the 5 Themes of Geography and other key building blocks of the topic.

## **(205) American History I**

5 Periods/Week - 36 Weeks - No Credit

This course is intended to help the student understand and examine the period in American History from the period of European exploration through the beginning of Reconstruction. Topics covered include the Age of Exploration, Colony Formation, the Revolutionary War, the Constitution, Early American History, the Jacksonian Era, Manifest Destiny and Sectionalism, and the Civil War.

## **(226) Civics**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course increases the understanding of how and why people voluntarily come together to make the necessary rules governing behavior in order to preserve the rights of all. It explains how our government is organized and operates. It also examines our role as a citizen and explains how government relates to and affects our lives socially and economically.

## **(211) American History II**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course is intended to help the student understand and examine the period in American History from the period of industrialization, America's rise to a world power through World Wars I and II, and the Cold War to the mid 1950's.

## **(225) PA & Local History 10**

5 Pd/Week - 9 Wks. - 0.25 Credit

This course will explore Pennsylvania's unique position geographically and historically. It will examine Pennsylvania geography, and its effect on the historical development of the state. The historical area's to be explored will be from its earliest times in the colonial period, through the modern industrial period. We will examine the unique state Pennsylvania was and is, because of what our founder William Penn created. This course will provide the students with the insight of the key role our state played in our country's historical, social, and economic development.

## **(212) American History III**

5 Periods/Week - 36 Weeks - 1.0 Credit

This course is intended to help the student understand and examine the period in American History from the 1950's to the present. It will include the Civil Rights Movement of the 1950's and 1960's, the general civil unrest through the early 1970's as a result of Vietnam and civil rights, and the Nixon/Watergate years.

**(0220) American Government/Economics**

5 Periods/Week - 36 Weeks - 1.0 Credit

The American Government course will explore, with the students, an overview of America's system of government. The overview will consist of a study beginning with various forms of government, democratic principles, and the Constitution, with an understanding of our governing process. This study of American Government will provide a civic education with the understanding that the roles, and responsibilities of a citizen must be active, rather than passive participation. Economics is an introductory course that will explore the basic economic problems facing all societies. It will focus on the structure and values underlying the American economic system. Heavy emphasis will be placed upon the operation of a market economy. Various activities will be used to help lead to an understanding of a market economy and other practical applications that students will use the rest of their lives.

**(227) Honors American Government**

5 Periods/Week - 36 Weeks - 1.0 Credit

**Prerequisite:** 95% or higher in Civics, American History II, and III

This course introduces the student to the processes and institutions of the American national government. The course examines the evolution of the principles, form and operation of the national government system with special emphasis on constitutional issues, the President, Congress, the judicial system, the party system, and public opinion and the media in politics. This class is offered as dual enrollment in conjunction with Pennsylvania Highlands Community College for college credit.

**(240) Psychology/Sociology**

5 periods/Week - 36 Weeks - 1 Credit

This course will provide students with practical insight into human behavior. These insights are the result of past and present studies and research data. Information will be examined that will provide details about the practical and relevant use of psychology. This is an elective and does not count as a History requirement for graduation. Students will study how people's lives are shaped, the social environment, and in turn, how that environment is shaped by people. We will explore the effects of cultural diversity. The course will investigate human adaptability and analyze the connection between individual actions and the larger social world. This is an elective and does not count as a History requirement for graduation.

**(230) Global Issues**

5 Pd/Week - 36 Wks. - 1.0 Credit

What is terrorism? What causes terrorism? How can states defeat terror organizations? How can the United States protect citizens while still protecting a right to privacy? These are all questions that have come to the forefront of U.S. politics and international relations in the wake of the 9/11 attacks. Although terrorism has existed for many years, this phenomenon has become one of the most pressing problems facing our world in the 21st century. This course seeks to answer the aforementioned questions from a global perspective with a focus on terrorism and the United States.

**(235) U.S. Film History**

5 Pd/Week - 36 Wks. - 1.0 Credit

Since the late 19th Century, showing the history of the United States through film has been an important part of our culture. Films have generated interest in American History. This course will investigate Hollywood's take on a variety of subjects ranging from the American Revolution, the Civil War, World War II, and the September 11 Attacks. The class focuses on analyzation of several films, including speaking and writing intensive through research of historical events that inspired the films and discussion to follow each viewing. Students wishing to take this course must have a permission slip signed by a parent/guardian.

### **(028) Intro to Criminal Justice**

5 Pd/Week - 36 Wks. - 1.0 Credit

This class will analyze and examine Crime in America, policing, the court system and judicial process, corrections, drugs, terrorism, and high-technology/cyber-crimes. The main four points of this course will focus on police work, adjudication in regards to how a courtroom functions, the structure, and sentencing. How the correction system works including probation, parole, and prisons. The last part of the course would focus on special issues such as the juvenile system, drugs, crime, and high-technology crimes. This course is designed for students in grades 10 through 12 who may have an interest in the Criminal Justice field after high school.

### **(236) History of Sports**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course is a comprehensive history of sports. Sports are a major part of the carving of our nation's and world's history. We will begin by examining the global origin of athletics and the ways that popular sports and rules have changed over time and migrated to today's society. Throughout the year we will discuss contemporary issues and controversy in sports - including but not limited to: PEDs and other illegal drugs, rivalries, media rights, brain trauma, civil rights, tragedies, athletic finances and franchises, college recruitment, bracketology, and many other relevant related topics.

### **(208) History of Music and Other Media**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course explores World History in alternative ways. Historiography is the study of how history was written, who wrote it, and what factors influenced how it was written. Examples of this would be first or second hand accounts, textbooks, and other forms of literature. This class aims to study history through Music, art, poetry and theater. Students will be able to look at specific historical events using these forms of media to get a deeper and richer understanding.

### **(209) Contemporary Military History**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course is a survey of the changing patterns of warfare within Western and Eastern civilization, to include analyses of principal military thinkers and the evolving relationship among Western and Eastern societies, warfare, and their military institutions. In this class we will explore conflicts, minor battles and major wars that affected Western and Eastern Civilization starting from the 1800's to 2000's. The overall goal of this class is to study the major conflicts that helped shape the world we know as whole from the Napoleonic Wars, to the American Civil war and The Soviets invasion of the middle east. This class will give some insight to modern day life. Such as rivalries between modern nations, increased political tension and so much more.

### **(203) Current Events**

5 Pd/Week - 36 Wks. - 1.0 Credit

The Current Events Inquiry class is an elective for students in grades 9-12. This course will use current events that focus on world, national, and state/local issues that affect students' everyday lives, such as economics, law/government, geopolitics, sports/pop culture, science/technology, and conflict. Students will utilize various media outlets to explore these topics through projects, presentations, primary/secondary source analysis and opinion pieces in order to formulate an understanding of the world they live in. Students who qualify will also participate in the Heritage Conference Current Events Competition to be held in March. More information will follow as it becomes available. Students will be expected to use their school emails to create accounts on various news platforms to access content. Please note that while I have no political agenda to promote with this class, you are likely to be exposed to ideas and opinions that differ from your own. These views will not necessarily reflect my own or those of Conemaugh Valley School District. If this is an issue, then this is not a class for you.

# **World Language Curriculum**

## **(820) Introduction to Spanish**

5 Pd/Week - 36 Wks. - No Credit

Introduction to Languages is a 9-week preliminary introduction to the study of basic linguistics. Both cognitive and social aspects of first and second language acquisition will be studied. Students are exposed to very basic Spanish language through the 5Cs of Foreign Language Learning: Communication, Culture, Connections, Comparisons, and Communities.

## **(305) Spanish I**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** 75% or higher in English 8.

Spanish I focuses on the development of the four language skills: listening, speaking, reading, and writing in the present tense. Students are exposed to basic Spanish language through the 5Cs of Foreign Language Learning: Communication, Culture, Connections, Comparisons, and Communities.

## **(306) Spanish II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** 75% or higher in Spanish I. Passing Semester 2 Final.

Spanish II continues the communicative approach as students gradually expand their study of language, grammar, and culture. Students will discuss events in the present and future tense where they will use and apply acquired language skills in real-life situations and writing tasks. Students are exposed to intermediate Spanish language through the 5Cs of Foreign Language Learning: Communication, Culture, Connections, Comparisons, and Communities.

## **(307) Spanish III**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Teacher recommendation from Spanish II.

Spanish III builds upon language, grammatical accuracy, and continues the development of speaking and listening proficiency. Students will use and produce language in real-life situations and discuss events in the present, past, and future. Students are exposed to intermediate Spanish language through the 5Cs of Foreign Language Learning: Communication, Culture, Connections, Comparisons, and Communities.

## **(308) Spanish IV**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Teacher recommendation from Spanish III.

Spanish IV involves advanced grammatical studies and communicative practice skills. Literary readings are presented to provide insight of the past, present, and future Hispanic world. Students are exposed to intermediate/advanced Spanish language through the 5Cs of Foreign Language Learning: Communication, Culture, Connections, Comparisons, and Communities.



## Mathematics Sequence & Curriculum

<b>Grade</b>	<b>Track 1</b>	<b>Track 2</b>	<b>Track 3</b>
<b>7</b>	Math 7	Math 7	Math 7
<b>8</b>	Algebra I (8)*	Algebra IA (8th)	Applied Math 8
<b>9</b>	Geometry	Algebra IB**	Algebra IA
<b>10</b>	Algebra II	Geometry	Algebra IB**
<b>11</b>	Trigonometry and/or Algebra III/Prob & Stats	Algebra II	Geometry or Integrated Math
<b>12</b>	Algebra III/Prob & Stats, Calculus, and/or Math with Financial Applications	Algebra III/Prob & Stats, Trigonometry, and/or Math with Financial Applications	Algebra II, Integrated Math, or Math with Financial Applications

\*Placement into 7th and 8th grade math will be based upon teacher input, assessments, and classroom performance at the completion of the 6th and 7th grade and subject to the final discretion of administration. Subject to change.

\*\* KEYSTONE EXAM TRIGGER COURSES

### **(407) Math 7**

5 Pd/Week - 36 Wks.- No Credit

**Prerequisite:** satisfactory completion of Grade 6 Math

Math 7 is a course that is used to address the PA Core Standards. The curriculum for Mathematics identifies four critical areas of focus in Grade 7: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

### **(406) Pre-Algebra (7)**

5 Pd/Week - 36 Wks.- No Credit

**Prerequisite:** satisfactory completion of Grade 6 Math

Pre-Algebra is a course that is used to address the PA Core Standards while also focusing on Algebra 1 topics which include: variables, algebraic expressions, equations, inequalities, and functions. The curriculum for Mathematics identifies four critical areas of focus in Pre-Algebra: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

### **(453) Applied Math 8**

5 Pd/Week - 36 Wks.- No Credit

**Prerequisite:** Satisfactory completion of Math 7

Applied Math 8 is a course aligned to the Common Core State Standards for eighth grade students in Pennsylvania. Emphasis is placed on the number system, expressions and equations, geometry, and statistics and probability.

### **(425) Algebra I (8)**

5 Pd/Week - 36 Wks. - No Credit

**Prerequisite:** Satisfactory completion of Pre-Algebra

Algebra I is a comprehensive study of the fundamentals of algebra. Attention is given to literal symbols, integers, formulas, solving equations and inequalities, graphing, word problems, and operations with polynomials. This course, Academic Algebra I, is the foundation for higher mathematics courses.

### **(427) Algebra IA**

5 Pd/Week - 36 Wks. - 1.0 Credit

### **(4278) Algebra IA**

10 Pd/Week - 36 Wks. - No Credit

Algebra I is a comprehensive study of the fundamentals of algebra. In Algebra I A, attention will be given to understanding the language of algebra, real numbers, solving linear equations, graphing, relations and functions, analyzing linear equations, and word problems. This course, Academic Algebra I A, is the foundation for Algebra I B and higher mathematics courses.

### **(428) Algebra IB**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Satisfactory completion of Algebra IA.

Algebra I is a comprehensive study of the fundamentals of algebra. In Algebra I B, attention will be given to solving linear inequalities, solving systems of linear equations, graphing, operations with polynomials, factoring, statistics, and word problems. This course, Academic Algebra I B, is the completion of Algebra I which is the foundation for higher mathematics courses.

### **(410) Algebra II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Successful completion of Algebra I & Geometry\*

\*Students who score proficient or better on the 8th grade PSSA and the Algebra I Keystone may take Algebra II and Geometry simultaneously.

This course is a continuation of Algebra I with emphasis on structure and theory. Application of fundamental operations and factoring with polynomials, rational and irrational numbers, solutions of quadratic equations and graphing quadratic functions.

### **(411) Geometry**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Successful completion of Algebra I.

Geometry is treated as a mathematical system with postulates and theorems. Some of the areas studied include angle relationships, parallel lines and planes, triangle congruence, circle properties, and the Pythagorean Theorem.

### **(415) Algebra III**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Successful completion of Algebra II

This course is designed to help students prepare for higher level math courses as well as review concepts from Algebra II while working to build strong problem solving and math reasoning skills. This course will also explore other topics, including: Probability & Statistics, Discrete Mathematics, & Matrices.

### **(413) Trigonometry**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Algebra II (80% or higher)

Trigonometry is designed to prepare students for engineering and Math-Science programs in college to methods of making indirect measurements of angles and distance. Included are the study of logarithms, function of the general angle radian measure, trigonometric identities, and equations.

### **(414) College Calculus**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Algebra II (85% or higher), Trigonometry (85% or higher).

This course is designed to challenge and stimulate students who are college bound. Students will study polynomial, logarithmic, exponential, derivatives, and antiderivative problems. The class is also offered through our College in High School program with the University of Pittsburgh-main campus. Students are able to take the course for a fee as a 4 credit college course. All tests and final exams will be given at CVHS.

### **(461) Integrated Math**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Algebra I.

This course is designed for eleventh grade students with a variety of career or academic interests. This course covers the basics of Geometry and an introduction to Algebra II.

### **(465) Math with Financial Applications**

5 Pd/Week - 36 Wks. - 1.0 Credit

Math with Financial Applications is the reviewing and strengthening of the fundamental process of mathematics to develop competence. The basic concepts include: addition, subtraction, multiplication, division, fractions, decimals, percent and aliquot parts. Emphasis is placed on understanding the fundamental process of using math skills and concepts in meaningful, real-life situations. After reviewing the fundamental process, a pupil's knowledge and skill are applied to problem solving in personal, business, and/or consumer situations.

### **(124/1241) SAT Preparation**

5 Periods/Week - 36 Weeks - 0.5 Credit Math/0.5 Credit English

The SAT Preparation course is to prepare college bound students to excel on both the verbal and math sections of the SAT taken for college admissions. Heavy focus on test taking skills, Math/ELA test content, and practice exams. Students will receive an SAT text which they can keep. NOTE: Based on interest, this course may be offered as an Independent Study.

## Science Sequence & Curriculum

<b>Grade</b>	<b>Track 1</b>	<b>Track 2</b>	<b>Track 3</b>
<b>7</b>	Science 7	Science 7	Science 7
<b>8</b>	Science 8	Science 8	Science 8
<b>9</b>	Honors Biology I*	Life Science	Life Science
<b>10</b>	Chemistry I	Biology I*	Biology I*
<b>11</b>	Choices: College Intro. Physics Advanced Biology II College Chemistry	Chemistry I	Choices: Chemistry I Environmental Science Physical Science Earth & Space Science
<b>12</b>	Choices: College Intro. Physics Advanced Biology II College Chemistry Anatomy/Physiology Medical Terminology	Choices: Any Track 1 offering or Any Track 3 offering	

\*KEYSTONE EXAM TRIGGER COURSES

### **(507) Science 7**

**5 Pd/Week - 36 Wks. - No Credit**

Seventh-Grade Science is an introductory course for all seventh grade students. The course will focus its content on an introduction to Chemistry, Physics, and Earth Science. This class will lay the foundation for material covered in Eighth-Grade Science and help prepare the students for the Eighth Grade PSSA. This course will also lay the foundation for your future science classes.

### **(508) Science 8**

**5 Pd/Week - 36 Wks. - No Credit**

Eighth-Grade Science is an introductory course for all eighth grade students. The course will focus its content on an introduction to Biology and continuation of Earth Science topics. This class will expand on the material covered in Seventh-Grade Science and help to further prepare the students for the Eighth Grade PSSA. This course will also lay the foundation for your future science classes.

### **(523) Life Science**

**5 Pd/Week - 36 Wks. - 1.0 Credit**

This course covers the first half of the entire Biology curriculum, which focuses heavily on the Life Sciences. This course will give students an in-depth knowledge on the following topics: The understanding of cells, organization of organisms, ecosystems, interactions within ecosystems. The students will also be able to compare and contrast basic living organisms with more complex organisms. The class also focuses on the concept of evolution while studying many timelines. It will also help prepare them for the Biology Keystone Exam. Laboratories designed to apply and demonstrate course content will be included.

### **(510) Biology I**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course is a continuation of the topics learned in Life Science, with a focus on the Biological Science. Topics include: cellular processes within living organisms including their macromolecules, DNA replication, cell division for reproduction, and the study of genetics. This course will include a cumulative review from Life Science in preparation for the Keystone Exam. Laboratories designed to apply and demonstrate course content will be included.

### **(518) Advanced Biology I**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course encompasses the entire Biology Curriculum mentioned above in Life Science and Biology I. It begins with a discussion of the unique properties of living organisms that set them apart from the nonliving. The presentation of molecular and cellular biology gives a background for the concepts of reproduction and genetics. Understanding the continuity of life and the transmission of characteristics to offspring by hereditary determiners gives meaning to organic variation and scientific classification units dealing with microbiology, multicellular plants, invertebrate animal life, the vertebrae animals, and human biology follow in logical sequence. The course ends with a unit covering ecological relationships, pollution, and conservation.

### **(511/5111) Chemistry I (with Lab)**

6 Pd/Week - 36 Wks. - 1.2 Credits

**Prerequisite:** Biology I, Algebra I, and Geometry

Chemistry I is a rigorous course designed for those who are planning to go to college or for those who are planning to go to a technical school for a job in the medical field. The course will cover various topics dealing with the fundamental concepts in inorganic chemistry. Students in this course will study the periodic table of elements, explore the chemistry of the world around them, and learn how to utilize dimensional analysis to solve a variety of problems. This course includes a lab section to apply the content and classroom discussions. During the lab activities, students will also learn about lab safety, how to use various pieces of equipment, and how to perform many different techniques.

### **(512) College Chemistry**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Chemistry I (75% or higher)

College Chemistry offers students college-level concepts on theories in inorganic chemistry. You would be expanding on fundamental Chemistry I concepts of elements/compounds and stoichiometry (math related to reactions) and probing in areas of gas laws, solution chemistry, chemical kinetics, and in-depth lab activities and writing lab reports. College Chemistry provides a solid background for the student serious about continuing his or her education in a chemistry-related field. This course can be taken for college credit through the College-In-High School Program through Mount Aloysius College.

### **(513) Introduction to College Physics**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Algebra II

Physics is the study of the way the universe works. In this course, the students will gain a conceptual and mathematical understanding of the physical world. Physics is tangible, relevant, and challenging. Some of the topics covered are motion, forces, gravity, energy, momentum, and rotational equilibrium/dynamics. There will also be current topics and research covered in additional readings, such as Einstein's Theories of Relativity and the String Theory. The study of physics is a valuable part of the general education of any student. Learning to examine the parts of a problem in order to find a solution will be useful throughout a person's life. In this class, there are also many hands-on labs and projects, such as the building of a catapult and an egg-drop. The class can be taken through Mount Aloysius College to earn four college credits.

### **(515) Anatomy-Physiology**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Biology I, Chemistry I

The study of Anatomy/Physiology is essential for those who plan a career in health sciences because a sound knowledge of structure and function is necessary for health professionals to perform their duties adequately. Knowledge of anatomy-physiology is also beneficial to the nonprofessional. This background improves the ability to evaluate physiological activities, understand recommended treatments, critically evaluate advertisements and reports on the popular literature, and interact rationally with health professionals.

### **(516) Applied Science**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** successful completion of Biology I

The course will help students become more aware of the role that science plays in our daily lives. It uses basic topics in Chemistry, Physics, and Earth and Space sciences and applies them to the study of the science processes: including energy and biotechnology.

### **(517) Environmental Science**

5 Pd/Week - 36 Wks. - 1.0 Credit

Environmental Science is an integrated science that utilizes concepts from biology, ecology, geology, chemistry, and physics to explore the environment. The course focuses on environmental concerns in the atmosphere, water and soil and the effect that these have on organisms. This course is designed to acquaint the student with the type of work common to research scientists.

### **(519) Advanced Biology II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Biology I, Chemistry I

This class will offer you an introduction to biological principles fundamental to understanding animal life. Cell structure, cell function and biochemistry, heredity, molecular genetics, classification of major phyla, and the structure and function of major animal organ systems. This course will be taught through the College in High School program offered by Saint Francis University and will contain the course content equivalent to BIOL III taught at Saint Francis University.

### **(541) Biological Terminology**

5 Pd/Week - 36 Wks. - 1.0 Credit

This course will focus on the many components of a medical term, including how to properly pronounce and break down a medical term by knowing the meaning of the prefix and/or suffix. The class goes into detail about the components of the human body including diseases and disorder as well as treatment.

## **Business, Careers, & STEAM Curriculum**

### **(540) STEAM 7**

5 Pd/Week - 9 Wks. - No Credit

STEAM 7 introduces seventh-grade students to the components of STEAM focusing on three units of study. In the first unit, students will enjoy coding using the Hour of Code Express Course to expose them to the multiple aspects of block coding. In the second unit, students delve into engineering design as they utilize K'NEX building kits in order to build bridges seen across the world. In the third unit, we finish our introduction of STEAM with students coding ozobots using a variety of codes to traverse a road map created by the students.

### **(859) STEAM 8**

5 Pd/Week - 9 Wks. - No Credit

STEAM 8 utilizes the UKIT Beginner kit which provides a foundation to robotics. The UKIT Beginner curriculum reinforces STEAM instruction in an engaging, hands-on way, in which the students will build 13 pre-designed models while also strengthening problem-solving and computational thinking skills through programming their robotics projects with block-based coding.

### **(029) STEAM 9**

5 Pd/Week - 9 Wks. - 0.25 Credit

A 9-week rotation course that introduces 9<sup>th</sup> grade students to foundational elements of coding. Students will be introduced to basic command statements and applications to real world situations. Additionally, students will continue instruction in the area of STEAM. This course will build on skills that were learned in 8<sup>th</sup> grade in STEAM 8 and 7<sup>th</sup> grade in STEAM 7.

### **(004) Sophomore Seminar**

5 Pd/Week - 9 Wks. - 0.25 Credit

This course is to focus on students completing their Career Readiness artifacts required by the state of Pennsylvania. Students will be responsible for making sure all benchmarks are met on our Smart Futures program.

### **(005) Junior Seminar**

5 Pd/Week - 9 Wks. - 0.25 Credit

A 9-week course that provides Juniors an opportunity to establish their Career Portfolios. Students will complete their Career paper to include in their Career Portfolios as a requirement of Pennsylvania's Career, Education and Work standards.

### **(006) Senior Seminar**

5 Pd/Week - 18 Wks. - 0.5 Credit

#### **REQUIRED CREDIT FOR ALL SENIORS**

This course is for seniors. During the course the CCP (Career Culminating Project), which is a graduation requirement, will be completed. Additionally, students will create professional documents (resume, etc) and develop interview skills. Additional subject matter for the course will evolve as the perceived needs for "real life" evolve and may include financial literacy, job/career skills, First Aid and self-defense. The 10 hours of Community Service that seniors are required to complete prior to graduation will also be tracked during this course.

### **(777) Career Exploration**

5 Pd/Week - 9 Wks. - 0.25 Credit

This course is to focus on students completing their Career Readiness artifacts required by the state of Pennsylvania. Students will be responsible for making sure all benchmarks are met on our Smart Futures program.

## **(007) Introduction to Business & Careers**

5 Pd/Week - 9 Wks. - 0.25 Credit

### **REQUIRED CREDIT FOR ALL 9th GRADE STUDENTS**

Introduction to Business is an introductory course offered to ninth graders. The main purpose is to get a brief introduction into business. The main focus of the course will be on the six major functions of business and their importance in the workplace. Students will also begin career exploration by identifying their interests, strengths, weaknesses, and skills.

## **(613) Finance**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Geometry

Introduction to the principles of finance which covers topics including: finance & accounting, economics & private enterprise, money, currency, and cash, financial products, credit, bills and taxes. At least once every two weeks, students will work in the BirdCage (a branch of GAP Federal Credit Union), which provides on the job training and summer job opportunities. Students will learn how to open new accounts, complete member's transactions, and balance a cash drawer. The class assists with students learning how to control their money now.

## **(614) Business Independent Study**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Finance I

An independent study into one of the following topics: economics, personal finance, entrepreneurship, management, or marketing. At least once every two weeks, students will work in the BirdCage (a branch of GAP Federal Credit Union), which provides on the job training and summer job opportunities. Students will learn how to open new accounts, complete member's transactions, and balance a cash drawer.

## **(717) Google Suite 1**

5 Pd/Week - 9 Wks. - No Credit

This course will help new high school students understand the most important concepts of the Google Suite. This includes, but is not limited to: Google Suite Navigation, using Google Drive, Gmail and proper email etiquette, Google Docs, etc.

## **(724) Google Suite 2**

5 Pd/Week - 9 Wks. - 0.25 Credit

This course will enable students to earn Google for Education Certification for students. Training will be supplied through Google's Applied Digital Skills Program. While the certification is not required, they will have the opportunity to earn it. This course will cover training in Google Sheets, Google Docs, and Google Slides.

## **(706) Web Design I**

5 Pd/Week - 36 Wks. - 1.0 Credit

Designed for the student who wants to learn how to create effective websites and maintain the current school's website. Students will be introduced to Dreamweaver, Wix, and Photoshop, Canva, and PicMonkey to create web pages. Students will learn how to format sites with graphics, links, hotspots, tables, image maps, rollover images, and more. This course teaches the fundamental concepts and skills for working with web pages.

## **(722) Web Design II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Successful completion of Web Design I

Students will continue to increase their knowledge of web designing products to effectively create web pages. Students will learn how to optimize images and study the advantages of using image slicing techniques. Students will be responsible for creating a dynamic, interactive school website by maintaining and adding content to the current school's website.



### **(451) Computer Science I**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Algebra I

Computer Science I is designed to provide the students with a solid background of the history of computers and computer programming. This course will introduce the programming language, Python. The students will learn how to write code to design graphics as well as write code for real world applications. This course does not meet the criteria for a math credit for the NCAA Clearinghouse. This is an elective and does not count as a Math requirement for graduation.

### **(452) Computer Science II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Computer Science I

This course is a continuation of Computer Science I. The programming language, Python will be reviewed and advanced coding instruction will be provided to the students. Also, the programming language, Java will be introduced to the students. An introduction to other programming languages such as Visual Basic and C plus will be offered to the students. This is an elective and does not count as a Math requirement for graduation.

### **(454) Computer Science III**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Computer Science II

This course is a continuation of Computer Science II. The programming language, Java and Visual Basic will be reviewed and advanced coding instruction will be provided to the students. Also, the students will learn how to use the software, Tinkercad to design and create objects for the 3D printer (Ultimaker).

# **Family & Consumer Science Curriculum**

## **(709) Family & Consumer Science I**

5 Pd/Week - 9 Wks. - 0.25 Credit

Family & Consumer Science I will place an emphasis on kitchen basics, applied math as it relates to the culinary field, nutrition, safety/sanitation, personal well-being and child development. The nature of the course will promote self-development and exploration through labs, peer collaborations and real life scenarios.

## **(711) Family & Consumer Science II**

5 Pd/Week - 36 Wks. - 1.0

Credit Prerequisite: Family and Consumer Science I

Family & Consumer Science II will provide students an opportunity to reflect and further develop their skill sets in the areas of finance, responsible consumption, food science/nutrition, culinary skills, child development and personal well-being. This course fosters creative and critical thinking, along with interpersonal communication and practical knowledge. Students will gain transferable employability skills of understanding and using internal and external resources to function effectively in our present and future society.

# **Fine & Performing Arts Curriculum**

## **(701) Intro to Art 7**

5 Pd/Week - 9 Wks. - No Credit

A nine-week exploratory class designed to help improve students' basic art skills; drawing, painting and sculpting, design artwork using a variety of media and techniques, develop students' creativity and self-expression, and recognize and use the art elements (line, shape, color, value, form, texture and space), and design principles (rhythm, balance, proportion, variety, emphasis, harmony and unity). *Note: this class may not always be offered.*

## **(702) Intro to Art 8**

5 Pd/Week - 9 Wks. - No Credit

In Grade 8, students will be made aware of the creative process, which includes brainstorming, problem solving, and analyzing and evaluating art. Design problems are solved using visual art structures and functions, while leaving room for a student's own personal ideas and artistic style. Students begin to see how the creative process relates to all disciplines, and come to know art as a tool of communication and self-expression. Studio assignments have a connection to art history and are reinforced with thoughtful art criticism and appreciation, strengthening analytical thinking skills. Through whole class critiques and written reflections, students learn how to analyze their own art and the work of others. They begin to understand the value of reflection and critical judgment in creative work. Through a series of hands-on projects using a wide variety of materials and techniques, students use the elements and principles of design to translate thoughts and feelings into 2 and 3 dimensional works of art. Students will draw from direct observation, memory and their imagination. They will be introduced to the art of various artists and cultures to expand their appreciation of the role of the arts in different societies.

## **(703) Art I**

5 Pd/Week - 36 Wks. - 1.0 Credit

Art I will introduce students to new art mediums and techniques that will allow them to explore their own creative expression through the visual arts. Building upon the skills gathered in Art 8, students will continue to learn more advanced methods, hone their skills, and develop critical thinking abilities through exploration of new materials and discussions of related art history topics. Students will leave this course with a general understanding of a variety of art mediums, history topics, and techniques that they can then apply to additional or subsequent art courses.

## **(708) Art II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Art I

Art II will introduce students to new art mediums and techniques that will allow them to explore their own creative expression through the visual arts. Building upon the skills gathered in Art 8 and 9, students will continue to learn more advanced methods, hone their skills, and develop critical thinking abilities through exploration of new materials and discussions of related art history topics. Students will leave this course with a general understanding of a variety of art mediums, history topics, and techniques that they can then apply to additional or subsequent art courses.

### **(714) Advanced Arts I**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Art I & Art II

This upper-level art multi-disciplinary course offers an opportunity for students to learn Digital Media, Animation, Jewelry and Fiber arts. Students will learn programs like Photoshop and Illustrator, to facilitate a knowledge of these programs and how to use them to create art. For the first semester. Throughout this class students will become familiar with the principles of design, pertinent art history topics, and viable careers in the digital arts, such as graphic design. Students will explore topics such as graphic design, traditional design, digital drawing/painting, animation, and pixel art during this semester. Students will then have the opportunity to create jewelry and fiber arts. Students will explore the element of form using a variety of materials such as metals and various fiber arts. Students will also learn the methods of weaving, macramé, enameling and various metal jewelry production. Final products will be displayed around the school. Students are encouraged to explore individual styles while producing a diverse body of three-dimensional work. This course will be offered every other year.

### **(713) Advanced Arts II**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Art I & Art II

This upper-level multidisciplinary art course offers an opportunity for students who wish to create three-dimensional art in sculpture and ceramics as well as two-dimensional works in drawing and painting. Students will explore the element of form using a variety of materials such as clay, plaster, wood, and metals. Students will also learn the methods of working with clay such as coiling, slab building, and throwing on the wheel. Final products will be displayed around the school. Students are encouraged to explore individual styles while producing a diverse body of three-dimensional work. Students will further expand the foundations through advanced processes of drawing and painting. Emphasis is placed on exploring a variety of artists, art processes and materials used in drawing and painting. Student artwork will reflect aesthetics & cultural and historical contexts. Willingness to get involved in the creative process is a more important requirement than the student's talent or previous experience. Students are encouraged to explore individual styles while producing a diverse body of two-dimensional work. This course will be offered every other year.

### **(716) Art Portfolio**

5 Pd/Week - 36 Wks. - 1.0 Credit

**Prerequisite:** Senior level course, Art II (93%) AND permission of instructor

Art Portfolio will give **senior students** the opportunity to build an art portfolio specific to their personal artistic interests/ abilities. Projects in this class are student-directed, giving students the ability to choose from a wide range of subjects, materials, and techniques that fit their specific portfolio. This class is essential to anyone considering pursuing art in college, as a well-developed and consistent portfolio is almost always an application requirement.

### **(0909) Senior High Band & Chorus**

5 Pd/Week - 36 Wks. - 1.0 Credit

Band offers the student an opportunity to serve his/her school through music performance. It also provides an avenue to further musical growth not only in the performance area but general music knowledge as well. The band student will be expected to perform at concerts, halftime shows, and other school functions. Advanced students may earn participation opportunities in County, District, Regional and All-State Honors ensembles. All performances are included in the class grade.

Chorus offers an opportunity to sing in a group environment. Through the use of part reading and vocal exercise, a chorus member will be able to improve their vocal ability. The chorus student will be expected to perform at various concerts and activities throughout the school year. Advanced students may earn participation opportunities in County, District, Regional and All-State Honors ensembles. All performances are included in the class grade.

### **(898) Music Theory and Composition**

5 Pd/Week - 36 Wks. - 1.0 Credit

**PREREQUISITE:** Although there is no prerequisite, it is suggested that a student have some musical knowledge and/or participate in an ensemble.

The Music Theory course is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course of the year students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation and ear training are also an integral part of the course and will be taught throughout the year. Individual creativity is nurtured through both rhythmic and melodic composition. This course is highly recommended for students in a musical ensemble.

### **(0809) Junior High Band & Chorus**

5 Pd/Week - 36 Wks. - No Credit

Band offers the student an opportunity to serve his/her school through music performance. It also provides an avenue to further musical growth not only in the performance area but general music knowledge as well. The band student will be expected to perform at concerts, halftime shows, and other school functions. Advanced students may earn participation opportunities in County Honors ensembles. All performances are included in the class grade.

Chorus offers an opportunity to sing in a group environment. Through the use of part reading and vocal exercise, a chorus member will be able to improve their vocal ability. The chorus student will be expected to perform at various concerts and activities throughout the school year. Advanced students may earn participation opportunities in County Honors ensembles. All performances are included in the class grade.

### **(899) Fundamentals of Music**

5 Pd/Week - 9 Wks.- No Credit

Fundamentals of Music is a general music class for 7th grade students. In addition to discussing music history, it also explores the use of music in our own culture as well as how music is used to enhance the lives of other cultures throughout the world. Because musical tastes vary from person to person, opportunities exist for students to research and present on the music that is personal to them. The goal is for students to become familiar with early musical development, while also becoming more critical with their own musical listening choices.

# Online Learning

All course approvals are subject to the course availability through the Open Campus On-Line Learning and at the discretion of the principal.

## 1. Individual Elective Course Pre-Requisites:

- Open to students in grades 9-12.
- CV must not offer the course or the course must be impossible to schedule.
- These cannot be used to replace a failed course.
- **Cost: The family is responsible for the initial cost of the course, unless the course is one that CV offers, but is unable to schedule.**
  - Families will be reimbursed full expense if and only if the course is complete and the student can present a passing score.

## 2. Full-Time Online Learning Students

- Students, accompanied by a parent/guardian, must come to the school to withdraw and register for entrance into the IU08 Accelerate Cyber School.
- Principal and Superintendent must approve the registration form.
- Laptops and/or hot spots may be provided by CV if needed.
- Students will be enrolled in courses needed for to graduate per CV graduation requirements. **All Cyber students follow the Conemaugh Valley credit limit policy of scheduling 7.5 credits per year.**
- Students must register prior to each school year.
- Students may enter or withdraw from the cyber learning at the start of each new quarter, unless there are extenuating circumstances approved by CVHS administration.
- **NOTE:** Students must continue to attend Conemaugh Valley until a “start date” has been established.
- **NOTE:** Students who enroll into IU08 Accelerate must be enrolled for a minimum of 45 school days before being considered for re-enrollment at CV.

### IU08 Accelerate Contact Information

Mr. Jeffrey Miller  
Dr. Brian Randall  
Mrs. Renee Lee  
Ms. Megan Hudson

CVHS Principal  
CVHS Asst. Principal  
CVHS Cyber Learning Support  
CVHS School Counselor

### (814) 535-5523

[jmiller@cvk12.org](mailto:jmiller@cvk12.org)  
[brandall@cvk12.org](mailto:brandall@cvk12.org)  
[rlee@cvk12.org](mailto:rlee@cvk12.org)  
[mhudson@cvk12.org](mailto:mhudson@cvk12.org)

# **Admiral Peary Area Vocational Technical School**

## **(916) Automotive Body/ Collision Repair**

*Students will learn the skills needed to repair, reconstruct and refinish automotive bodies. Instruction includes: the use of hand and power tools, MIG welding, refinishing techniques, estimates and more.*

\*Industry Certifications: AYES Certificate, Automotive Service Excellence Certificate, Certified Emissions Inspector, Certified Safety Inspector, Cat I, OSHA-Career safe, OSHA- Occ. Safety & Health Admin.

## **(902) Automotive Technology**

*Students will become familiar with diagnosis and repair of systems within the modern automobile. Including general maintenance, brakes, electrical, engine heating/cooling & more.*

\*Industry Certifications: Lifting it right, AYES Certificate, Section 609 Certification for Refrigerant Recycling & Recovery, Certified Emissions Inspector, Certified Safety Inspector, Cat I, II, III, Meter Certification, OSHA- Career Safe & OSHA- Occ. Safety & Health Admin.

## **(903) Carpentry**

*Students will learn the skills needed to plan, erect, install and maintain structures of wood using hand and power tools. Other experience is gained in estimating, layout and designs of structures, types of material and more.*

\*Industry Certifications: American Ladder Institute, NCCER Credentials, OSHA- Career safe, OSHA- Occ. Safety & Health Admin.

## **(901) Small Engine Mechanics/Motorsports**

*Students will learn how to repair, service and diagnose problems among a variety of small internal combustion 2 and 4 stroke engines. This can range from lawn mowers and chainsaws, to quads and side-by-sides. Students are also taught service operations, parts management and the basics of a working shop environment.*

\*Industry Certifications: Section 609 Certification, Automotive Service Excellence, Certified Emissions Inspector, Certified Safety Inspector, Cat I, II, III, OSHA- Career safe, OSHA- Occ. Safety & Health Admin

## **(904) Diesel Mechanics**

*Students learn technical knowledge and skills specialized to maintaining and repairing trucks, buses and other commercial vehicles. This program includes instruction in diesel engine mechanics, suspension and steering. Drive trains, HVAC systems and more. Students will learn to troubleshoot, repair and assemble, using professional heavy equipment facilities.*

\*Industry Certifications: Section 609 Certification, Automotive Service Excellence, Certified Emissions Inspector, Certified Safety Inspector, Cat I, II, III, OSHA- Career safe, OSHA- Occ. Safety & Health Admin.

### **(910) Health Assisting**

*Students will learn the skills necessary to assist in various health settings and will be eligible to take the CNA examination upon graduation. This is a great option for students looking to further their careers in the healthcare field.*

\*Industry Certifications: Heart Saver First Aid, BLS Healthcare Provider, Patient Care Technician, OSHA- Healthcare Career safe, OSHA- Career safe.

### **(915) Welding**

*Prepares students for the skills needed in the field of welding, cutters and other welding machine operating positions. Students will also become familiar with blueprint reading, various kinds of welding, plasma cutting and more.*

\*Industry Certifications: Certified Welder, OSHA- Career safe, OSHA- Occ Safety & Health Admin.

### **(906) Cosmetology**

*Students will learn the skills needed to care for one's hair, skin and nails. Students will have the opportunity for licensure through the Pennsylvania State Board of Cosmetology after meeting the requirements. Completion of this program will take 3 years. \*It is a state mandate that students accumulate 1250 hours before they are eligible to apply for licensure in Pennsylvania.*

\*Industry Certifications: Pennsylvania State Board of Cosmetology, OSHA- Career safe, OSHA- Occ Safety & Health Admin.

### **(911) HVAC/Refrigeration & Plumbing**

*Students will learn the fundamentals of installation, repair and maintenance of the equipment and accessory parts used for heating, air conditioning and cooling systems. This program covers basic installations of residential plumbing, sewer/water distribution systems and more.*

\*Industry Certifications: EPA 608, American Ladder Institute, OSHA-Career safe, OSHA- Construction Career safe.

### **(914) Masonry**

*Students will learn the process of block laying, stonemasons and cement masons. They will practice skills such as mortar mixing, joining bricks, chimneys and more.*

\*Industry Certifications: American Ladder Institute, OSHA- Career safe, OSHA Occ Safety & Health Admin, NCCER credentials.

### **(920) Digital Media & Cyber Security**

*Students will learn how to design, build and maintain computer networks. Skills include basic fundamentals of networking, hands on experience and access to all materials to obtain Cisco CCENT and Cisco CCNA certifications and CCT.*

\*Industry Certifications: 7 Adobe Certifications via Certiport



### **(917) Engineering Technology**

*Students will learn to use tools and machines used in various metalworking occupations and use programs such as AutoCAD, Inventor and CorelDraw, participate in BotsIQ Battlebot competitions and learn a variety of other mechanical engineering concepts.*

*\*Industry Certifications: Auto Desk, OSHA-Career safe, OSHA- Safety & Health Admin*

### **(908) Electrical Technology**

*Students will be prepared to install, maintain and service electrical equipment, working with magnetic, solid state and programmable motor controls.*

*\*Industry Certifications: American Ladder Institute, OSHA- Career safe, OSHA- Occ. Safety & Health Admin*

### **(923) Early Childhood Education**

*Students will gain an understanding of child development and how they learn and grow and have the chance to work with preschool aged children and assist in early learning centers. Upon completion, students will be eligible to earn the Child Development Associate (CDA) credential.*

*\*Industry Certifications: Early Childhood Education, Heartsaver AED, Heartsaver First Aid, Heartsaver Pediatric First Aid CPR, AED, AED Essentials, CDA-Ready, Get Started with Center Based Care, Act 31- Mandatory Reporter, OSHA- Careersafe.*

### **(909) Culinary Arts**

*Students are trained for entry level employment in commercial, institutional or self-owned food establishments. Skills are practiced on all facets of food preparation.*

*\*Industry Certifications: Serv Safe.*

### **(918) Construction Trades**

*Students will prepare to apply technical knowledge and skills in the erection and installation of buildings and structures made from assorted materials, such as wood, metal, stone brick and more. This program covers the basics on carpentry, masonry, plumbing, heating, electrical, painting and other activities related to building construction such as reading blueprints and cost estimation.*

*\*Industry Certification: NCCER Credentials, OSHA-Careersafe, OSHA- Occ Safety & Health Admin.*

### **(921) Agricultural Productions/Landscaping**

*This is a hands-on program that focuses on the general planning, economics and use of facilities, natural resources, equipment, labor and capital to produce plant and animal products. This program utilizes science, technology, engineering and mathematics to prepare students for a diverse variety of in-demand occupations.*

*\*Industry Certification: Certified Landscape Technician, National Safe Tractor & Machinery Operator, PA Pesticide Applicator, Certification Dairy Leaders of Tomorrow, Pa Certified Horticulturist.*

## 7<sup>th</sup> Grade Sequence

<b>Course</b>	<b>Availability</b>
English 7	10 periods per week - full year
World History 7	5 periods per week - full year
Math 7 or Pre-Algebra 7	10 periods per week - full year
Science 7	5 periods per week - full year
Reading 7 Google Suite 1 Fundamentals of Music Intro to Art 7	5 periods per week - quarter cycles
Physical Education 7	5 periods per week – one semester cycle
Health 7	5 periods per week – quarter cycle
STEAM 7	5 periods per week – quarter cycle
JH Band & Chorus	Can be scheduled during WIN – flexibility with PE, Health 7, and STEAM 7

## 8<sup>th</sup> Grade Sequence

<b>Course</b>	<b>Availability</b>
English 8	5 periods per week - full year
American History I	5 periods per week - full year
Applied Math 8, Algebra IA (8th), or Algebra I (8th)	10 periods per week - full year
Science 8	5 periods per week - full year
Applied Communications	5 periods per week - full year
Reading 8 PA History 8 Career Exploration Introduction to Spanish	5 periods per week - quarter cycles
Physical Education 8	5 periods per week – semester cycle
STEAM 8	5 periods per week - quarter cycles
Intro to Art 8	5 periods per week - quarter cycles
Band & Chorus (can replace study hall)	Can be scheduled during WIN – flexibility with PE, STEAM 8, and Intro to Art 8

# **Scheduling Timeline**

## **1. February**

- CVHS Curriculum Committee meets to discuss and make revisions to the Curriculum Guide for the following school year.
- The Preliminary “Master Schedule” is created.
- Current Admiral Peary Vocational Technical School students are given the opportunity to give schedule requests for the following school year.

## **2. March**

- School Board of Directors are given the Curriculum Guide changes and asked for their approval of the new guide.
- Students in grades 9-12 will receive scheduling sheets and asked to pick their courses for the following school year.
- Course requests are entered into the PowerSchool System.

## **3. April**

- Principal creates the Master Schedule in PowerSchool based on the data provided by the preliminary schedule and the students’ requests.

## **4. May-July**

- There is no guarantee that the final master schedule will be completed by the end of the school year. Final changes are typically addressed in the summer time due to Standardized Testing and end-of-year requirements.
- Teacher and Student schedules will be released after the PowerSchool system rollover. This is when students officially change grades and usually happens in mid-late July.
- Please see page 2 of this guide for schedule change guidelines.

## **5. August**

- Teacher and Student schedules are finalized prior to 7<sup>th</sup> Grade and New Student Orientation.