



2021-22

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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Welcome to Course Registration

Registration determines a student's high school educational experiences. Please read this guide carefully and select according to your 1) requirements, 2) needs, and 3) wants. Our goal at CVHS is to **make being a small school special for our students**. One way we can do that by diversifying 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 or Ms. Bergman at sbergman@cvk12.org.

Scheduling Policies

CVHS has an eight (8) class schedule.

1. All students are required to schedule and carry at least seven (7) 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. If a student fails to submit a full schedule request prior to the end of the current school year, the principal and counselor shall schedule those subjects available to satisfy the minimum class requirements.
3. Electives with fewer student requests will likely not be offered. Please keep this in mind when selecting alternative elective choices.
4. Seniors in good academic standing may replace an elective with a Study Hall provided they are enrolled in at least two Honors Level or College in High School Courses.

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 anytime. *Ex) Scheduled in the wrong class.*
3. Important 2021-22 Dates

Important Date	Item/Deadline
August 6, 2021	Last day to request a schedule change.
August 13, 2021	Teachers' rosters are finalized.
August 26 - September 10, 2021	Add-Drop period - change must be supported in writing by a teacher.
After September 10, 2021	Withdraw-Fail for the class unless overridden by building principal.

Graduation & Credit Requirements

1. **Twenty-Five (25) credits**** - outlined in this guide
2. **Comprehensive Career Plan** - satisfactory completion in junior year
3. **Satisfactory completion of one of the plans below from PDE**

Plan 1	Proficient or Advanced on all Keystone Exams: Algebra I, Literature, Biology
Plan 2	Earning PDE satisfactory composite score of 4452 on Keystone Exams and: <ul style="list-style-type: none"> • Scoring proficient on at least one Keystone Exam • No less than Basic on the remaining 2 Keystone Exams
Plan 3	Pass all courses associated with Keystone Exams and one of the following: <ul style="list-style-type: none"> • Complete an alternative assessment (PSAT, SAT, ACT, ASVAB, etc.) • Satisfactorily complete advanced coursework (Dual Enrollment, etc.) • Complete a pre-apprenticeship • Earn acceptance in a 4-year nonprofit for college-level coursework
Plan 4	Pass all courses associated with Keystone Exams and one of the following: <ul style="list-style-type: none"> • Pass the NOCTI (CTC students) • Pass the NIMS assessment in an approved CTE concentration
Plan 5	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"> • ACT WorkKeys • SAT Subject Tests • AP and Dual Enrollment Coursework • Higher Education Acceptance • Community Learning Project (approved by administration) • Completion of an Internship, externship, co-op, or full-time employment

**Subject to Change based on PDE, Special Education, or Approved Circumstantial Situations*

Credit Requirements for Graduation (effective class of 2022)

25 credits required (Grades 9-12, including CPDLF students)

- | | |
|--------------------------|---|
| 4 credits English | 0.4 credit Real Life 101 (senior year) |
| 4 credits Math | 2.4 credits Phys. Education/Health (taken each year) |
| 4 credits Social Studies | 0.25 credit Introduction to Business (grade 9 rotation) |
| 4 credits Science | 1 credit Computer Applications (taken once in HS) |

Remainder of credits earned as Electives.

Vocational Credit Requirements (Admiral Peary Vocational CTC)

25 credits required (Grades 9-12) - see page 22 for additional CTC information

- | | |
|--|---|
| 4 credits English | 0.4 credit Real Life 101 (senior year) |
| 4 credits Math | 2.4 credits Phys. Education/Health (taken each year) |
| 3 credits Social Studies | 0.25 credit Introduction to Business (grade 9 rotation) |
| 3 credits Science | 1 credit Computer Applications (taken in grade 9 or 10) |
| 0.4 credits Current Events (.6 credits required for 3 year Cosmetology students) | |

Remainder of credits earned at the Admiral Peary Vocational CTC.

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
F	=	Below 65

The marking periods are divided into 4 nine-week cycles. Deficiency reports for grades below a “C” or below 75% in any subject area are sent home at the midpoint of each marking period.

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 grading scale will be based on three levels of courses:

Level I - The actual percentage

Level II - The percentage times 1.10

Level III - The percentage times 1.15

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

Level II	Level III
Calculus	Anatomy & Physiology
French III	Biology II
French IV	College Calculus
Honors English 9	College Chemistry
Honors English 10	Honors American Government
Honors English 11	Honors English 12
Honors Biology I	Introduction to College Physics
Spanish III	Public Speaking
Spanish IV	

College in High School Courses (Dual Enrollment)

Partnerships exist between Conemaugh Valley High School and various colleges to offer students the opportunity to earn college credit while enrolled in their high school courses. Currently partnerships exist with Saint Francis University, Mount Aloysius College, University of Pittsburgh, and Pennsylvania Highlands Community College.

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 most 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.

Conemaugh Valley High School 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

High School Course Name	College Partner	Credits	Equivalent
Honors American Government	Pennsylvania Highlands CC	3	GOV 100
College Chemistry	Mount Aloysius College	4	CH 101
College Introductory Physics	Mount Aloysius College	4	SC103
Honors English 12	Pennsylvania Highlands CC	3	ENG 110
Public Speaking	Pennsylvania Highlands CC	3	COM 101
College Calculus	University of Pittsburgh	4	MATH 220

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 seniors should make an appointment with Ms. Bergman to get the application and all other relevant details.

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	0-6.25
10	Sophomore	6.5-12.5
11	Junior	12.75-18.75
12	Senior	19 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 & Keystones)

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) will be either scheduled into a **Keystone Remediation Program**.

Key Dates for 2021-2022

End of Q1: October 28, 2021
End of Q2: January 18, 2022
End of Q3: March 23, 2022
End of Q4: May 27, 2022 (graduation)

Testing Windows

PSSA ELA: April 25-29, 2022
PSSA Math & Science: May 2-13, 2022
Winter Keystones: December 1-15, 2021
spring Keystones: May 16-27, 2022

Health & Physical Education Curriculum

(012/020) Physical Education

2 Pds/Week - 36 Weeks - 0.40 Credit

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.

(1309) Health 9

1 Period/Week - 36 Weeks - 0.20 Credit

The 9th Grade Health Course is designed to provide the student with the knowledge and information necessary to maintain physical, emotional and social well-being. A major emphasis is also placed on STD's, contraceptives, and human reproduction. Along with in-depth concepts of macro and micronutrients.

(1310) Health 10

1 Period/Week - 36 Weeks - 0.20 Credit

The 10th Grade Health Course is designed to provide the student with the knowledge and information necessary to maintain physical, emotional and social well-being. A major emphasis is also placed on illegal and prescription drugs along with CPR and nutrition.

(1311) Health 11

1 Period/Week - 36 Weeks - 0.20 Credit

The 11th Grade Health Course is designed to provide the student with the knowledge and information necessary to maintain physical, emotional and social well-being. A major emphasis is also placed on the dieting aspect of nutrition and chronic disease.

(1312) Health 12

1 Period/Week - 36 Weeks - 0.20 Credit

The 12th Grade Health Course is designed to provide the student with the knowledge and information necessary to maintain physical, emotional and social well-being. A major emphasis is also placed on different types of chronic disease.

English Language Arts Curriculum

(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. Students are not permitted to schedule more than two (2) English classes in a year, regardless of academic deficiencies.

(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.

Communications Curriculum

(135) Newspaper

5 Periods/Week - 36 Weeks - 1.0 Credit

Students enrolled in this course are responsible for producing the high school newspaper, The Conemaugh V. Basic journalism, photography, computer, organizational, and writing skills are taught and applied to the production of this publication. Students will also be expected to complete chapters in the Journalism textbook and will be assessed on chapter tests, worksheets, homework and projects. They will also be assessed on the quality of their work and their ability to meet a deadline.

(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 rotation. 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. They 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 and/or applying for CVTV in grades 10-12.

(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) C.V.T.V.

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 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

(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.

(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.

(214/215) Psychology/Sociology

5 periods/Week - 18Weeks - 0.50 Credits each

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.

(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.

(218) 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.

(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.

(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 analysis 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.

(237) Mystery, Mythology, & Folklore

5 Pd/Week - 36 Wks. - 1.0 Credit

During the 1st semester, students will study and gain insights into a specific genre of literature. We will also examine elements of unsolved events in history and cryptozoology. During the 2nd semester, students will focus on the geography of the Ancient World. There is also an emphasis on the key figures, heroes, and the monsters of the ancient religions of the areas of China, Scandinavia, Greece, Rome, the Middle East, Africa, and others.

(201) Current Events

1 Period/Week - 36 Weeks - 0.20 Credit

REQUIRED CREDIT FOR ALL ADMIRAL PEARY VOCATIONAL CTC STUDENTS

This course offers an in depth look at the happenings in today's world. Students read current events and are tested. It is a required Social Studies course for graduation for the vocational/technical curriculum.

World Language Curriculum

(301) French I

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 75% or higher in academic English 8

In French I, the student learns basic conversation skills that a teenager would use in a French-speaking country. This year's study also includes detailed pronunciation lessons, basic grammar and vocabulary and a cultural emphasis on France and its early history.

(302) French II

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 75% or higher in French I.

French II continues the study of grammar structures through the past tense, speaking skills, vocabulary, and a cultural emphasis on French-speaking areas other than France and famous French people. A brief study of French history includes the Renaissance and Classicism.

(303) French III

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 85% or higher in French II. LIKELY AN ONLINE COURSE

Third year French includes advanced grammar, speaking skills, a modern French novel, and a cultural emphasis on famous French people and classical French stories. A history unit includes the French Revolution and Napoleon.

(304) French IV

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 85% or higher in French III. LIKELY AN ONLINE COURSE

French IV involves the completion of grammar studies, speaking skills, a classical French novel, and current French movies.

(305) Spanish I

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 75% or higher in academic English 8.

Spanish I focuses on the development of the four language skills: listening, speaking, reading, and writing. Students' global awareness is expanded as they are introduced to the Spanish-speaking world.

(306) Spanish II

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 75% or higher in Spanish I.

Spanish II continues the communicative approach as students gradually expand their study of grammar. Students apply acquired language skills in real-life situations and writing tasks. Readings come from a variety of sources. This year's cultural emphasis is on Spain.

(307) Spanish III

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 85% or higher in Spanish II. LIKELY AN ONLINE COURSE

Spanish III builds upon grammatical accuracy and continues the development of oral and listening proficiency. Reading skills are strengthened through a selection of South American legends and stories. These readings enhance this year's cultural study of South American countries.

(308) Spanish IV

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: 85% or higher in Spanish III. LIKELY AN ONLINE COURSE

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.

Mathematics Sequence & Curriculum

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

(427) Algebra IA

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Satisfactory completion of Applied Math 8. 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.

(409) Algebra I

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Satisfactory completion of Applied Math 8. 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.

(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.

(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.

Science Sequence & Curriculum

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

*KEYSTONE EXAM TRIGGER COURSES

(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) Honors 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 vertebrate 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.

(509) Earth & Space Science

5 Pd/Week - 36 Wks. - 1.0 Credit

In this course, students will get the opportunity to explore four different planetary sciences: astronomy, geology, meteorology, and oceanography. There will be a heavy focus on astronomy- students will learn about the life cycle of a star, constellations, the expansion of the universe, and the creation of our solar system. Throughout the rest of the course, students will investigate the creatures and formations found in the ocean, the geologic history of the Earth, and varying weather patterns across the globe.

(516) Physical Science

5 Pd/Week - 36 Wks. - 1.0 Credit

In this class the students will have the opportunity to develop skills in observation. This class will explore basic topics in chemistry and physics. Topics to be covered will include using the periodic table, basic compound naming, light, sound, and energy. Material covered will be geared to meet the needs and ability of individual students. The objective of this course is to help students become more aware of the world around them.

(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) 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) Medical 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 & STEAM Curriculum

(101) Real Life 101

2 Pd/Week - 36 Wks. - 0.4 Credit

REQUIRED CREDIT FOR ALL SENIORS

This course is for seniors. The curriculum for the course revolves as the needs in real life evolve. There is a major emphasis on financial literacy, job/career skills, and community involvement. This is where students will be able to access their community service hours required for graduation. They will meet and discuss with alumni to understand the history of CV. Content and topics are constantly evolving.

(007) Introduction to Business

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 compare and contrast the diversity of the global workplace. Students will learn how to function intelligently in a business economy. Includes topics such as problem solving, personal budgeting, entrepreneurship, looking for employment opportunities, and the basic components of a business plan.

(613) Finance I

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Algebra I, Geometry

Introduction to personal finance, marketing skills, money management, money investment, and the Bird Cage C.U. (branch of GAP Federal Credit Union). Two days a week, students will work in the 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 balancing out a cash drawer. The class assists with students learning how to control their money now.

(614) Finance II

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Finance I

An expansion on fundamental Finance I concepts of personal finance, marketing skills, money management, money investment, and the Bird Cage Credit Union (branch of GAP Federal Credit Union). Two days a week, students will work in the Credit Union, which provides on the job training and summer job opportunities. Students will continue to open new accounts, complete member's transactions and balance out a cash drawer.

(704) Computer Applications

5 Pd/Week - 36 Wks. - 1.0 Credit

REQUIRED GRADUATION CREDIT- MUST BE COMPLETED ONCE DURING GRADES 9-12.

Computer Applications is an introductory course in personal computers using Microsoft Windows and Office Suite applications. The student will receive hands on experience in MS Windows, Word, Excel, PowerPoint and other programs. It will emphasize the use of computers and technology throughout their high school, college, and future careers. This course will also continue to strengthen the keyboarding skills of each student.

(705) Advanced Computer Applications

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Computer Applications

Advanced Computer Applications offers a continuation of basic skills, as well as an introduction into Dreamweaver and Photoshop. The materials encountered are a sampling of work situations throughout the course which adds practical realism.

(706) Web Design I

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Advanced Computer Applications

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 and CSS 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: Web Design I

Students will continue to increase their knowledge of Dreamweaver and CSS 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 offers the history of computers and an introduction to computer programming in Q Basic. 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. Q Basic text book with programming will be completed along with Internet usage, and a possible introduction to other programming languages such as Visual Basic and C plus. This is an elective and does not count as a Math requirement for graduation.

(029) STEAM 9

5 Pd/Week - 9 Wks. - 0.25 Credit

A 9-week rotation course that introduces 9th 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 8th grade in STEAM 8 and 7th grade in STEAM 7.

Family & Consumer Science Curriculum

(709) Family & Consumer Science I

5 Pd/Week - 9 Wks. - 0.25 Credit

Students will learn about family structures. They will understand the psychological and physical development of children from birth to two years of age. Students will discuss their own adolescent development. The basics of budgeting will be practiced. Students will understand the ideas of refuse, reduce, reuse and recycle. My Plate are the focus of nutrition as students begin to develop their own dietary guidelines. Fundamental knowledge of kitchen equipment and basic cooking methods as well as sanitation and safety will be learned and practiced. Sewing on a button and hand stitching begin to build their fundamentals of sewing.

(710) Family & Consumer Science II

5 Pd/Week - 36 Wks. - 1.0 Credit

A more in-depth look at the family and the trends that affect them will be examined. Proper care for children through various stages of their life cycle will be discussed and practiced. Students will discuss their own development and the risks of eating disorders, teen pregnancy and peer pressure. Application and interviewing techniques will be discussed and practiced with the hopes of attaining employment. Food-borne illness, safety and sanitation will be reviewed and enforced. The discussion of key nutrients will allow students to make smart food choices. Students will learn proper procedures for the preparation of various salads, sauces, soups, entrees and desserts. Using a sewing machine and constructing a pillowcase will build upon their previous sewing skills.

(711) Family & Consumer Science III

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Family and Consumer Science II

Students will research the difference between credit and debit cards. The students will construct an apron that will be later used in their kitchen labs. Students will research cuisine around the world and present it to the class. They will then find recipes from that part of the world and prepare it in class. They will use their personal experiences in childhood to compare to their current adolescent life hurdles.

Fine & Performing Arts Curriculum

(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) Advanced 2D & 3D Art

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Art I

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 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) Digital Art & Design

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Art I

Digital Art & Design will build upon students' knowledge of digital art techniques, focusing on programs like Photoshop and Illustrator, to facilitate a knowledge of these programs and how to use them to create art. 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 course to further their critical thinking skills and creative problem solving abilities.

(716) Art Portfolio

5 Pd/Week - 36 Wks. - 1.0 Credit

Prerequisite: Adv 2D & 3D (93%+) **OR** Digital Art & Design (93%+) **OR** Instructor approval

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. 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. All performances are included in the class grade.

On-line Learning Electives

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

Pre-Requisites:

- Open to students in grades 10-12.
- CV must not offer the course or the course must be impossible to schedule.
- These cannot be used to replace a failed course.

Requirements:

- Students must adhere to the procedures, policies, and deadlines of the Open Campus On-Line Learning Program.
- Due to the contractual obligations with the Open Campus On-Line Learning Program, once in progress, students are required to complete the elective in its entirety.
- Only one on-line learning elective period is permitted in a school year.
- A grade of "C" or better is required in order to register for additional on-line learning electives in subsequent years.
- Each elective is .5 credits.
- The course requested must be something that either CV does not offer, or that students cannot fit into their schedules.

Admiral Peary Area Vocational Technical School

Admissions Policy

Admiral Peary Area Vocational Technical School offers fourteen programs of study. This opportunity is available to students beginning in 11th grade, 10th for the Cosmetology Program. Please see your school counselor for more information. The programs are listed below and on the next page with a brief description.

(916) Automotive Body 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.

(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.

(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.

(901) Small Engine Mechanics

Students will learn how to repair, service and diagnose problems among a variety of small internal combustion 2 and 4 stroke engines. Students are also taught service operations, parts management and the basics of a working shop environment.

(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.

(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.

(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.

(911) HVAC

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.

(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.

(917) Networking Technology

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.

(908) 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.

(908) Electrical Technology

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

(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.

(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.

7th Grade Sequence

Course	Availability
English, Literature, & Research 7	2 periods per day - 10 periods per week - full year
World History 7	1 period per day - full year
Mathematics 7	2 periods per day - 10 periods per week - full year
Science 7	1 period per day - full year
Character Education/Choices Introduction to Computer Technology Fundamentals of Music STEAM 7	1 period per day - 9 week cycles
Physical Education	2 periods per week - full year
Health	1 period per week - full year
Band & Chorus (can replace study hall)	2 periods per week - full year

COURSE DESCRIPTIONS:

English, Literature, & Research -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. It also covers the basics of research including finding and using appropriate and reliable sources, MLA citations, plagiarism, and the basics of thesis statements. Students write an MLA research paper and work together on presentations. 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. Students also read novels in groups and independently.

World History 7-This course will present a study in History from the River Valley civilizations through the Age of Exploration. Topics covered include Ancient Egypt, the Vikings, Aztecs, and many others.

Mathematics 7-This course focuses on proportional reasoning and will help students prepare for success in high school math. Students will study numbers, computation, estimation, patterns, functions, basic algebra, probability, geometry, and measurement.

Science 7- This course is an introductory Science course for all Seventh Grade Students. The course is designed to allot one quarter for each of the following fields: Biology, Chemistry, Earth Science, and Physics. This class will lay the foundation for material covered in Eighth-Grade Science and help prepare the students for the Eighth Grade PSSA.

8th Grade Sequence

Course	Availability
English 8 or Honors English 8	1 period per day - full year
American History I	1 period per day - full year
Applied Math 8, Algebra IA (8th), or Algebra I (8th)	1 period per day - full year
Science 8	1 period per day - full year
Math Growth Concepts & Applied Communications	2 or 3 periods per week each – full year
Geography & PA/Local History	1 period per day - full year
Intro to Art 8 Introduction to Foreign Languages Choices/Study Skills STEAM 8	1 period per day - 9 week cycles
Physical Education	2 periods per week - full year
Health	1 period per week - full year
Band & Chorus (can replace study hall)	2 periods per week - full year

*Placement in Algebra I and Applied Math 8 will be based upon grades, testing assessments, and classroom performance at the completion of the seventh grade and subject to the final discretion of administration.

CORE COURSE DESCRIPTIONS:

English 8-- This course covers comprehensive reading, writing, speaking, listening, and grammar skills. The course also offers units on speeches, poetry, short stories, drama, public speaking, and preparation for the English Language Art test. Close to the end of the school year, the class reads *The Diary of Anne Frank* which is the dramatization of *Anne Frank: The Diary of a Young Girl*. There is also instruction in research skills. In addition to the units, weekly lessons in spelling/vocabulary and grammar are included.

American History I - This course will help students understand and examine American History from the pre- Colonial Period through the 1870s. It will focus on Colonial Settlement, Native Americans, American Revolution, the emergence of political parties, territorial expansion of the 19- century, Civil War and Reconstruction, and Industrialization.

Applied Math 8- Applied Math 8 is a course designed to prepare students for the PA Core Standards as well as prepare them for high school level mathematics. Students will explore a wide variety of topics including: the number system, expressions & equations, functions, geometry, and probability & statistics.

Algebra I (8th)- 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 is the foundation for higher mathematics courses. Students will take both PSSA Math 8 and Keystone Algebra

Science 8- This course is a Science course that is an introductory course for all Eighth Grade Students. The course is designed to allot one quarter for studying various topics in each of the following fields: Biology, Chemistry, Earth Science, and Physics. 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 future science classes.

9th Grade Sequence

As you enter the high school ranks, you will begin to have the options to choose elective courses that meet your graduation requirements and your personal needs. At CV, we limit the options for 9th grade students because this is the first year that grades and attendance get stored on their permanent record. The list below shows what the typical 9th grade schedule will look like. Please refer to this as you select your courses.

Course	Availability
English 9 or Honors English 9	1 period per day - full year
Civics	1 period per day - full year
Mathematics (refer to the sequence page)	1 period per day - full year
Science (Life Science or Honors Biology)	1 period per day - full year
Family & Consumer Science I Intro to Public Speaking Intro to Business (graduation requirement) STEAM 9	1 period per day - 9 week cycles
Physical Education	2 periods per week - full year
Health	1 period per week - full year
Electives <ul style="list-style-type: none"> • Computer Applications (graduation requirement - must be taken at some point during high school) • Art I • Band/Chorus (can take all 4 years) • World Language (French I or Spanish I) 	1 period per day - full year * work with the school counselor to determine the best path

Items in the curriculum guide are subject to change, even after production and distribution. Please contact the School Counselor (sbergman@cvk12.org) with any questions regarding our guide and/or graduation requirements.