Pequea Valley Secondary School



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Grades 9-12 Curriculum Guide 2026-2027

Pequea Valley Secondary School

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Curriculum Guide

2026-2027

Introduction

Pequea Valley School District is committed to providing a wide range of courses and opportunities for learners through mass customization. This booklet outlines the various courses available with a short description of each course. Course selection is an important task that must be carefully planned by you and your families. The courses that you study in high school today will greatly influence your future life. To enhance future opportunities, plan your educational program so that you develop your abilities and talents fully.

Every effort will be made to assign learners to the courses they select. However, the administration reserves the right to assign learners to courses if the learner's original choices will not be scheduled. The administration also reserves the right to drop low enrolled courses. **Schedule changes after the last day of school will be at the discretion of the administration, but generally will not be permitted. A valid justification for academic schedule changes must be made through a parent meeting and administrative approval.**

Master Schedule Construction

Learners initially sign up for their next year's courses in the spring of each year. Based upon course request information, the administration builds the master schedule. This schedule reflects the interests of the learners. Course sections are determined upon the initial request and facilitator availability. Adjustments are made to reduce the conflicts that exist. The entire process takes about four months with the objective of meeting every learner's course requests. **It is not the intent of this master schedule process to accommodate course change requests after the initial sign-up period. Therefore, we strongly suggest that careful consideration to course selection be given during the initial sign-up phase of the process.** The listing of a course does not indicate that the course will be taught or available.

Policy Statement – Civil Rights

The programs and activities of the Pequea Valley ~~High~~ Secondary School are operated in compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973.

All vocational and academic opportunities and extracurricular activities are offered without regard to race, color, national origin, sex or handicap. Numerical limits are not placed on the number of persons admitted to vocational or academic education programs based on race, color, national origin, sex or handicap.

Counseling materials and activities are free from discrimination on the basis of race, color, national origin, sex or handicap. Learner program selections, career and employment selections, and promotion and recruitment efforts are free from discrimination on the basis of race, color, national origin, sex or handicap. These rules apply to one's actual or potential parental family status or marital status.

The Pequea Valley School District, an equal opportunity employer, will not discriminate in employment, educational programs or activities based on race, color, national origin, sex or handicap. This policy of nondiscrimination extends to all other legally protected classifications. Publication of the policy in this document is in accordance with state and federal laws including Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and Title VI. Inquiries should be directed to Equal Opportunities Coordinator, Pequea Valley School District, P.O. Box 130, 166 S New Holland Road, Kinzers, PA 17535-0130.

Attendance

Attendance in class is the most important factor in successfully mastering a course. Each day of absence means that something was missed. It is the learner's responsibility to see the instructor and make arrangements for completing the work missed immediately upon return to school. Failure to do so could result in a failing grade for the work missed. Excessive absences will result in failing a course or grade.

Effective beginning the 2019-2020 school year, seniors must attend 90% of the school days to be eligible for participation in the commencement ceremony. Seniors who accumulate more than 18 days of absence (excused and unexcused) will be required to meet with district administration to review eligibility for participation in the commencement exercises.

Graduation Requirements

Minimum requirements for graduation have been established by the school in conjunction with requirements established by the Department of Education. The following requirements must be completed before a Pequea Valley ~~High~~ Secondary School diploma may be issued:

Learners must complete a **MINIMUM** total of **24 credits**, including: 4 credits of Math, 4 credits of English, 3 credits of Science, 3 credits of Social Studies, 1.5 PE and Health (1 credit wellness 9 and 10, and .5 PE), .5 credit from Personal Finance, and 8 elective credits, (which could include ~~PVHS~~ PVS classes and/or CTC, approved virtual classes, internships, dual enrollment courses, college in the classroom, or work-study) and a graduation experience which includes a digital career readiness e-portfolio presentation.

*****Learners graduating in 2023 and beyond must meet a graduation pathway requirement as set by the Pennsylvania Department of Education and the government of the Commonwealth of Pennsylvania. Please refer to the learner handbook, school district website, or Pennsylvania Department of Education website for information regarding these required pathways.*****

- Learners in ~~9th and 10th~~ 9th-11th grade must schedule 7 credits per year.
- Learners who have earned a total of 14 credits by the summer before junior year will have the privilege of customizing their schedule for 11th and 12th grades to include required courses for graduation and the flexibility of internships, dual enrollment, CTC, and work-study.
- Learners in 11th and 12th grade must take a minimum of 10 credits over the two years, meeting all graduation course requirements. ~~11th graders must schedule at least 7 credits.~~
- Learners may take more than the minimum 24 credits if they choose. **Learners planning to attend a technical school or college are advised to take more than the minimum required.**
- Learners **MUST** complete a digital career readiness e-portfolio, submit at least 8 pieces of evidence to the digital career readiness e-portfolio, and prepare a graduation experience presentation.

Learners who fail a major core course or a sufficient number of elective credits will be required to remediate these credits through an approved PV Virtual Summer School course or credit recovery program. Learners and/or their parents may contact the counseling office for more details and to ensure approval for each course. **Cost for credit recovery is the responsibility of the learner.**

Learners planning to attend the Lancaster County Career and Technology Center during their senior year must meet all requirements to be promoted to senior status.

Graduation Pathways

*****Learners graduating in 2023 and beyond must meet a graduation pathway requirement as set by the Pennsylvania Department of Education and the government of the Commonwealth of Pennsylvania. Please refer to the learner handbook, school district website, or Pennsylvania Department of Education website for information regarding these required pathways.*****

Option #1: Keystone Pathway #1

· The learner must earn proficient or advanced on all three Keystone Exams (Algebra I, Literature, and Biology).

Option #2: Keystone Pathway #2

· The learner must earn proficient or advanced on at least ONE Keystone Exam, and score at least basic on the other two Keystone Exams. The composite score of all three exams must be at least 4452.

Option #3: Career and Technical Education Pathway

More information can be found online or at the Pennsylvania Department of Education website.

Option #4: Alternate Assessment Pathway

More information can be found online or at the Pennsylvania Department of Education website.

Option #5: Evidence Based Pathway

More information can be found online or at the Pennsylvania Department of Education website.

*****For options 3/4/5 the learner must successfully pass the required Algebra 1, Biology, and 10th grade ELA courses*****

Selection of Courses

1. Each learner is encouraged to meet with a school counselor for scheduling purposes.

2. When a learner submits their initial requests, every effort will be made to schedule the courses that the learner has requested.
3. Learners who drop any courses after **two weeks into the semester,** including band and chorus, will receive an "F" for the course. The "F" is carried on the learner's permanent record.

Technical School/Career Bound Courses

Learners who plan to attend CTC during high school, continue their education at a technical school, or enter the world of work after high school should consider the Technical School/Career Bound courses. English, science, STEM, and math courses that will support a learner at work, in technical school, CTC, and work study will be the focus of this pathway.

College Preparatory Courses

Learners who plan to continue their education at any type of post-high school institution, whether it is a four-year college, a technical school, or a nursing school, should seriously consider the college preparatory pathway. Learners who are undecided about post-high school education, but have the ability to do the required standard of work, should consider the college preparatory education pathway. By selecting this pathway, the learner will keep more doors of opportunity open.

Many Pennsylvania college and university deans strongly recommend the following for learners entering their institutions: competency in English grammar and well-developed composition skills; competency in a world language; four years of secondary math study; and the study of biology, chemistry and physics.

Honors Courses

This pathway consists of fast-paced, rigorous mathematics, English and science courses designed to meet the needs of those learners who plan to enroll in Advanced Placement courses and attend a four-year college. Learners will be expected to do research and assignments beyond the school day.

Advanced Placement Courses

Advanced Placement courses are available in several areas throughout the curriculum for learners who are academically qualified and have the need for a program offering greater depth, broader scope and challenging experiences. Learners must take the AP Exam, complete research, and complete summer readings and assignments. Advanced Placement test payments are due by April 30th. Prerequisites must be met for placement. Learners may not drop AP classes after July 1. Parents must sign a memorandum of understanding.

College in the Classroom Through Harrisburg University

Advanced Placement courses, as well as select other courses listed as a part of the College in the Classroom through Harrisburg University program, offer learners the opportunity to take the course for either dual enrollment credit or as a traditional Advanced Placement course. Classes will be instructed by PV facilitators on Pequea Valley's campus. If registering for an AP class that also falls under the guidelines of College in the Classroom, learners must select to either take the AP exam at the conclusion of the course, to take the class as dual enrollment credit through Harrisburg University and pay all associated fees, or to do both. The decision as to which pathway the learner plans to pursue in the class must be selected, in writing and with parental signature, by four weeks into the course. Harrisburg University charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway. Advanced Placement test payments are due by April 30th.

Pequea Valley cannot guarantee that credits will transfer outside of Harrisburg University in the course of study. Credits may be transferred to other higher education institutions outside of Harrisburg University according to their institutional credit transfer guidelines. It is the responsibility of the learner to research the best option for their future pathway.

Career Occupation Relevancy Education (C.O.R.E.)

C.O.R.E. is a two-year comprehensive MCL program which provides an alternative to the traditional school setting that puts learners on a path for apprenticeships, CTC, internships, work study programs, and Thaddeus Stevens early enrollment during their junior and senior years. It provides various options geared towards skills and trades. This program requires learners to apply through school counselors and administration and be selected for entry.

Lancaster County Career & Technology Center

Over fifty programs are available for learners through the LCCTC. Learners attend ~~PVHS~~ PVS during grade 9, 10, and then may attend the CTC for a half-day program junior year and a full-day program during their senior year. Courses available for seniors are listed in the back of the course selection guide.

Virtual Courses

Virtual courses can be taken over the summer or during the 2025-2026 school year to provide enrichment and/or flexibility to a learner's schedule. Learners must demonstrate successful academic achievement in previous courses as well as meet other enrollment criteria. Learners can see their counselor for details about course offerings and eligibility to take virtual courses.

Internships

Internships will be available to junior or senior learners with administrative approval, who have met the credit requirement (14) by the end of their sophomore year, and are scheduling the courses needed to meet graduation requirements. Learners will earn (2, 1, or .5) elective credits for the internship and will be graded pass/fail. Requirements and paperwork for internship consideration will be available before the fall semester.

Work-Study

Work-study will be available to junior or senior learners with administrative approval, who have met the credit requirement (14 credits) by the end of their sophomore year and are scheduling the courses needed to meet graduation requirements. Learners will earn (1) elective credit for the work-study and will be graded pass/fail.

Digital Career Readiness E-Portfolio

The Pennsylvania Department of Education requires every learner to meet Career Standards Benchmarks for career exploration, career acquisition, career retention and advancement, entrepreneurship, and complete a career portfolio prior to graduation. Pequea Valley ~~High~~ Secondary School's Digital Career Readiness E-Portfolio meets this requirement. This is designed to assist learners in researching potential careers and post-secondary educational options. A majority of the e-portfolio will be completed using Xello and saved to an online portfolio in Schoology. Learners will meet annually with mentors to learn about the e-portfolio requirements that must be completed prior to graduation, and prepare and present their e-portfolio to a panel.

Dual Enrollment

Junior and senior learners in good standing will be considered for dual enrollment courses with colleges participating in a dual enrollment agreement with Pequea Valley High School. More information regarding dual enrollment, eligibility requirements, cost, transportation, etc. can be found on the School Counseling page at www.pequeavalley.org or in the counseling office.

NCAA Freshman Eligibility

It is the responsibility of learners who plan to participate in college athletics to make sure that all NCAA academic requirements are met. The NCAA requires all core courses to be college prep or higher. For information regarding the requirements, learners should meet with their coach and school counselor. For more information, go to www.NCAA.org or www.eligibilitycenter.org. Click on resources and view the list of Pequea Valley ~~High~~ Secondary School approved courses and the Eligibility Quick Reference Guide. Proper planning and course selection every year will ensure that an athlete is prepared to meet the NCAA Eligibility requirements.

Courses approved by NCAA are identified with . **Do not wait until senior year to review the website and the courses needed to qualify.**

ELECTIVES
*** Some courses are offered on a rotating basis**

Department	Course		Grade	Department	Course		Grade
ENGLISH				**SCIENCE**			

	5193 V	Creative Writing (virtual)	9,10,11, 12		5350	Forensic Science	10,11,12
SOCIAL					5379	Planetarium STEAM Production	9,10,11, 12
STUDIES	5285v	Geography (summer virtual)	10,11,12	**ART**			
	5280	Sociology	10,11,12		5800	Foundations of Art	9,10,11, 12
	5281	Psychology	10,11,12		5802	Two D Design 1	9,10,11, 12
	5286	Street Law	9,10,11, 12		5804	Two D Design 2	10,11,12
WORLD					5805	Watercolor	9,10,11, 12
LANG.	5500	German 1 (Novice)	9,10,11, 12		5806	Painting 1	9,10,11, 12
	5520	German 2 (Novice)	10,11,12		5808	Painting 2	9,10,11, 12
	5540	German 3 (Intermediate)	11,12		5811	Three D Design 1	9,10,11, 12
	5510	Spanish 1 (Novice)	9,10,11, 12		5812	Three D Design 2	9,10,11, 12
	5530	Spanish 2 (Novice)	9,10,11, 12		5813	Ceramics	9,10,11, 12
	5551	Spanish Lang. & Soc. (Inter.)	11,12		5817	World Art	9,10,11, 12
	5552	Spanish Film & Media (Inter.)	11,12		5816	Personal Art Portfolio	11,12
	5553	Spanish Conversation (Inter.)	11,12	**MUSIC**			
	5554	Spanish Lang. & Lit. (Inter.)	11,12		5852	Musical Theater	9,10,11, 12
	5555 V	AP Spanish Virtual	12		5856	Applied Music	9,10,11, 12
WELLNES S					5858	Piano	9,10,11, 12
	5663	Intro to Health Careers	10,11,12		5860	Guitar	9,10,11, 12
	5630	Lifetime Fitness	9,10,11, 12		5861	Band	9,10,11, 12
	5656	Wellness PE/Health 9	9		5862	Voice	9,10,11, 12
	5657	Wellness PE/Health 10	10		5870	Concert Choir	9,10,11, 12

	5658	Wellness thru Sports	9,10,11, 12		5872	Chamber Singers	9,10,11, 12
	5659	Adventure Education	9,10,11, 12		5876	Treble Choir	9,10,11, 12
	5660	Anatomy and Physiology	10,11,12		5878	Music Theory	9,10,11, 12
	5706	Nutrition and Wellness	9,10,11, 12		5880 5881	Ukulele Jazz/History Improv	9,10,11, 12 9,10,11, 12
	5664	Mindfulness	9,10,11, 12				
	5667	Self-Discipline and Situational Self-Defense Skills	9.10.11, 12				
	5668	Applied Sports Performance	11,12				
TECH				**AG**			
ED	5730	Wood 1	9,10,11, 12	**SCIENCE**	5959	Small Animal Science	9,10,11, 12
	5732	Wood 2	9,10,11, 12		5961	Large Animal Science	9,10,11, 12
	5733	Wood 3	10,11,12		5964	Natural Resources	9,10,11, 12
	5734	Wood 4	10,11,12		5966	Intro to Ag Mechanics	9,10,11, 12
	5750 1	Digital Electronics A	9,10,11, 12		5968	Welding Tech	9,10,11, 12
	5751	Digital Electronics B			5975	Small Engine Troubleshooting	9,10,11, 12
	5758/ 9	Architectural Drafting 1/2	9,10,11, 12		5971	Landscape and Floral	9,10,11, 12
	5762	Graphic Communications	9,10,11, 12		5973	Horticulture	9,10,11, 12
	5763	Graphics 2	9,10,11, 12		5974	Food Science	9,10,11, 12
	5767	Advanced Photography	9,10,11, 12		5963	Foods of the Future	9,10,11, 12
	5768	Digital Photography	9,10,11, 12		5978	Ag Biotechnology	9,10,11, 12
	5795	AP Computer Science	10,11,12		5980	Foods Unwrapped	9,10,11, 12
	5770/ 2	Robotics/Adv Robotics	9,10,11, 12		5985 V	Agricultural Business (virtual)	9,10,11, 12

	5791/2	Intro to Engineering	9,10,11,12		5983	Supervised Ag Experience	9,10,11,12
	5793/4	Principles of Engineering	9,10,11,12		5984	Veterinary Science	9,10,11,12
	5788V	Home Improvement (virtual)	9,10,11,12				
	5789	Advertising and Design	9,10,11,12				
	5731	Advanced Industrial Maintenance	11				
	5482	Intro to App Development	9,10,11,12				
	5481	App Development and Coding	9,10,11,12				

English Department

Learners must take and pass 4 credits.

**** Course does not count as core English credit for English graduation requirement**

5103 College Preparatory English - Grade 9 1 Credit

C.P. English 9 is a course of study with a Humanities focus and is closely connected and related to the topics in the 9th grade history course. This course is designed for learners who may plan to continue their education beyond high school. Learners will be required to complete a research paper, vocabulary practice through Vocabulary.com, and read several in-class novels and articles from Empower 3000.

5104 College Preparatory English - Grade 9 1 Credit

C.P. 9 is a course of study with a Humanities focus and is closely connected and related to the topics in the 9th grade history course. This course is designed for learners who plan to continue their education beyond high school. Learners will be required to complete a research paper, vocabulary practice through Vocabulary.com, and read several in-class novels and articles from Empower 3000.

5110 Honors English 9 - Grade 9 1 Credit

Honors English 9 is a rigorous course of study with a Humanities focus intended for learners who excel in English Language Arts. This course is closely connected and related to the topics in the 9th grade U.S. History course. Enrollment in this honors program is reserved for the top academic learners. Only learners who earn letter grades of either A or B in grades seven or eight, score in the advanced or proficient range on the PSSA reading and writing assessment, and earn the recommendation of their eighth grade English facilitator will be considered for this class. Learners will be required to

complete a research paper and vocabulary practice through Vocabulary.com. Required reading includes but is not limited to *To Kill a Mockingbird, Night, Romeo and Juliet*, and articles from Empower 3000. **There is a summer reading requirement for this course.**

5125 College Preparatory English - Grade 10 1 Credit

C.P. English 10 is a course of study with a standards-specific topics focus. This course is designed for learners who may plan to continue their education beyond high school. Learners will be required to complete a research paper, vocabulary practice through Vocabulary.com, and read several in-class novels and articles from Empower 3000.

5126 Honors English 10 – Grade 10 1 Credit

Honors English 10 is a rigorous course of study intended for learners who excel in CP or Honors English 9. Enrollment in this honors program is reserved for the top academic learners. Only learners who earn letter grades of either A or B in grade 9 English, score in the advanced or proficient range on the PSSA reading and writing assessment, and earn the recommendation of their ninth grade English facilitator will be considered for this class. Learners will be required to complete a research paper and vocabulary practice through Vocabulary.com. Required reading includes but is not limited to *Macbeth, Lord of the Flies,* and articles from Empower 3000. ***There is a summer reading requirement for this course.***

5127 College Preparatory English - Grade 10 1 Credit

C.P. English 10 is a course of study with a standards-specific topics focus. This course is designed for learners who plan to continue their education beyond high school. Learners will be required to complete a research paper, vocabulary practice through Vocabulary.com, and read several in-class novels and articles from Empower 3000.

5144 College Preparatory English - Grade 11 1 Credit

C.P. English 11 explores the development of literature in the United States through thematic study: individuals vs. society, dreams vs. disillusionment, freedom vs. imprisonment, and home and family. The course includes a vocabulary study through Vocabulary.com. Grammar studies and emphasis on speech and writing skills for exposition and analysis are also included in this course for the college-bound junior, as well as articles from Empower 3000. A research paper is required.

5143 College Preparatory English- Grade 11 1 Credit

C.P. English 11 explores the development of literature in the United States through thematic study: individuals vs. society, dreams vs. disillusionment, freedom vs. imprisonment, and home and family. The course includes a vocabulary study through Vocabulary.com. Grammar studies and emphasis on speech and writing skills for exposition and analysis are also included in this course for the college-bound junior, as well as articles from Empower 3000. A research paper is required.

5146/5146v Honors English 11 – Grade 11 (full year or VIRTUAL semester course) 1 Credit

Honors English 11 is a rigorous course of study intended for learners who excel in C.P. or Honors English 9 & 10. Enrollment in this honors program is reserved for the top academic learners. Only learners who earn letter grades of either A or B in grade 10 English, score in the advanced or proficient range on the Keystone Literature exam ~~state reading and writing assessments~~, and earn the recommendation of their tenth grade English facilitator will be considered for this class. Required reading includes but is not limited to *The Great Gatsby, The Crucible, and A Lesson Before Dying.* Learners will be required to complete a research paper, vocabulary practice through Vocabulary.com, independent reading, articles from Empower 3000, and several in-class novels. ***There is a summer reading requirement for this course.***

5166 Honors English 12 - Grade 12 (Full Year) 1 Credit

Honors English 12 is a rigorous course of study designed to build the interdisciplinary skills, knowledge, and understanding necessary to be successful when you leave Pequea Valley. Learners will work through projects, writings, and discussions designed to help them be successful in presentations, interviews, applications, writing projects, papers, and discussions. Required reading includes but is not limited to *Outliers, Life of Pi, and House on Mango Street.* The First Choice presentation will be an integral part of senior English as well as writing resumes, cover letters, mock interviews, research projects, and professional communication. ***There is a summer reading requirement for this course.***

5164 **College Preparatory English 12 - Grade 12 (Full Year)** **1 Credit**

C.P. English 12 is a course designed to build the interdisciplinary skills, knowledge, and understanding necessary to be successful when you leave Pequea Valley. Learners will work through projects, writings, and discussions designed to help them be successful in presentations, interviews, applications, writing projects and papers, and discussions. The First Choice presentation will be an integral part of senior English as well as writing resumes, cover letters, mock interviews, research projects, and professional communication.

5175 **Advanced Placement English Literature - Grade 12** **1 Credit *Weighted***

AP Literature and Composition is a college-level course designed for learners who are planning to further their education and enter a 4-year college degree program. This course encourages independent thinking and research through class discussion and written interpretation. It includes the reading and analysis of poems, short stories, dramas and novels from various periods. As recommended by the College Board Commission on Advanced Placement, the course emphasizes the development of the skills of critical analysis and the appreciation of literature that is rich in language and thought. A summer reading assignment is required before taking the course in August. Learners should have earned a B+ average in their 11th grade English class, score in the advanced or proficient range on the Keystone Exam in literature, and receive a recommendation by the department. Multiple analysis and research papers are a part of the course requirement. Learners are required to take the AP test in May or apply for credit through Harrisburg University during the first 4 weeks of school. This decision does not have to be made when you sign up for the course.

Option 1: College in the Classroom through Harrisburg University, taught at ~~PVHS~~ PVS:
Learners will take the course at ~~PVHS~~ PVS and be eligible for Harrisburg University of Science and Technology (HU) credit and high school credit. Learners will take the key assessments provided by HU. The cost for a HU three-credit course is $300 (minus $95 reimbursement from PV upon course completion). Learners will pay for the course after they receive their registration confirmation and credentials from HU. The application deadline will be November 1. HU charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway.

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Option 2: AP Literature and Composition:
Learners will take the course at ~~PVHS~~ PVS and be eligible for high school credit and possible college credit. Learners will take the AP Literature and Composition test in May. The cost for the AP Literature and Composition test is covered by PV.

English Electives

****5193v** **Creative Writing – Grades 9,10,11,12** **VIRTUAL** **.5 Credit**

This virtual course is designed for learners interested in exercising imagination and developing a writing style in poetry, short story, drama and/or personal essay. Learners will learn in an online atmosphere by reading, talking and writing, with assignments geared so that learners can work on the form of writing that most interests them. The goals are to develop self-confidence and self-expression and to improve writing competence.

Social Studies Department
Learners must take and pass 3 credits of social studies for graduation

Grade	College / Honors	Tech School / Career
9th	**Modern American History (mandatory)** *Street Law	**Modern American History (mandatory)** *Street Law
10th	**Modern World History (mandatory)** -See rotating electives (see below)	**Modern World History (mandatory)** -See rotating electives (see below)
11th	**Modern Civics** **AP U.S. History (rotates with APGOV every other year)** -See rotating electives (see below)	**Modern Civics** **AP American Government (rotates with APUSH every other year)** -See rotating electives (see below)
12th	**Recommended - AP U.S. History or APGOV** See rotating electives (see below)	**Recommended Electives below** See rotating electives (see below)

Below is a rotation list for electives and AP courses.

2024-2025	2025 -2026
*Psychology 1 *Street Law *History through Cinema AP US History (11th or 12th)	*Sociology *Street Law AP US Government (11th or 12th)

All asterisk* items are electives. ****Course does not count as core social studies credit for graduation requirement**

5200 **Modern American History (1900 - Present Day) - Grade 9** **1 Credit**

Understanding our past helps us make sense of the present. Modern American History explores the events of American history from the early 1900s to present day. We will learn about immigration, the economic progress and social problems of the early 19th century, the Great Depression, wars and conflict including the Spanish American War, WWI, WWII and the Cold War, the Civil Rights movement and beyond. The class combines reading, writing, class simulations, discussions, projects and presentations through the use of primary sources, non fiction texts and videos to understand historical context and connections across time and themes.

5220 **Modern Civics – Grade ~~10~~ 11** **1 Credit**

This course will combine key knowledge of government, basic economics and personal finance. The course will cover the American system of government looking at political parties, voting and elections, and the three branches of federal government. The course will also cover banking, taxes, fiscal policy, budgeting and the basics of supply and demand. Learners will examine current issues and events to make connections with the topics covered throughout the course.

5242 **Modern World History - Grades ~~11, 12~~ 10** **1 Credit**

Modern World History explores the key events and global historical developments since 1750 A.C.E. that have shaped the world we live in today. Some areas of study include global empires, revolutions, industrialization, imperialism and colonialism and how these will spark world wars and impact contemporary global issues. Learners will uncover patterns of behavior, identify historical trends and themes, and explore historical movements and concepts. The course will show connections between our lives and others around the world.

5275 Advanced Placement U.S. Government - Grades 11,12 1 Credit *Weighted*

The AP U.S. Government and Politics course provides students with an analytical perspective on government and politics in the United States. The course emphasizes both knowledge of key political institutions, processes, interactions, and behaviors, and the development of the skills necessary to critically analyze, interpret, and apply political data and arguments. Students learn to analyze primary and secondary sources, interpret data presented in tables and charts, apply political concepts and models, and craft evidence-based arguments. Advanced skills requiring a critical analysis of reading, research and writing will be emphasized and developed, with the goal of preparing the learner to succeed in post-secondary studies. **Learners are required to take the AP Government and Politics Exam in May.** Prerequisite: Successful completion of Honors ELA (B or higher final grade); teacher recommendation and a minimum grade of a B or better in his/her most recent, required Social Studies class. Learners must have taken 9th and 10th grade classes in order to advance to AP. **There are assignments that need to be completed during the summer prior to the start of the school year.**

~~**5280 History Through Cinema – Grades 10,11,12 *Retired for 26-27 School Year* .5 Credit~~

~~This half-year elective course will explore how historical events are portrayed through film. Historical movies will be viewed, interpreted and analyzed for historical accuracy. Film viewing, research on real life events, class discussion and projects will all be part of this course. Through the film viewing process, learners will dive into history and see how Hollywood has shaped our knowledge of the past.~~

5281 Psychology – Grades 10,11,12 *.5 Credit*

Psychology is the study of how the mind affects behavior. In this course you will learn an overview of psychology, the brain, how we think and learn, memory, personalities, motivation, emotions, group interactions and a short overview of developmental and abnormal psychology. Psychology I will give learners a better understanding of themselves and others. The course is a mix of independent and collaborative work, reading, videos, discussions, projects and presentations. ***This course will be offered every other year rotated with Sociology. Psychology will not be offered in the 2026-2027 school year.***

5282 Sociology for 2026-2027 .5 Credit

Sociology is the study of human society, focusing on social behavior, interaction, groups, and culture. In this course, students will explore foundational sociological concepts like socialization, deviance, social stratification, and the role of institutions such as family, education, and government. We will analyze contemporary social issues, examine various research methods used by sociologists, and develop a critical understanding of how social forces shape individual lives and collective experiences, ultimately providing a framework for analyzing the dynamic world around us. ***This course will be offered every other year rotated with Psychology.***

5285v Geography (virtual) – Grades 10,11,12 (summer only) .5 Credit

Geography is the study of the earth and its landforms and natural resources. Geography is also the study of a region's culture, history, politics and economies. This class covers North and South America, Asia, the Middle East, and Africa. To gain a better understanding of these regions we will study the landforms and physical territories and learn about their culture, history, economies and how they use their resources. This class is recommended for anyone going into a social studies career, an environmental science career, a military career, or anyone interested in learning more about the world.

5286 Street Law - Grades 9,10,11,12 .5 Credit

Combining history, current events, civics, and psychology, in this course we'll learn all about the American legal system. We will explore the foundations of law, criminal law, civil law, trials and court systems and the criminal justice system. Understand your civil rights, basic laws and common crimes. Follow the process of an arrest through a trial by jury and sentencing. Explore federal and local laws and famous crimes in history, analyze evidence, discover the psychology behind the "criminal mind," role play mock trials and so much more! The course includes a mix of reading, videos, discussions, projects and presentations in both independent and collaborative forms. This course is highly recommended for anyone considering studying or interested in criminal justice, law, business or the military.

Science Department
Learners must take and pass 3 credits of science for graduation

	Honors/Advanced	College/Tech School	Tech School/Career
9th Grade	**Chemistry/Physics/IED Part A (mandatory)**	**Physical Science/STEM (mandatory)**	**Physical Science/STEM (mandatory)**
10th Grade	**Biology/Bio Studies (mandatory)** Physics Chemistry I Astrophysics **Forensics	**Biology /Bio Studies (mandatory)** Chemistry I Physics **Forensics	**Biology/Bio Studies (mandatory)** **Forensics
11th Grade	**Recommended - AP Biology or Physics** Physics II Honors Environmental Science Chemistry II **Forensic Science (.5) Astrophysics	**Recommended - Physics I or Chemistry** **Forensic Science (.5) Environmental Science Honors Environmental Science	Environmental Science Chemistry
12th Grade	**Recommended any course below:** AP Biology Honors Environmental Science Physics II ** Forensic Science (.5) Chemistry II Physics Astrophysics	**Recommended - Physics 1 or Chemistry** Physics II Chemistry Chemistry II ** Forensic Science (.5) Environmental Science Honors Environmental Science Astrophysics AP Biology	Astrophysics Environmental Science Chemistry

Learners must take and pass mandatory courses, however, **they may also double up when desired and take additional science classes as their schedule allows.** They may move diagonally as needed with recommendation from a facilitator.

**** Course does not count as core science credit for science graduation requirement**

5301 Physical Science - Grade 9 ~~– Taught with STEM~~ .5 Credit

Physical science deals with energy, matter, and how the two interact. Topics such as the nature of science, energy, atomic structure, forces, momentum and impulse ~~forces, pressure, uniform motion, and accelerated motion~~ are examined in an attempt to describe and understand the basic laws that control the universe and how they are applied in the real world. ~~These topics will be integrated into project-based learning. A cross-curriculum approach will be used.~~ **(Mandatory for grade 9 learners not taking Chemistry/Physics)**

5320 Chemistry I – Grades 9*,10,11,12 1 Credit

This course is designed for learners planning to attend college. Learning Chemistry involves the recognition of patterns and the development of analytical skills. Using the Active Chemistry curriculum, this course incorporates topics such as the structure of matter, the periodic table, arrangement of electrons in atoms, chemical bonding, chemical formulas, balancing equations, acids and bases, and the mole concept. A major objective of the course is to prepare learners to collect, question and organize data through evidence analysis to arrive at a reasonable conclusion.

***9th grade learners selecting this course or Physics must also enroll in Part A of Introduction to Engineering.**
Prerequisite: Recommended C or better in ~~Biology and~~ Algebra I, or recommendation of 8th grade science facilitator.

5330 Chemistry II - Grades 10,11,12 1 Credit

This course uses the advanced placement chemistry guidelines and is designed for learners planning to major in science, engineering or medicine in college. Topics such as stoichiometry, gas law solutions, oxidation/reduction, thermodynamics, chemical equilibrium and organic chemistry are presented in considerable depth. The learner should be prepared to spend at least 2 hours in lab work and 5 hours per week in individual study. **Also offered as a Harrisburg University College in the Classroom option.**
Prerequisite: Recommended B or better in Chemistry I and facilitator recommendation.

Optional: College in the Classroom CHEM 151-152 General Chemistry I and Lab through Harrisburg University, taught at ~~PVHS~~ PVS:
Learners will take the course at PVHS and be eligible for Harrisburg University of Science and Technology (HU) credit and high school credit. Learners will take the key assessments provided by HU. The cost for a HU four-credit course is $400. Learners will pay for the course after they receive their registration confirmation and credentials from HU. The application deadline will be November 1. HU charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway.

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5340 Biology - Grade 10 (Mandatory for all 10th grade learners) 1 Credit

This course will prepare learners for the required Biology Keystone test given at the conclusion of this course. Biology is a three-dimensional course following STEELS standards designed to investigate the structure, function, and interconnectedness of living systems from the molecular level to global ecosystems. Students will move beyond memorization by actively engaging with real-world phenomena and challenging real-world problems to construct explanations and design solutions, mirroring the work of professional scientists and engineers. This course is taken in conjunction with Bio Studies in Ag Science.

~~Biology is a collective course that deals with many areas of the life sciences including, but not limited to, cell structure, life functions, genetics, and relationships between organisms and their environments. It will also prepare learners for the required biology Keystone tests given at the conclusion of this course. This course is taken in conjunction with Bio Studies in Ag Science.~~

5346 Environmental Science – Grades 10,11,12 1 Credit

Environmental science is an interdisciplinary study that integrates important concepts from biology, Earth science, physics, chemistry and social science. Learners will study the components of the ecosystem, how we interact with those components and what we can do to be better stewards of the environment. A key component of the course will be current environmental issues and their relationship to the geography of our world.

5347v Honors Environmental Science – Grades 10,11,12 VIRTUAL – 1 Semester 1 Credit

Honors Environmental Science is an interdisciplinary study that integrates important concepts from biology, Earth science, physics, chemistry and social science. Learners will study the components of the ecosystem, how we interact with those components and what we can do to be better stewards of the environment. A key component of the course will be current environmental issues and their relationship to the geography of our world. This course is offered for Honor Science learners. It has been designed to be a rigorous science course that stresses scientific processes and analysis. Blended and virtual courses require self motivation and organization.

****5350 Forensic Science – Grades 10,11,12 .5 Credit**

Learners study techniques and applications of this popular and steadily growing field of science. The course demonstrates how concepts from math, chemistry, biology, physics, psychology, and Earth science are utilized to solve crimes. Units will include trace evidence, fingerprinting, DNA profiling, blood-typing/splatter, and death/decomposition.

5364 Physics I Grades 9*,10,11,12 1 Credit

Physics deals with energy and matter and how the two interact. Topics such as force and motion, heat and the physical behaviors of matter are examined in an attempt to describe and understand the basic laws that control the universe. The

facilitators use a variety of instructional techniques including laboratory exercises. Prerequisite: A grade of C or better in Algebra II or permission of the facilitator.

***9th grade learners selecting this course or Chemistry must also enroll in Part A of Introduction to Engineering.** Prerequisite: Recommended C or better in ~~Biology and~~ Algebra I, or recommendation of 8th grade science facilitator.

5372 Physics II Grades 11,12 1 Credit

This course is designed for those learners who have completed Physics I and have a desire to do further study. It is especially suitable for those learners contemplating post-high school studies in physics or engineering. Topics covered include light, sound, electricity, magnetism and nuclear science. A recommended grade of C or better in Algebra II or permission of the facilitator is a prerequisite and additional math courses are recommended. Science Fair is an option for learners in this course.

5373 AP Physics I - Grades 11,12 1 Credit *Weighted*

The AP Physics I course is an algebra based course that covers topics including kinematics, dynamics, circular motion, gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. Learners are required to take the AP Physics I exam at the end of the school year. This course is similar to a College Level semester course of Physics. Prerequisites: Recommended B or better in Physics I and Algebra II.

5374 AP Biology: Advanced Biology - Grades 11,12 1 Credit *Weighted*

Also offered as a Harrisburg University College in the Classroom option. This course offers an intensive and detailed examination of topics such as biochemistry, cell anatomy and physiology, genetics, DNA technology, diversity among organisms, and ecology. It will include required AP labs and may also include research and reading literature in related fields of study. Learners are required to take the course as a part of the College in the Classroom requirements, or take the AP Biology exam in May. This course is recommended for learners with a strong interest in biochemistry, medicine, agriculture, conservation, and related biology fields. This is an advanced course and is on par with a college, level I, Biology course. Prerequisites: Recommended a B in both Chemistry and Biology or permission of the instructor.

There are two options for taking this course. Learners will commit to an option four weeks into the school year in writing and with parental signature.

Option 1: College in the Classroom Biology 102 through Harrisburg University, taught at ~~PVHS~~ PVS:
Learners will take the course at ~~PVHS~~ PVS and be eligible for Harrisburg University of Science and Technology (HU) credit and high school credit. Learners will take the key assessments provided by HU. The cost for a HU four-credit course is $400. Learners will pay for the course after they receive their registration confirmation and credentials from HU. The application deadline will be November 1. HU charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway.

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Option 2: AP Biology:
Learners will take the course at ~~PVHS~~ PVS and be eligible for high school credit and possible college credit. Learners will take the AP Biology test in May. The cost for the AP Biology test is $96 with possible reduction for learners who qualify for free/reduced lunch.

5376 Astrophysics – Grade 10,11,12 1 Credit
Discover and understand what you are looking at when you stare at the stars. Observation skills and tactics using equipment such as the naked eye, binoculars, and telescopes will be taught. Learners will also develop an understanding of how the universe works on a large scale. Units of study include planets, moons, comets, asteroids, stars, galaxies, dark matter, black holes, and relativity. The planetarium will serve as a laboratory for parts of the course.

Science Department Note: Learners should be aware that public or nonpublic school learners from kindergarten through grade twelve may choose an alternative assignment other than dissecting, vivisecting, capturing or otherwise harming or destroying animals, or any parts thereof, as part of their course.

Mathematics Department
Learners must earn 4 math credits in order to graduate.

	Honors/Advanced	College/Tech School	Tech School/Career
9th Grade	**Honors Algebra II & IED Honors Geometry AP Pre-Calculus**	**Algebra I Algebra II**	**Pre-Algebra Algebra I**
10th Grade	**Honors Geometry AP Pre-Calculus Statistics AP Calculus AB**	**Algebra II Geometry**	**Algebra I Algebra II**
11th Grade	**AP Calculus AB AP Calculus BC AP Pre-Calculus Statistics Calculus AP Statistics**	**Geometry AP Pre-Calculus Statistics**	**Algebra II Geometry Math Connections**
12th Grade	**AP Calculus AB or BC Calculus Statistics AP Statistics**	**Calculus Statistics AP Statistics**	**Math Connections Statistics**

5401 Pre-Algebra – Grades 9,10,11,12 1 Credit

This course is designed to reinforce and extend pre-algebra skills, giving learners added time to master the skills that are the foundation of all mathematics courses at the high school. Topics include working with rational numbers and expressions, and solving equations and inequalities. An introduction to linear functions and their graphs, along with probability and statistics will be incorporated as well. Math software will be used to provide individual instruction, extend topics, and provide remediation.

5400 Algebra I – Grades 9,10,11,12 1 Credit

This course is designed to meet the math needs of learners in the 21st Century. Topics include the study of operations with real numbers and expressions, linear equations, functions, ~~and coordinate~~ geometry, and data analysis. Learners will be prepared to take the Algebra 1 Keystone Exam at the completion of this course. Math software will be used to provide individual instruction, extend topics, and provide remediation.

5410 Honors Algebra II - Grades 8,9,10 1 Credit

This rigorous course is designed to prepare learners that plan to attend a four-year college. After a brief review of linear equations and systems of linear equations and inequalities, learners will study quadratic functions, polynomial functions,

radical functions, exponential functions and rational functions. A graphing calculator is strongly recommended. Prerequisite: Based on passing the Algebra 1 Keystone exam and 8th grade facilitator recommendation.

5420 Algebra II - Grades 9,10,11,12 1 Credit

This course is designed to provide a continuation of Algebra 1 topics. Topics include a review of linear equations, inequalities, systems of equations, quadratic equations, polynomials and exponential functions. Math software will be used to provide individual instruction, extended topics, and remediation. Prerequisite: Algebra I

5424 Honors Geometry - Grades 9,10,11 1 Credit

This rigorous course is designed to prepare learners that plan to attend a four-year college. This course uses algebra skills to study deductive reasoning and the need for precision of language along with the concepts, properties and applications of lines, angles, triangles and quadrilaterals. Math software will be used to provide individual instruction, extend topics, and remediation. Prerequisite: Recommended C average in Honors Algebra II or facilitator recommendation.

5430 Geometry – Grades 10,11,12 1 Credit

This course focuses on building the learner's reasoning and logical thinking skills through the study of shapes. It provides the learner with a basic understanding of the structure of geometry, deductive reasoning, and the need for precision in the language of mathematics. Math software will be used to provide individual instruction, extend topics, and remediation. Topics include the concepts, properties and applications of lines, angles and triangles. Prerequisite: Algebra I

5465 AP Pre-calculus - 9, 10, 11, 12 1 Credit

This rigorous course is designed to prepare learners to attend a four-year college. This is an excellent course for first-time AP learners. All learners will be required to take the AP exam in May. By taking AP Precalculus, learners can better prepare to take calculus in college or high school, avoid college remedial classes, and in some cases earn college credit. Some non-math majors could fulfill all their college math credits by taking this course. Topics of study include: polynomial, exponential, rational, logarithmic, trigonometric, and polar functions. Prerequisite: Algebra 1, Algebra 2, and Geometry

5460 Statistics – Grades 10,11,12 1 Credit

This course is designed to help learners analyze real world data, draw conclusions, and make statistical inferences. Topics include descriptive statistics, sampling and experimentation, probability, normal distributions, confidence intervals, and hypothesis testing. Prerequisite: Successful completion of Algebra II.

5464 AP Statistics – Grades 11,12 1 Credit *Weighted Grade Course*

Also offered as a Harrisburg University College in the Classroom option. This rigorous yearlong course is designed to provide a background in statistics for learners planning to attend a four-year college. Topics include exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Learners are expected to have good reading, writing, and reasoning skills. There are assignments that need to be completed during the summer prior to the start of the school year. Learners are required to take the course as a part of the College in the Classroom requirements, or take the AP Statistics exam in May. A graphing calculator is required. Prerequisite: B in Honors Algebra II or Pre-calculus.

There are two options for taking this course. Learners will commit to an option four weeks into the school year in writing and with parental signature.

Option 1: College in the Classroom Statistics through Harrisburg University, taught at ~~PVHS~~ PVS:
Learners will take the course at ~~PVHS~~ PVS and be eligible for Harrisburg University of Science and Technology (HU) credit and high school credit. Learners will take the key assessments provided by HU. The cost for a HU three-credit course is $300. Learners will pay for the course after they receive their registration confirmation and credentials from HU. The application deadline will be November 1. HU charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway.

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Option 2: AP Statistics:
Learners will take the course at ~~PVHS~~ PVS and be eligible for high school credit and possible college credit. Learners will take the AP Statistics test in May. The cost for the AP Statistics test is $96 with possible reduction for learners who qualify for free/reduced lunch.

5470 Calculus - Grades 11,12 **1 Credit**

This challenging course is designed to meet the needs of learners in the 21st Century. Learners will receive exposure to the study of calculus, but will not be prepared for the AP Calculus exam. Topics include limits, continuity, derivatives, and integrals. The use of a graphing calculator will be a major part of this course. Prerequisite: Recommended C average in Pre-calculus.

5475 AP Calculus AB – Grades 10,11,12 **1 Credit *Weighted***

~~This rigorous yearlong course is designed to prepare learners who plan to attend a four-year college majoring in mathematics or the sciences, including engineering and medicine. Learners will be required to do an average of 1 - 2 hours of homework per night. Topics include limits, continuity, derivatives, and integrals. Learners are required to take the AP Calculus Exam. A graphing calculator is required. Prerequisite: Recommended C average in Enriched Pre-calculus or facilitator recommendation from Pre-calculus.~~

Also offered as a Harrisburg University College in the Classroom option. This rigorous yearlong course is designed to prepare learners who plan to attend a four-year college majoring in mathematics or the sciences, including engineering and medicine. Learners are required to take the course as a part of the College in the Classroom requirements, or take the AP Calculus exam in May. Learners will be required to do an average of 1 - 2 hours of homework per night. Topics include limits, continuity, derivatives, and integrals. Learners are required to take the AP Calculus Exam. A graphing calculator is required. Prerequisite: Recommended C average in Pre-calculus or facilitator recommendation from Pre-calculus.

There are two options for taking this course. Learners will commit to an option four weeks into the school year in writing and with parental signature.

Option 1: College in the Classroom Calculus through Harrisburg University, taught at PVS:
Learners will take the course at PVHS and be eligible for Harrisburg University of Science and Technology (HU) credit and high school credit. Learners will take the key assessments provided by HU. The cost for a HU three-credit course is $300. Learners will pay for the course after they receive their registration confirmation and credentials from HU. The application deadline will be November 1. HU charges learners $100 per credit - all fees are payable directly to Harrisburg University when learners apply for that pathway.

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Credits may be transferred to other higher education institutions outside of Harrisburg University according to their institutional credit transfer guidelines. It is the responsibility of the learner to research the best option for their future.

Option 2: AP Calculus:
Learners will take the course at PVS and be eligible for high school credit and possible college credit. Learners will take the AP Calculus AB test in May. The cost for the AP Calculus test is $96 with possible reduction for learners who qualify for free/reduced lunch.

5477 AP Calculus BC – Grades 11,12 **1 Credit *Weighted***

This rigorous yearlong course is an extension of the AP Calculus AB course and is designed to prepare learners who plan to attend a four-year college majoring in mathematics or the sciences, including engineering and medicine. Learners will be required to do an average of 1 - 2 hours of homework per night. Additional topics include parametric and polar functions, sequences, and series. Learners are required to take the AP Calculus Exam. A graphing calculator is required. Prerequisite: Recommended C average in AP Calculus AB or facilitator recommendation from AP Calculus AB.

5484 Math Connections – Grades 11,12 **1 Credit**

This course is designed to strengthen algebraic and geometric concepts. Learners will explore how math is applied in various real-world careers. This course is designed for learners who will be attending a technical school or for those who

intend to enter the workforce immediately following graduation. Math software will be used to provide individual instruction, extend topics, and remediate learning. Prerequisite: Facilitator Recommendation

World Language

German and Spanish are sequential courses beginning in grade 9. It is recommended that learners earn a grade of C or better to move from one level to the next.

In Spanish, following level 2, learners will have the opportunity to select .5 credit courses to improve their language skills in different areas. These Spanish courses, indicated with an *, replace the Level 3 and 4 courses and are offered on a rotating basis.

~~2025-2026~~ 2026-2027	~~2026-2027~~ 2027-2028
~~German 1 (Novice)~~ ~~German 2 (Novice)~~ ~~German 3 (Intermediate)~~ ~~German 4 (Intermediate)~~ ~~Spanish 1 (Novice)~~ ~~Spanish 2 (Novice)~~ ~~Spanish Language & Society (Intermediate/Fall Semester)~~ ~~Spanish Film and Media (Intermediate/ Spring Semester)~~ German 1 (Novice) German 2 (Novice) German 3 (Intermediate) German 4 (Intermediate) Spanish 1 (Novice) Spanish 2 (Novice)	~~German 1 (Novice)~~ ~~German 2 (Novice)~~ ~~German 3 (Intermediate)~~ ~~German 4 (Intermediate)~~ ~~Spanish 1 (Novice)~~ ~~Spanish 2 (Novice)~~ ~~Spanish Conversation (Intermediate/Fall Semester)~~ ~~Spanish Language & Literature (Intermediate/ Spring Semester)~~ German 1 (Novice) German 2 (Novice) German 3 (Intermediate) German 4 (Intermediate) Spanish 1 (Novice) Spanish 2 (Novice) Spanish Language & Society (Intermediate/Fall Semester)

Spanish Conversation (Intermediate/Fall Semester) Spanish Language & Literature (Intermediate/ Spring Semester)	Spanish Film and Media (Intermediate/ Spring Semester)

5500v German I (Novice) – Grades 9,10,11,12 1 Credit

This beginner-level course develops learners' interpretive, interpersonal, and presentational communication skills. Learners will learn to communicate about very familiar topics pertaining to everyday life. They will be able to present information about themselves and engage in simple conversation. Learners will be able to demonstrate an understanding of the relationship between the practices and perspectives of the culture studied. This course will be offered virtually.

5510 Spanish I (Novice) – Grades 9,10,11,12 1 Credit

This beginner-level course develops learners' interpretive, interpersonal, and presentational communication skills. Learners will learn to communicate about very familiar topics pertaining to everyday life. They will be able to present information about themselves and engage in simple conversation. Learners will be able to demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.

5520 German II (Novice) – Grades 10,11,12 1 Credit

This level continues to build on learners' interpretive, interpersonal, and presentational communication skills. Learners will learn to communicate and exchange information on familiar topics about themselves and life in the German-speaking world. Learners will continue to demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.

5530 Spanish II (Novice) – Grades 10,11,12 1 Credit

This level continues to build on learners' interpretive, interpersonal, and presentational communication skills. Learners will learn to communicate and exchange information on familiar topics about themselves and life in the Spanish-speaking world. Learners will continue to demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.

5540v German III (Intermediate - Low) - Grades 11, 12 1 Credit

Building on the skills acquired in German 1 and 2, German 3 at the Intermediate Low level focuses on advancing learners' language proficiency and cultural understanding. This course allows learners to engage in extended conversations, discuss a broader range of topics, and express themselves with greater fluency and accuracy. Learners will also develop their ability to comprehend and analyze authentic German texts while honing their presentation and discussion skills. This course will be offered virtually.

***5553 Spanish Conversation (Intermediate) - Grades 11,12 (Fall/Winter) .5 Credit**

This is an advanced conversation course designed for learners who want to improve their communicative abilities in Spanish. Learners will participate in a variety of interactive small and large group activities that are designed to improve their conversational skills and their practical knowledge about culture and language. Learners will participate in communicative activities such as: dialogues, conversations, interviews, group discussions, and presentations. Prerequisite: Spanish II

***5554 Spanish Language and Literature (Intermediate) – Grades 11,12 (Winter/Spring) .5 Credit**

This is a literature course where learners are introduced to a variety of authentic writings in Spanish. Works will be chosen by genre such as fables, fairy tales, short stories, plays, and graphic novels. Learners will improve their language skills by reading, discussing, and writing about the works covered in the course. Prerequisite: Spanish II

5560v German IV (Intermediate - Mid) – Grade 12 1 Credit

German 4 at the Intermediate Mid level builds upon the language and cultural proficiency developed in German 3. This course emphasizes greater fluency, accuracy, and independence in communication and prepares learners for advanced studies or practical use of the German language in real-world contexts. Learners will refine their interpretive, interpersonal, and presentational communication skills by engaging in more complex communication on a variety of topics. This course will be offered virtually.

Wellness Education Department
Learners must take and pass 1.5 credits

5630 Lifetime Fitness – Grades 9,10,11,12 .5 Credit

This course is a semester elective for physical education. The focus of this course is ways to improve fitness and take care of the body. Areas of study include: aerobic and anaerobic training, anatomy and physiology of exercise, different types of training, health and skill-related fitness, and creating and maintaining a personal fitness plan. Fitness will be assessed and tracked on a weekly basis. This course is for a learner who enjoys improving and maintaining physical health.

5660 Anatomy and Physiology Grades 10,11,12 .5 Credit

Learners interested in pursuing the medical field, biology, athletic training, physical education, health education, or any other field related to the human body will benefit from this course. The class will take an in-depth look at the structure and function of the human body. The course encourages the integration of health and physical education concepts, as learners will see the relevance of physical fitness.

5663 Intro to Health Careers – Grades 10,11,12 .5 Credit

This course is a one semester elective for learners in grades 10,11,12. Learners will receive their American Red Cross First Aid/AED/CPR Certification. They will learn basic patient care, how to take a medical history, and vital signs. Learners will explore a variety of career options in the healthcare field, focusing on education and career requirements.

5656 Wellness Health and PE 9 .5 Credit

This course will help the learner understand the relationships between health and physical education. Health topics include: mental and emotional health, tobacco, alcohol and drugs. PE topics include: basics of exercise, fitness center certification, movement concepts, and fitness assessment. The course will be taught using a wellness approach and satisfies a .25 health credit and a .25 PE credit towards graduation requirements.

5657 Wellness Health and PE 10 .5 Credit

This course will help the learner understand the relationships between health and physical education. Health topics include: health skills, relationships and sex education. PE topics include: health and skill-related fitness, improving fitness, types of training, assessing fitness and workout design. The course will be taught using a wellness approach and satisfies a .25 health credit and a .25 PE credit towards graduation requirements.

5658 Wellness through Sport/Games – Grades 9,10,11,12 .5 Credit

This course is a semester elective for physical education. The focus of this course is using competition and cooperation to improve wellness. The learners will be divided into teams that will earn points by completing daily tasks. The teams will compete in different sports, games and challenges. Each team will also be responsible for content assessments. A learner should only take this course if he or she enjoys competition.

5659 Adventure Education – Grades 9,10,11,12 .5 Credit

This course is a semester elective for physical education. The focus of this course is team building, survival skills, outdoor activities and outdoor fitness. Activities include: cooperative challenges, geocaching, camping and hiking skills, and a variety of survival skills. Practical skills include using a compass, tying knots, creating a shelter, filtering water and starting a fire. This course is for the learner that wants an alternative to traditional physical education.

5706 Nutrition & Wellness - Grades 9,10,11,12 .5 Credit

This course is designed as an introduction to the current knowledge and basic concepts of nutrition. Aspects include the uses of nutrients in the body, needs for different ages, and the sources of nutrients in food for individual and family needs. With obesity remaining a national and local issue, optimal diet and food choices to promote healthy living and prevent disease will also be a central idea surrounding the course. In addition to healthy diets, it is also pertinent to study the impact of harmful eating patterns. This can be accomplished through the evaluation of specific diets and other nutritional information. Basic knowledge and learning a healthy diet are important to being a nutritionally sound person, but it is also important to link the additional benefits fitness adds to improving a person's health. This course will show learners the role nutrition and fitness play in health.

5664 Mindfulness - Grades 9,10,11,12 .5 Credit

This course allows learners to deal with stress by utilizing the techniques of mindfulness. Mindfulness teaches individuals to focus attention, present moment awareness and practice non-judgmental kindness. They will also learn skills to utilize the power of the mind-body connection to improve wellness. Taking care of one of our most precious commodities, our brain, through a variety of skills and habits will be addressed in the course. This course is for learners who want to improve their wellness using techniques that connect their bodies and brains.

5667 Self-Discipline and Situational Self-Defense Skills - Grades 9,10,11,12 .5 Credit

This course is a semester elective for physical education. The course is designed to make you more aware, prepared, and ready for any situation that you may need to protect yourself. Learners learn self-protection, evading and escaping techniques. This course is designed to teach empowerment, so each of the learners has the confidence to protect and to defend themselves. The nature of self-defense should be calming and reassuring. The learners are taught self-confidence through conflict resolution, self-defense approaches, and mental, physical and emotional skills that can be applied to daily challenges. Mental, physical and emotional discipline skills are enhanced through this course.

Need # Applied Sport Performance - Grades 11,12 .5 Credit

This advanced elective is designed for student-athletes who want to elevate their physical performance and prepare for the demands of high-level competition. The course focuses on building **strength**, **speed**, **power**, and **overall resilience**, helping athletes become more explosive, durable, and confident in their sport. Students will learn and train through evidence-based methods, including strength training, plyometrics, speed and agility development, mobility work, and recovery strategies. Emphasis is placed not only on physical development but also on understanding proper technique, injury-prevention habits, and the mental discipline needed for long-term success.

By the end of the course, athletes will: increase total-body strength and power output, Improve linear speed, acceleration, and change-of-direction ability, develop sport-specific conditioning and durability, build healthy training routines and recovery strategies, gain confidence in their athletic performance and movement quality. Whether preparing for a varsity season, club competition, or collegiate athletics, this course equips students with the tools to become **stronger, faster, and more resilient athletes**.

Technology Education Department

5730 Woodworking 1 - Grades 9,10,11,12 .5 Credit

The course will involve instruction on hand and power woodworking tools and equipment. Safety will be a course emphasis. Project work will be reinforced with demonstration and lectures as the need arises. The main objective of the course will be learning through the construction of required projects and subsequent learner selected projects. Emphasis will be on developing basic skill levels to enable more advanced work in future courses.

5732 Woodworking 2 - Grades 9,10,11,12 .5 Credit

This course will focus on projects that will ensure levels of experience necessary for current and future woodworking course success. Safety will be emphasized throughout the course. Learners should be able to work independently. Prerequisite: Woodworking I.

5733 Woodworking 3 – Grades 10,11,12 .5 Credit

The focus of this course is the art of using hand tools. Learners will use a combination of palm chisels, flat chisels, and hand planes to help shape their projects. The learners will make a scribe tool for laying out dovetails. They will construct a bandsaw box and use palm chisels to embellish the exterior of the box. The culminating activity will be an Enfield Cupboard (an iconic shaker cabinet) with hand cut dovetails.

5734 Woodworking 4 – Grades 10,11,12 .5 Credit

The focus of the course is cabinetry. Class discussion will be based on fundamental concepts in cabinet construction and design principles. Learners will learn the proper joinery used in case construction including: construction of a face frame, raised panels, and the joinery associated with cabinetry. The culminating activity will be the design and construction of a cabinet. Examples of these projects could include: entertainment center, gun cabinet, blanket chest, and chest of drawers.

5750 Digital Electronics - Grades 9,10,11,12 Part A .5 Credit

Digital Electronics - Part A, is a course where learners will be introduced to basic electronic concepts and components. Throughout the course learners will learn about advancements in circuits and circuit design that have shaped the world of digital electronics. Learners will be able to clearly describe electrical circuits, voltage, current, resistance, series and parallel circuits, Ohm's law, and how to use a digital multimeter. Learners will be introduced to common components such as resistors, capacitors, light emitting diodes (LEDs), seven-segment displays, combinational logic gates, and sequential logic gates. Learners will explore the creation of circuits with components and how to simplify these circuits to implement more efficient designs.

5751 Digital Electronics - Part B (Must take part A before B) .5 Credit

After completing a series of guided foundational activities learners will apply the combinational logic design process to develop a Control Circuit. This process will walk the learners through the steps required to transform a set of written design specifications into a functional combinational logic circuit. Learners will design, simulate, and breadboard a circuit that displays their unique design. After successful completion of this course learners will have the opportunity to test to earn 3 college credits.

5758 Architectural Drafting and Design I - Grades 9,10,11,12 .5 Credit

The course will introduce learners to basic principles of residential design using a problem solving approach to learning. The class will examine highlights from history to draw conclusions involving current design concepts. The class will design, draw, and build solutions to stated problems related to different aspects of architecture. The learners will work in teams to solve stated problems related to an area of study. During the latter portion of the class the learners will design and draw the plans for their chosen style to fit into a neighborhood setting.

5759 Architectural Drafting and Design II - Grades 9,10,11,12 .5 Credit

This course will allow the learners to further their foundations in architectural design and communications. The course focuses on a team approach to problem solving. The learners will enhance their background in interior design and exterior planning while working in specialized residential design. The learners are encouraged throughout the course to stretch

their imagination and push the design envelope to new limits. This is stressed in the completion of an architectural model to a given problem. Prerequisite: Architectural Drafting and Design I.

5762 ~~**Graphic Communications - Grades 9,10,11,12**~~ **Name change and description See below** **.5 Credit**

~~Graphic communications will focus on computer illustration as a vehicle to produce and print various graphics. Adobe Illustrator will be extensively utilized during the course to render two-dimensional and three-dimensional computer illustrations. Learners will also experience the process of screen-printing as they use their computer skills to produce projects including t-shirts. The problem-solving model will support the project-based curriculum to provide learners with an authentic and individualized learning experience.~~

5765 **Digital Design & Media** (formerly graphic communications) **Grades 9,10,11,12** **.5 Credit**
Bring your ideas to life with *Adobe Photoshop, Illustrator,* and *InDesign*! *Photoshop* lets you edit and enhance photos or create cool digital art, *Illustrator* helps you design logos, icons, and illustrations that can be scaled to any size, and *InDesign* is perfect for laying out magazines, posters, or multi-page projects. In this hands-on course, you'll turn your digital designs into real projects like stickers, posters, and t-shirts. Along the way, you'll learn how creativity, color, and problem-solving come together to build your own style and portfolio of original work.

~~**5764** **Graphic Arts II - Grades 9,10,11,12**~~ **Name change and description See below** ~~**.5 Credit**~~

~~Learners will expand their knowledge gained in Graphic Communications while diving deeper into the potential careers relating to the field. The course will further develop the learners' knowledge of the offset press as well as design programs such as Adobe InDesign and Illustrator. The class will consist of group-oriented projects as well as individual research-based projects and will conclude with researching and reproducing a learner-selected, commercially printed product. It is also required for all individuals to create a professional portfolio presenting all the work accomplished during the semester.~~

5766 **Digital Design & Media II** (formerly Graphic Arts 2) **Grades 9,10,11,12** **.5 Credit**

Take your digital design skills to the next level! In this course, you'll dive deeper into *Adobe Photoshop, Illustrator,* and *InDesign*, learning advanced techniques to create professional-quality graphics, multi-page layouts, and digital art. You'll tackle more complex projects like branded merchandise, posters, social media graphics, and digital publications, while experimenting with your own creative ideas.
This course emphasizes creative problem-solving, collaboration, and real-world design challenges, giving you the chance to refine your style and build a strong portfolio. By the end, you'll have a collection of polished projects that could be used for school, college applications, or even freelance opportunities.

5767 **Advanced Photography Techniques – Grades 9,10,11,12** **.5 Credit**

Advanced Photography Techniques develops the skills previously learned in Digital Photography by introducing the professional abilities of Adobe Photoshop. Learners will capture and manipulate original images through the use of digital SLR cameras. Features such as shutter speed and aperture will be utilized to produce creative images to be further enhanced in Adobe Photoshop. Other topics covered in the class include studio photography, macro photography, panning, commercial photography, and nature photography. Learners will also be given the opportunity to experience film photography through a unit dedicated to traditional black and white photography. All class work will be professionally displayed through photography portfolios and large format printing. Cameras are supplied to the learners. Learners must pass Digital Photography with a C or better prior to taking this class.

5768 **Digital Photography – Grades 9,10,11,12** **.5 Credit**

Photography has become part of our everyday life. From the pictures we share with friends and family on social media to the huge collections of photos saved on our cell phones to capture and remember our important moments. Although technology has produced amazing cameras in the cell phones we carry each day, technology has not replaced the need to develop a photographer's eye to capture and produce amazing images. Today we are taking more pictures than ever before, but can improve the images we share with others by learning a few basic rules of composition as well as creative photo editing techniques. This class will enable learners to take engaging pictures while providing them with tools to edit and improve images using the latest in professional image editing software. Go beyond the capabilities of simple photo filters to learn how to enhance and manipulate your images to match your individual creative vision and style. Through hands-on activities, learners will learn how to compose a quality photograph, manipulate images using Photoshop, create digital layouts with basic design, and explore various means of printing the final product as a work of art! This course will encompass technical skills as well as a creative eye, making it the perfect class for any learner that wants to become a better photographer!

5770 Robotic Systems and Programming – Grades 9,10,11,12 .5 Credit

Learners will study the past, present, and future development of robotics technology. Learners will be able to design, build, program, and test robotic devices to reinforce classroom principles. Radio controlled technology will be a major topic. Learners will learn how transmitters send and receive signals and how to program a transmitter. Learners will also gain an introduction to autonomous programming.

5772 Advanced Robotic Systems – Grade 9,10,11,12 .5 Credit

This course is an extension of the basic programming and engineering concepts discussed in Robotics Systems. Advanced autonomous programming sensors, and Engineering design are the main focus. Robotic functions in the form of Servos, sprockets, gears, and treads will be used. Light and tracking sensors, potentiometers, and advanced programming techniques will also be used in the design of robotic systems. Prerequisite: Recommended C or better in Robotic Systems and Programming 5770.

~~**5788v Home Improvement – Grades 9,10,11,12 VIRTUAL .5 Credit**~~

~~The home improvement course will be designed to offer learners interested in someday owning their own homes a general understanding of residential maintenance. The course will cover all the major systems of a home and describe how to maintain each system. Topics covered will include: basic electrical work, plumbing, drywall, cutting molding, hanging doors, interior and exterior painting, installing flooring, window maintenance, water drainage, and roof care. Each section will include videos and worksheets along with hands-on learning experiences for learners to work through. At the conclusion of the course, learners will have a better understanding of how to safely maintain their future homes. Blended and virtual courses require self motivation and organization. Enrollment in this course is subject to administration and department head approval.~~

5789 Advertising and Design – Grades 9,10,11,12 .5 Credit

Advertising and Design introduces learners to the useful skills and techniques required to design various printed documents. Learners will be able to complete the hands-on projects while working at their own pace. The class also familiarizes learners with the growing field of Desktop Publishing. During the course, learners will gain the skills and knowledge used to design appealing and creative documents through the use of their personal computer. Adobe InDesign will also be introduced during the course to provide learners the opportunity to use professional software to solve industry-based problems. Typical projects may include producing a calendar, a brochure, a resume, and an original advertising scheme. Reviewing common desktop publishing design concepts such as the design principles and typography will enhance the artistic level of the assignments while teaching learners how to produce engaging designs to capture an audience's attention. Learners will leave Advertising and Design with the ability to produce useful documents through various printing techniques.

5790 STEM – Science, Technology, Engineering, & Math - Grade 9
(Mandatory for all 9th grade learners taking Physical Science) .5 Credit

STEM 9 is for all ninth grade learners to provide relevance to math and science concepts through hands-on, project-based learning. The course will be taught in conjunction with Physical Science. Learners will participate in design-based projects utilizing the application of mathematical, scientific, and technological concepts in a discovery-learning environment. Topics may include alternative energy, electrical systems, transportation technologies, and structural engineering processes.

5791/5792 Introduction to Engineering Design (IED) - Grades 9,10,11,12
(Part A mandatory for 8th and 9th grade learners taking Honors Algebra 2) Part A .5 Credit, Part B .5 Credit

Introduction to Engineering Design is an advanced STEM class intended for learners looking for the next step in their STEM education. Learners dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. AutoDesk Inventor 3D computer-aided drafting software will be utilized to develop solutions to real-life industrial applications throughout the class. **This class is divided into two semester courses that may be registered for separately. Part B can be completed before part A**

5793/5794 Principles of Engineering (POE) - Grades 9,10,11,12 Part A .5 Credit, Part B .5 Credit

Through problems that engage and challenge, learners explore a broad range of engineering topics, including mechanisms, the strength of structures and materials and automation. Learners develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration and presentation. This class is designed to introduce learners to the world of engineering and physical sciences while refining problem solving abilities. Learners will be challenged by the rigor associated with engineering content while building the foundation for other technical and scientific topics. **This class is divided into two semester courses that may be registered for separately.**

****5482 Introduction to App Development – Grades 9,10,11,12 .5 Credit**

There is no prior computer programming experience necessary for this course that introduces learners to Apple's Swift playground and their programming language XCode. This course will utilize Apple's Everyone Can Code curriculum.

****5483 App Development and Coding – Grades 9,10,11,12 .5 Credit**

Learners will build on the prior knowledge from the Introduction to App Development course to develop their own apps that will be runnable on their iPhones or iPads. Other programs will involve the computer programming languages C++ and Java. Prerequisite: Successful completion of Intro to App Development or other equivalent computer programming experience.

Need number Aviation .5 credit

This course is designed to introduce learners to a variety of basic skill sets in aviation science and flight operations. Learners will gain experience with aerodynamics, aircraft systems, weather, navigation, and aviation safety through classroom instruction and hands-on flight experiences using a computer-based aircraft simulator. This is a project-based course in which learners fly virtual aircraft, practice takeoffs and landings, plan routes, and complete realistic flight scenarios that relate directly to the concepts learned in the classroom. Learners will also engage in aircraft modeling activities to further explore how airplanes are designed and built. The course may include opportunities for visits to a local airport or aviation-related facilities. The course provides exposure to Federal Aviation Administration (FAA) Private Pilot Airman Knowledge (written) exam content for learners interested in further aviation study.

Prerequisites: Algebra 1

5795 AP Computer Science Principles (1 Year/1 Credit) – Grades 10,11,12 1 Credit *Weighted*

Computer Science Principles introduces learners to a variety of foundational computer science concepts such as coding, data management, and mobile development. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking while generating excitement about the growing field of computer science. The class will also expose learners to the computer science industry and introduce professional tools to foster creativity and collaboration. Computer Science Principles helps learners develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, and cybersecurity. The hands-on projects and simulations will engage learners while teaching how to think through relevant computer-based problems. The class was created by Project Lead the Way to be aligned to the AP standards and the AP Computer Science Principles assessment. This curriculum alignment and partnership ensures learners are prepared for the AP Computer Science Principles Exam after completing the class.

Project Lead the Way

Project Lead the Way is a nationally recognized STEM curriculum drafted by engineers to foster critical thinking and creativity. The program is designed to prepare learners for technically-oriented careers while providing a focus on the field of engineering. Classes are both engaging and rigorous. Learners are challenged with authentic engineering problems that incorporate material from math and science curriculums. Each Project Lead the Way Class concludes with an End of Course Assessment that allows learners to earn college credits through university affiliates. Current Project Lead the Way classes include: Introduction to Engineering, Principles of Engineering, and AP Computer Science Principles.

AP + PLTW Learner Recognition Credential

Learners that complete one AP class, one Project Lead the Way class, and one additional AP/PLTW class may apply for a AP + PLTW learner Recognition credential. Learners must earn a 3 or higher on AP class exams and a proficient score on the PLTW End of Course Assessments to apply for the recognition. Please see a STEM learning facilitator or a counselor with questions.

Art Department

5802 Two Dimensional Design I - Grades 9,10,11,12 .5 Credit

In this course you will build on your two-dimensional experiences in art and on your knowledge of the elements and principles in design. This class will help you improve your drawing skills using pencil, pastel, charcoal, and mixed media. You will also expand your experiences in collage and printmaking and explore graphic design. The computer will be used as a tool and medium as you plan and produce some of your assignments. Study of art history and artists will relate to the assigned projects. This study will help you improve your ability to examine and talk about your work and other artists' works. A sketchbook and visual journal will be used in the creation of projects and required assignments in this course.

5804 Two Dimensional Design II - Grades 10,11,12 .5 Credit

Those learners taking Two Dimensional Design II will expand their experiences from Two Dimensional Design I. Core content will be the same; however, Two Dimensional Design II learners will be expected to perform at a higher level and instructor's assessments will be made accordingly. Prerequisite: Two Dimensional Design I.

5805 Watercolor – Grades 9,10,11,12 .5 Credit

This course is designed to expose learners to the beauty and challenges of working with the watercolor paint medium. Learners will learn the importance of color, various techniques in which to use watercolor paint, how observational painting encourages technique and success, and how artists create their own aesthetic rules. Learners will also be exposed to gouache paint, which derived itself from watercolor painting. This fickle paint medium will be incorporated into watercolor painting and used on its own in a composition. A sketchbook and visual journal will be used in the creation of projects and required assignments in this course.

5806 Painting I - Grades 9,10,11,12 .5 Credit

This class is designed to expand and sharpen your skills in painting through a variety of assigned projects and mediums. You will be learning more about painting techniques, terminology, color mixing theory and the history of painting. You will use acrylics as the main painting medium. The computer will also be used as a tool and medium for some of your paintings. You will continue to develop skills in discussion and analysis of artwork. The elements and principles of art will

be utilized to help you plan and create your work. A sketchbook and visual journal will be used in the creation of projects and required assignments in this course.

5808 Painting II - Grades 10,11,12 .5 Credit

Those learners taking Painting II will expand their painting experiences from Painting I. Core content will be the same; however, Painting II learners will be expected to perform at a higher level and instructor's assessments will be made accordingly. Prerequisite: Painting I.

5811 Three Dimensional Design I - Grades 9,10,11,12 .5 Credit

This course offers you the opportunity to develop skills and ideas in three-dimensional artwork. Ceramics (making pots and sculptures from clay) will be explored. The forms made in ceramics may be functional or nonfunctional. While working with clay, you will learn both hand building and wheel throwing techniques. You will also create sculptures using a variety of techniques and materials. Possible materials for your sculpture will be clay, paper, cardboard, plaster, wood, wire and "junk." You will also become aware of the history of three-dimensional forms and techniques used to create them as we study ceramic and sculpture artists. A sketchbook is used to record the development of your ideas and images for projects.

5812 Three Dimensional Design II - Grades 10,11,12 .5 Credit

Those learners taking Three Dimensional Design II will expand their experiences from Three Dimensional Design I. Core content will be the same; however, Three Dimensional Design II learners will be expected to perform at a higher level and instructor's assessments will be made accordingly. Prerequisite: Three Dimensional Design I.

5813 Ceramics – Grades 9,10,11,12 .5 Credit

This course will concentrate on the development of skills in hand building techniques such as pinch, coil and slab, with a focus on detailing and surface techniques. Progressing into more advanced wheel throwing techniques by constructing functional items such as cups, bowls and vases. Projects will explore categories of ceramic building, utilitarian and non utilitarian. Learners will be encouraged to think creatively and develop their own personal artist style throughout the course. A sketchbook is used to record the development of your ideas and images for projects.

5817 World Art – Grades 9,10,11,12 .5 Credit

This course surveys the artistic tradition of countries from around the world from the earliest peoples and cultures to contemporary times. Geographic regions will be selected by the class based on personal interest. The course will explore the art of the major cultures, as well as secular and folk arts. The range of art works includes drawing, architecture, sculpture, painting, ceramics, and others. This course will be a combination of instruction and project fabrication. A sketchbook is used to record the development of your ideas and images for projects.

~~**5816b Personal Art Portfolio – Grades 11, 12 Blended .5 Credit**~~

~~This course is designed for learners to develop the behaviors of contemporary artists by creating their own body of work. Learners will become engaged in the artistic process through researching, finding inspiration, and producing their own artwork. This course develops research skills, helps analyze findings, and learners brainstorm and conceptualize ideas for original works of art. In addition, learners will plan, create, and reflect upon their own works of art. Learners will produce a portfolio of original artwork. A sketchbook is used to record the development of your ideas and images for portfolio pieces. Enrollment in this course is subject to administration and department head approval.~~

~~**Please note:** All art courses require the learner to purchase a sketch book. The approximate cost for the sketch book is $6.00.~~

5809 Yearbook Publication - Grades 9,10,11,12 .5 Credit

This course is designed for learners interested in being involved in all stages of producing a school wide publication. Learners interested in enrolling in this course should be comfortable with writing, photography, editing, and graphic

design. Activities also include interviewing, feature writing, design layouts, sales and advertising, and a moderate level of digital competency. Learners can take this course semester 1 or both semester 1 and semester 2.

Need # Open Studio- Grades 10,11,12

This course is reserved for any learner interested in a second level of any art course previously taken at the high school level. The course will function as a true "Open Studio" by using previous knowledge from level one courses (this includes; Foundations of Art, Painting 1, 2 Dimensional Design 1, 3 Dimensional Design 1, Watercolor, World Art, Ceramics, and Personal Art Portfolio).

Learners will develop their own "Artistic Behaviors" during their creation process by working in their OWN SELECTED mediums, (ex. paint, watercolor, clay, sculpture, drawing, etc.). In this course, learners will develop research skills, analyze findings through reflections, and brainstorm and conceptualize ideas for original works of art. Learners will produce a portfolio of original art work at the end of the semester. A sketchbook is used to record the development of your ideas and images for portfolio pieces.

Music Department

5849 Just Music - Grades 9,10,11,12 .5 Credit

You just downloaded your digital files to your phone, plugged in your Airpods, and turned on some tunes. "Hey, bro! Whaddaya listening to?" "Nothin' really," you reply. "Just music." Yet, as you begin to listen deeper, analyze its structure, make cultural connections, and *really* hear its message, will you still be able to say it's "just music?" This class is a general exposure to pop music that also includes a discussion about the changing methods in recording technology as it develops to meet the demands of today's music playback and consumption. Learners will come away with a deeper understanding of music and its social connections, expand their knowledge and appreciation of different musical genres and research, and present a chosen era of *music and culture* to the class.

The course also offers off-campus and virtual field experiences to places such as Rock Lititz, Millersville University, and/or the Kimmel Center to tour modern staging and recording facilities as well as Martin Guitar to witness the modern construction methods of acoustic musical instruments.

5852 Musical Theater - Grades 9,10,11,12 .5 Credit

Learners will study the history of American musical theater. All aspects of musical theater production will be explored including: stage direction and drama, choreography and dance, set construction and painting, stage lighting and sound,

theatrical make-up, and the responsibilities of each of the members of a production staff. Learners will develop a final project that may be related to the school's musical production and/or the creation of an original children's musical.

5855 Introduction to Music Technology - Grades 9,10,11,12 .5 Credit

The Introduction to Music Technology course will be a project-based course where learners use computer software, musical instruments and basic studio equipment to create their own audio/video productions. Learners will gain basic skills in areas such as recording and mixing, acoustic science, notational software, and video editing. The ability to read music is advantageous for this course.

***5856 Applied Music - Grades 9,10,11,12 .5 Credit**

Learners who are members of ~~PVHS~~ PVS performing ensembles will prepare solo, festival (i.e. county and district band and chorus), or ensemble literature to be performed in recitals periodically throughout the semester. The learners will work independently and/or form ensembles such as vocal quartets and woodwind quintets. Recordings of master performers will be evaluated and a log/daily journal will be incorporated into a portfolio. The portfolio will also contain recordings of the music performed by the learner. Learners may also pursue music composition. Learners may enroll in this course more than once.

***5858 Piano - Grades 9,10,11,12 .5 Credit**

This course is designed for the beginning pianist who wishes to learn about chords, scales, melodies and keys. Learners will develop keyboard and music reading skills using electronic keyboards in individual and group activities. Learners will be able to move at as rapid a pace as they can. The course is suitable for both beginning and advanced players. Learners may enroll in this course more than once.

***5860 Guitar - Grades 9,10,11,12 .5 Credit**

Learners will learn the basics of playing the guitar. Topics include open chords, note reading, finger-picking, barre chords, power chords, and basic strumming patterns. Musical literacy is also stressed; both notes on the staff and tablature. The course is designed for the beginning learners and uses nylon-stringed guitars provided by the school.

***5862 Voice Class - Grades 9,10,11,12 .5 Credit**

This course is designed for the learner who wishes to develop their abilities as a solo singer. The activities will focus upon individual performance and skill building in solo singing, music reading utilizing solfeggio (singing on syllables) and vocal technique. Although some small ensemble literature may be incorporated, solo literature and singing will be emphasized. Learners will have the opportunity to prepare music for auditions where they must sing solo. They will also regularly listen to and evaluate recordings of professional, classically trained artists. Learners will frequently perform in class. Learners should be members of a choral ensemble at PV, but those who are not may be admitted with the instructor's permission. Learners must purchase the required solo anthology with accompanying recording. Lab fee: $20.00

***5861 Band - Grades 9,10,11,12 (Course for learners in only band – no chorus) 1 Credit**
***5863 Band - Grades 9,10,11,12 (Course for learners in band and concert choir semester 1) .25 Credit**
***5865 Band - Grades 9,10,11,12 (Course for learners in choir but not in chamber singers) .5 Credit**
***5867 Band - Grades 10,11,12 (Course for learners in band and chamber singers semester 2) .25 Credit**

Any learner may be a part of the Pequea Valley ~~High~~ Secondary School Band with the recommendation of the Intermediate school director or by audition. The band studies literature of varied types: marches, overtures, programmatic music, and others. Smaller ensembles are formed for special occasions (i.e. Wind Ensemble, Brass Ensemble, etc.) The objective of the ensemble is to increase the level of musicianship of every member through performance of quality band literature. Band and Concert Choir will meet during the same period and learners will equally divide time between the two ensembles. Some assessments will occur outside traditional school hours.

***5870 Concert Choir - Grades 9,10,11,12 (Course for learners not taking band semester 1) .5 Credit**
***5871 Concert Choir – Grades 9,10,11,12 (Course for learners taking band semester 1) .25 Credit**

Any learner may be a part of the Pequea Valley ~~High~~ Secondary School Concert Choir with the recommendation of the Intermediate school director or by audition. The Choir studies several styles of choral music, while working to improve music reading, voice quality and musicianship. Public performances give the learner the opportunity to evaluate his/her grasp of musical fundamentals and to enjoy the many rewards of sharing his/her talent with others. A few extra rehearsals will be required in preparation for the required concerts. Band and Concert Choir will meet during the same period and learners will equally divide time between the two ensembles.

***5872 Chamber Singers - Grades 10,11,12 (Course for learners not taking band semester 2) .5 Credit**
***5873 Chamber Singers – Grades 10,11,12 (Course for learners taking band semester 2) .25 Credit**

Chosen by audition from the Concert Choir, the Chamber Singers is a select group of mixed voices which studies and performs music more suitable for a choral ensemble than for the large chorus. The singers commit themselves to several extra rehearsals and a fall retreat as they prepare programs for school and community functions. Fundraisers help defray the costs of trips. Chamber Singers must also belong to the Concert Choir. Those learners who are also in band second semester will divide time between the two ensembles.

***5876 Treble Choir - Grades 9,10,11,12 .5 Credit**

This is an auditioned choral ensemble for soprano and alto voices open to learners in all grades, but geared to less experienced singers. Emphasis will be placed upon beginning vocal technique; the study of excellent choral literature for treble voices, and music reading skills will parallel Concert Choir and Chamber Singers. This ensemble will perform in at least one required public concert and may perform off-campus in conjunction with the Chamber Singers.

***5878 Music Theory - Grades 9,10,11,12 .5 Credit**

Learners will learn how music is composed. Chord and scale construction, harmonic progressions, rhythm, and key signatures are included in this study. Computer notation and sequencing programs will be utilized. Sight reading and aural skills will be developed. The emphasis of the course if taken a second time is on practical application of theory concepts including more advanced music analysis, more complex harmony and original compositions. Learners may enroll in this course more than once.

*Learners may enroll in this course more than once. **Please note:** All performing groups require an audition unless otherwise noted and learners must be in a ~~PVHS~~ PVS performing group to elect applied music.

5879 Insights into Classical Music – Grades 9,10,11,12 .5 Credit

This course will provide the learner with tools to understand and appreciate what is commonly referred to as “classical music.” The lives and times of great composers such as Mozart, Beethoven, Chopin and Tchaikovsky merged to create some of the most important music the world has known. A chronological survey of historical periods and biographies of interesting composers will help listeners gain insights into the formation of this important body of music.

5880 Ukulele - Grades 9,10,11,12 .5 Credit

Learners will learn the parts and history of the ukulele. They will understand tuning, basic chords, varied strumming patterns, and reading standard notation and tablature. Learners will play as an ensemble and in small groups. Learners of all skill levels are welcome and can work at their own pace. Course will be graded by participation, virtual assignments, and projects.

5881 Jazz Improv/History - Grades 9,10,11,12 .5 Credit

This is an advanced music class that is an exploration into improvising on your instrument. The course begins with simple melodic imitation and improvisation and then moves into the Blues, Modes and ii-V-I chord progressions. In an effort to understand the development of improvisation and help the learner begin improvising, the course will also examine: jazz history, jazz musical styles, jazz music theory, as well as listening examples, solo transcriptions and learner performance opportunities. Learners will be expected to play instruments during this class and improvise in front of the group. Opportunities may arise for this class to attend an off-campus jazz clinic/workshop for more in-depth study. Prerequisite: Learners must have at least two years of Instrumental or Vocal Music study.

Business Department

5938 Sports and Entertainment Marketing – Grades 9,10,11,12 .5 Credit

This engaging and hands-on course introduces learners to the exciting world of sports and entertainment marketing. Learners will explore the foundational principles of marketing, with a focus on understanding and applying the Marketing Mix: Product, Price, Place, and Promotion.

The highlight of the semester is a dynamic project where learners conceptualize and build a fictitious sports franchise from the ground up. Learners can choose any major professional sports league and develop their franchise by applying marketing strategies at every level. From designing team branding and merchandise to setting ticket pricing and planning promotional events, students will gain practical experience in marketing decision-making and business planning.

By the end of the course, learners will have a deeper appreciation for the critical role marketing plays in the sports and entertainment industries.

5939 Introduction to Business – Grades 9,10,11,12 .5 Credit

This course offers learners a foundation in business principles and entrepreneurial practices. Learners explore key topics such as business planning, market research, financial management, product development, marketing strategies, and operations management.

The curriculum combines engaging lessons with practical, hands-on applications of these concepts. Learners will gain experience in making business decisions, analyzing market data, and managing resources as they simulate real-world entrepreneurial challenges. By the end of the course, learners will have a strong foundation in business basics and practical experience in entrepreneurship, preparing them for future studies or ventures in the business world.

5915 Personal Finance – Grade 9,10,11,12 .5 Credit

This one-semester course equips 9th-grade learners with the foundational skills needed for career planning and personal financial management. Learners will explore various career paths, discuss actionable plans for their futures, and align their interests, skills, and values with potential careers, colleges, and training opportunities. In addition to career

exploration, the course emphasizes building financial literacy, covering essential topics such as budgeting, saving, banking, insurance, managing credit, understanding loans, and the basics of investing. By the end of the course, learners will have been exposed to essential financial concepts and strategies that will help them align their career aspirations with practical and smart financial decisions.

5992v Driver's Education – Grade 9,10,11,12 VIRTUAL .5 Credit

This is a self-directed course with support from an accredited driver education facilitator. There will be three face-to-face meetings held at the high school for the purposes of providing orientation to the course, handing out and collecting materials, and taking tests to show mastery of course content. There will also be 4 online meetings to discuss class topics and go over answers to questions from the topics covered that week. The majority of the daily class goals will be to help the learner acquire the mental skills and habits necessary to be safe in today's complicated driving environments. Some of the topics we will cover are the IPDE method to reduce risks, normal and adverse driving conditions, insuring a car, following proper accident procedures, and many more.

According to the Pennsylvania Department of Education, learners who receive 30 hours of classroom instruction may be eligible to receive financial incentives with participating companies. The reduction in premiums is usually good until the driver turns age 26 when he/she enters a new age bracket.

Agricultural Education Department

A learner may earn one (1) science credit counting toward his/her graduation requirements by successfully completing three (3) agricultural science courses. Some courses within this department are not offered every year and may be on a two or three year rotating cycle. See the table below for the elective rotations.

The school counselors and agricultural facilitators will work collaboratively to ensure learners with a first choice in agriculture and related fields have an agricultural course on their schedule. Learners who take more than 35% of the agriculture courses offered will have the opportunity to earn a NOCTI skills certificate as a senior.

2026-2027	2027-2028	2028-2029
Food of the Future Foods Unwrapped Small Animal Science Veterinary Science Horticulture Intro to Ag Mechanics Small Engine Troubleshooting Welding Technology Agribusiness, Comm, & Marketing (Virtual)	Food of the Future Food Science Large Animal Science Veterinary Science Landscape and Floral Design Intro to Ag Mechanics Small Engine Troubleshooting Welding Technology Natural Resources Agribusiness, Comm, & Marketing (Virtual)	Food of the Future Foods Unwrapped Small Animal Science Veterinary Science Horticulture Intro to Ag Mechanics Small Engine Troubleshooting Welding Technology Agribusiness, Comm, & Marketing (Virtual)

5959 Small Animal Science – Grades 9,10,11,12 .5 Science Credits

From cats and dogs, to mice and rabbits, small animal science has it all! This course will help learners build the skills needed to understand how to care for companion animals. Emphasis will be placed on the nutrition, health, training, and daily care of animals. Learners in this course will be responsible for the live animals in the agriculture classrooms, providing each learner with a hands-on project the entire semester.

5960 Large Animal Science – Grades 9,10,11,12 .5 Science Credits

Large animal science will help learners build the skills needed to understand how to raise and manage agricultural animals such as cattle, sheep, goats, and horses. Emphasis will be placed on the nutrition, health, training, and daily care of large animals used for agricultural production. Learners in this course will engage with labs, dissections, and live animals, providing each learner with hands-on projects throughout the course.

5984 Veterinary Science – Grades 9,10,11,12 .5 Science Credit

Learners in veterinary science will learn about the necessary skills to pursue a career as a veterinarian/veterinarian assistant. The focus of this course is to provide hands-on experiences in which learners demonstrate the proper techniques of handling and caring for small and large animals. The course will explore animal anatomy and physiology, health and nutrition management and daily veterinary hospital practices. Learners will have the opportunity to engage in dissections and hands-on labs to investigate this content.

5964 Natural Resources - Grades 9,10,11,12 .5 Science Credits

Enjoy hunting, fishing, and the great outdoors? Natural Resources will provide a broad background on Pennsylvania's natural resources and investigate how we can preserve the ecosystems of our state. The course will include units on identifying the types, life cycles, diets, habitats, and management of Pennsylvania wildlife, aquatics, and forestry resources.

5966 Introduction to Agricultural Mechanics - Grades 9,10,11,12 .5 Science Credits

This course is designed to introduce learners to a variety of basic skill sets in agricultural mechanics. Learners will gain experience working with hand tools and machinery that are specific to electricity, plumbing, welding and small gas engine industries. This is a project based course in which learners build, construct and design projects in the agricultural mechanics shop that relate to the concepts learned in the classroom.

5968 Welding Technology – Grades 9,10,11,12 .5 Science Credits

This course is intended for those learners who wish to learn the basics of welding. The course will allow learners to proceed through required skill areas at their own pace. The course will include instruction in arc, MIG flat and out of position welding, oxyacetylene cutting, oxyacetylene welding, brazing, soldering and plasma arc cutting.

5975 Small Engine Troubleshooting - Grades 9,10,11,12 .5 Science Credits

Small Engine Troubleshooting takes an in-depth look at all the systems and functions of 4-stroke engines. The course begins with an overview of each engine system and the skills necessary to service the engine. Learners will then put their skills to the test by completely tearing down, rebuilding, and troubleshooting a 4-stroke engine. If you are considering a career as a mechanic or just enjoy working on vehicles (motorcycles, quads, cars) as a hobby, this course is a great starting point for all learners.

5973 Horticulture – Grades 9,10,11,12 .5 Science Credits

This course is designed for learners who are interested in working with house plants, greenhouse, and/or fruit/vegetable plant production. Included in this course will be units on plant science, plant propagation, greenhouse crops, hydroponics, and other container gardening. The school greenhouse and outside landscape will be used as a lab for conducting research and production projects.

5971 Landscape and Floral Design – Grades 9,10,11,12 .5 Science Credits

Landscape and floral design is a great class for learners interested in designing outdoor landscapes and making floral arrangements. The course will include units on landscape design, nursery plant production, landscape management, floral design principles, and creating floral arrangements. The school greenhouse, outside landscapes, and local businesses will be incorporated into the course.

5974 Food Science – Grades 9,10,11,12 .5 Science Credits

Food is a major part of our world, but how many of us know how each food item makes it to our plates? This course will focus on the process our food undergoes as it travels through the production process. Learners will examine current food trends and processing techniques of meat, milk, poultry, fruit, and vegetable products. The course will also provide the learners with the skills and knowledge to safely preserve and handle food according to industry standards. Hands-on, interactive, and edible labs will be used to teach the course content, allowing learners to build the skills needed to understand the food industry.

5980 Foods Unwrapped – Grades 9,10,11,12 .5 Science Credit

People choose foods and beverages based on many factors. Included in many food choice decisions are appearance, taste, health benefits, budgetary concerns, food safety, and cultural and religious values. Today's food industry takes many of these factors into account as they process foods for the consumer. This course will investigate the contribution of food ingredients in the final outcome of a food product. This course will focus on experimentation with food ingredients in the preparation and consumption of food, and investigate how we keep these products safe for consumption.

5963 Food of the Future - Grades 9,10,11,12 .5 Science Credits

Who will solve the problems with our food, fiber, and natural resources? The answer is YOU! The next generation of agriculturists will need to think outside the box to find novel solutions to food, energy, and environmental challenges. This course will focus on hands-on units related to sustainable food production, robotics and coding, GPS and GIS, alternative energy solutions, and global food issues in the agricultural industry.

5990 Biological Studies in Agricultural Science – Grade 10 – Mandatory .5 Science Credit

Agricultural sciences and biology share a common thread; the study of the living organisms on our planet. The learners in this course will investigate all the topics in biology, but in an agricultural context. The course is centered around an extensive laboratory component that will help connect the big ideas of life science to the practical application of agricultural sciences, which will provide learners with the science and leadership skills needed to be successful in a future career and for the Biology Keystone Exam.

5983 Supervised Agricultural Experience (SAE) – Grades 9,10,11,12 Credits Range

ANY learner enrolled in an agriculture course is encouraged to complete a Supervised Agricultural Experience (SAE). Each project must be agricultural, must be supervised by an agriculture teacher, and must relate to an area of interest, but can be very diverse. Projects can include an Agriscience Fair project, employment at an agricultural business, raising animals or plants, building or restoring an agricultural machine, or developing your own agricultural business. SAE can occur outside or inside the school facilities with instructor approval. SAE credit is given to learners who successfully complete their project of interest and range from .5 to 2 credits.

5981 Scientific Research – Grades 10,11,12 .5 Science Credit

Scientific researchers use their knowledge to solve the issues we face in our society. This course will involve hands-on activities with biology, environmental science, chemistry, agricultural science, engineering, and social science, with the end goal of learning how to conduct research in all areas of science. Throughout the course, learners will engage in lab experiments, debates, projects, and activities that focus on how research is conducted. Learners will then have the opportunity to engage in a research project of their own that addresses a problem in society.

5978 Agriculture Biotechnology – Grades 9,10,11,12 .5 Science Credit

The agricultural field is filled with controversial topics that show up in the news. Topics like Genetically Modified Organisms (GMOs), cloning, genetic manipulation, plant and animal tissue culture, and other topics in the news will be the focus of this course. Labs, debates, and hands-on projects will be used to learn about these important issues that impact our food and natural resources. This course fulfills .5 science credits.

5989 Agriculture Topics – Grades 9,10,11,12 .5 Science Credit

Agriculture Topics is an independent study course that allows learners to develop skills that otherwise wouldn't be offered during the regular class schedule offered by the Agriculture Department. Learners will work with their instructor to develop a project, work study, or internship program that will help in a future career area. Projects can be completed outside or inside the school facilities with instructor approval. Prerequisite: Ag Department approval required!

Virtual Courses

5985v Agricultural Business, Communications, and Marketing – Grades 9,10,11,12 (Virtual) .5 Science Credit

Learners enrolled in this course will begin to develop their agribusiness skills and to build networks with local business through projects, guest speakers, and market analysis. The course will provide learners with the knowledge to develop their own agribusiness plan, communicate and network with the public about the agricultural products and issues important to all consumers, and have the ability to successfully market agricultural products using social media and digital advertising.

Internship and Work Study

7000 Internship – Grades 11,12 2 Credits, 1 Credit, .5 Credit
7001
7002

Internships will be available to junior or senior learners with **administrative approval**, who have met the credit requirement (14) by the end of their sophomore year and are scheduling the courses needed to meet graduation requirements. Learners will earn .5, 1, or 2 elective credits for the internship and will be graded pass/fail.
One half credit = 75 hours, one credit = 150 hours, 2 credits = 300 hours. Requirements and paperwork for internship consideration are available at https://pvs.pequeavalley.org/. Click on the menu, select Academics, then Internships and Work Study Opportunities.
Applications for Internships will be processed over the summer after schedules are finalized.

7020 Work Study – Grades 11,12 1 Credit

Work-study will be available to junior or senior learners with **administrative approval**, who have met the credit requirement (14) by the end of their sophomore year and are scheduling the courses needed to meet graduation requirements. Learners will earn (1) elective credit for the work-study and will be graded pass/fail. Requirements and paperwork for work study consideration are available at https://pvs.pequeavalley.org/. Click on the menu, select Academics, then Internships and Work Study Opportunities.
Applications for work study will be processed over the summer after schedules are finalized.

Virtual Courses

The following courses are offered virtually **during the school year** using Pequea Valley facilitators. These courses can be taken in place of a brick and mortar course or, with administration approval, in addition to a full schedule. The courses follow the same curriculum as the brick and mortar courses described on the pages above.

~~5146v Honors English 11~~

5193v Creative Writing- .5 Credit

5285v Geography- .5 Credit

5347v Honors Environmental Science- 1 Credit

5424v Honors Geometry- .5 Credit

~~5460v Statistics~~

5545v AP German- 1 Credit

5555v AP Spanish- 1 Credit

~~5788v Home Improvement~~

~~5816v Personal Art Portfolio~~

5985v Agricultural Business, Communications, and Marketing- .5 Credit

5992v Driver's Education- .5 Credit

~~Summer School Offerings~~

~~To learn more about summer course selection, go to www.pequeavalley.org, click on high school, school counseling, and summer school enrichment/credit recovery information. This information will be posted as soon as summer course decisions are made.~~