

PHOENIXVILLE AREA HIGH SCHOOL

PROGRAM OF STUDIES

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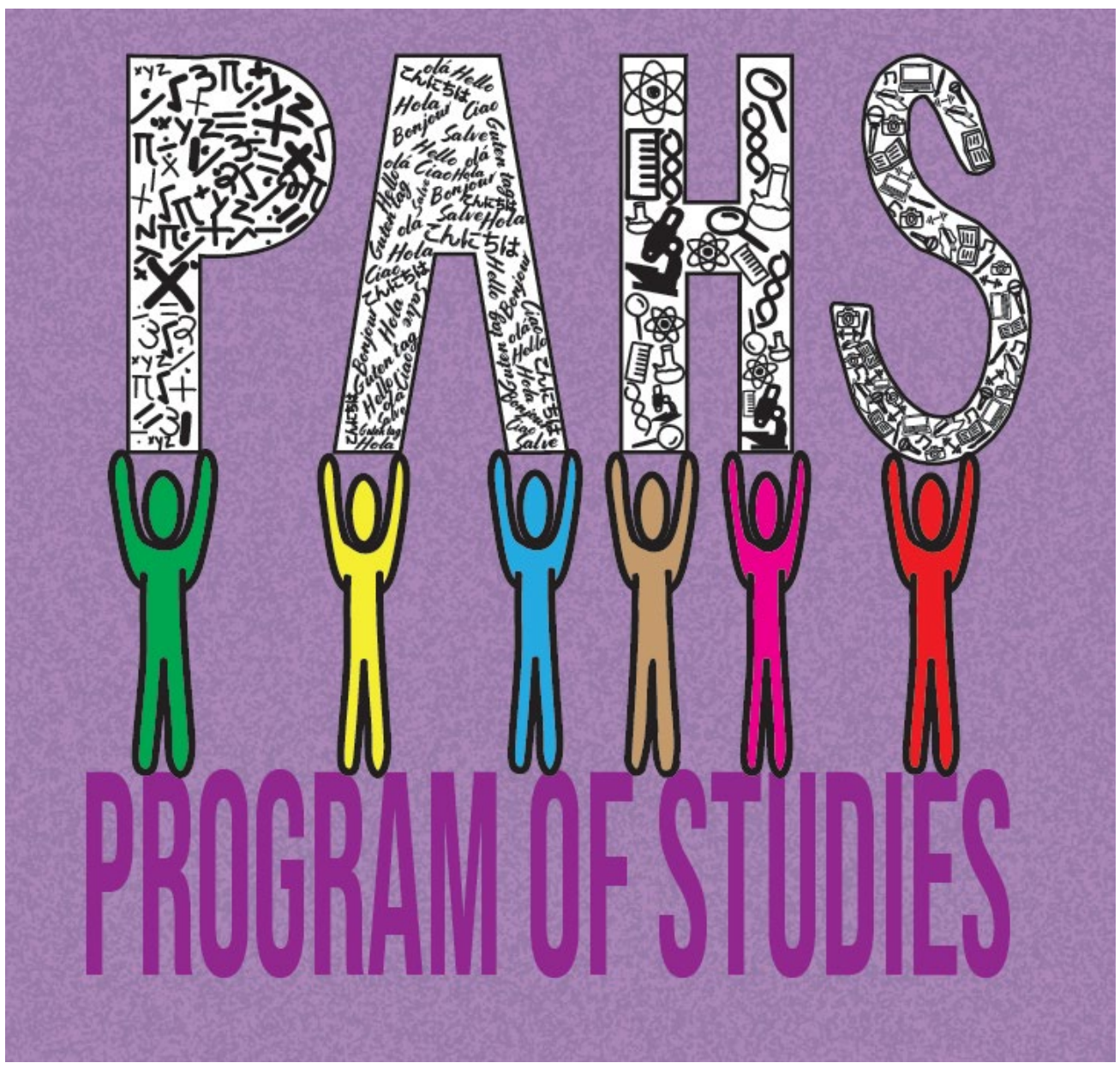


2024-25

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Art by Kennedy Miller, Class of 2024

MISSION STATEMENT

The Mission of the Phoenixville Area School District is to prepare, inspire, and graduate students to meet the challenges of the future, while we grow to become the educational hub of the community.

ADMINISTRATION

Mrs. Melissa McTiernan
Superintendent

Dr. Jessica Kilmetz
Assistant Superintendent

Dr. Kathryn Pacitto
*Executive Director of Curriculum
and Specialized Programs*

Mr. David Ramsey
Director of Specialized Programs and Services

Ms. Holly Pettine
Supervisor of Special Education, Secondary

Dr. Frank Garritano
Executive Director of Schools & EIB

Dr. Rose Scioli
High School Principal

Miss Martina Walls
High School Assistant Principal

Mrs. Corinne Reutter
High School Assistant Principal

Mr. Justin McAdams
High School Interim Assistant Principal

Mr. Don Grinstead
Athletic and Activities Director

Mr. Eric Daney
Curriculum Supervisor

COUNSELING SERVICES

Mission Statement: The Phoenixville Area School District Counseling program is committed to assisting students with their academic, career, and personal/social development while working in collaboration with parents, faculty and community members in preparing students for the 21st century.

Mrs. Maren Bhalla
bhallam@pasd.com

Mr. William Gumby
gumbyw@pasd.com

Ms. Elizabeth Kilpatrick
kilpatricke@pasd.com

Ms. Kimberly Osborn
osbornk@pasd.com

Mr. John Shackelford
shackelfordj@pasd.com

College and Career Counselor

Alpha Range A – El: Grades 11 & 12
 A - El: Grades 9 & 10

Alpha Range Em – Le: Grades 11 & 12
 Em - Lz: Grades 9 & 10

Alpha Range Li – Ro: Grades 11 & 12
 Ma - Qz: Grades 9 & 10

Alpha Range Ru – Z: Grades 11 & 12
 Ra - Z: Grades 9 & 10



Phoenixville Area High School Course Selection Timeline 2024 – 2025

Course Selection Schedule of Events

January-February

Course selection parent meeting rising 9th grade: January 17, 2024, 7:00pm in the HS auditorium

Course selection parent meeting rising 10-11-12th grade: January 17, 2024, 6:00pm Virtual Webinar (link will be provided via Dr. Scioli's newsletter)

Teacher recommendation window; teachers will meet one on one with each student to make core course recommendations: January 23 - 26.

Student elective course selection window: January 30 - February 1. Students must choose at least 10 elective courses on Skyward.

March-May

Master schedule developed.

Course level waiver deadline to Counseling Office: April 5, 2024

Students notified of courses: May 28, 2024

August-September

Schedules made live to students: August 19, 2024.

Appointments with counselors are for core course level changes only.

**Parents may contact or conference with teachers or counselors throughout the process.*

A MESSAGE FROM THE COUNSELING DEPARTMENT

Preparing for your future requires comprehensive planning throughout high school. Please review the *Program of Studies* (POS) thoroughly and discuss it with your parents, teachers, and counselor. This document will aid the decision-making process for course selection by providing information about each subject offered by Phoenixville Area High School. The POS will assist in the course selection process by providing information on all possible course options. Education is one of the most important building blocks in life, and we hope to guide you to make the best decisions possible for a successful future. Your PAHS transcript will reflect course enrollment and the grades you receive in each of those classes throughout your high school career.

The Counseling Department offers the following services for academic development:

- Assisting students with course selection
- Assisting students with schedule adjustments/level changes
- Communicating with teachers, students, and parents
- Educating students on study skills and test-taking strategies
- Educating students about GPA and college requirements
- One-on-one academic advising
- Ongoing communication with the Multi-Tiered System of Support Team and Student Assistance Program

The Counseling Department offers the following services for future/career development:

Yearly class exposure through the Naviance program

- Assisting students with self-awareness, career exploration, and college and career planning
- Conducting a *Financial Aid Night*
- Assisting with NCAA Eligibility
- Offering college, technical school, and military representative visits throughout the year
- Conducting Freshman, Sophomore, Junior, and Senior meetings with each individual student to provide the student with pertinent information for his/her future
- Visitations to the Technical College High School (TCHS) and all available programs and internships will be made available to students.
- Assisting students interested in any other trade schools, community colleges or private training institutes.

The Counseling Department offers the following services for personal/social development:

- Individual/group counseling – for academic, social, emotional, behavioral, and peer support
- Ongoing communication with teachers, students, and parents
- Participation in the Instructional Support Team and the Student Assistance Program
- Transition planning
- Peer mediation
- Conflict resolution
- Stress management

Parents and students are encouraged to use the resources provided through the Counseling Department. The Counseling Department has information on scholarship opportunities, a variety of college informational materials, occupational and career information, college catalogs, college resource books, military information, SAT and ACT information, etc. Students are welcome in the Counseling Department to make an appointment with their counselor.

COLLEGE AND CAREER PLANNING GUIDE

Planning for your future is a multi-year process and should begin as early as 9th grade. Students should not wait until their Junior or Senior year to begin planning for college. Below are checklists for students in grades 9-12. Students will receive this information, as well as more detailed information, each year to facilitate the planning process. Also, please be sure to review Phantom's Future, which is our post-secondary planning for all students that contains detailed information regarding preparing for life after high school. The Phantom's Future Guide is posted on the High School Counseling Department [website](#) under "Post-Secondary Planning." The Counseling Department website also provides a great deal of information for our students and parents.

Freshman Year

- Take appropriately challenging courses and put time and effort into all classes
- GPA starts Freshmen year and GPA is the most important factor in college admissions
- Join clubs/organizations that are of interest
- Attend Naviance classroom session with School Counselors to begin researching and identifying potential careers, colleges, complete assessments, and to create a resume
- Continue utilizing the features in Naviance learned from middle school
- Meet School Counselor for course selection and to discuss individual post-secondary plans
- Take the PSAT 9 and use the results to identify areas of strengths and areas needing improvement
- Students will be exposed to technical and career opportunities – visit from TCHS Admissions counselor, TCHS tour opportunity, and Career Pathways exposure in Techniques of Writing class
- Take Keystone Exam(s) for eligible courses
- Communicate with school counselor regarding Act 158 Pathway progress

Sophomore Year

- Continue to work hard in all classes and maintain or improve GPA
- Remain active (or join) the clubs/organizations
- Attend Naviance classroom session with School Counselor to continue researching and identifying potential careers and colleges, completing assessments, and updating resume
- Continue to explore career opportunities by completing Career Readiness Activities for the state's Future Ready PA Index
- Meet with School Counselor for course selection and to discuss individually post-secondary plans
- Take the PSAT 10/11 in October and use the results to identify areas of strengths and areas needing improvement
- Take the ASVAB Career Exploration Exam if desired
- Take TCHS tour opportunity and attend their Open House
- Take/Retake Keystone Exam(s) for eligible courses
- Communicate with school counselor regarding Act 158 Pathway progress

Junior Year

This is a key year in the post-secondary planning process because students will be taking standardized tests, narrowing down their school list, and learning more about financial aid to stay involved in their high school courses and activities.

- Continue to work hard in all classes and maintain or improve GPA
- Remain active in the clubs/organizations
- Attend Naviance classroom session with School Counselor to continue researching and identifying potential careers, colleges, complete assessments, and to update resume, sign up for college admissions presentations at PAHS
- Continue to utilize the features in Naviance independently
- Meet with School Counselor for course selection and to discuss individually post-secondary plans
- Meet with the College and Career Counselor (any time from December until the end of the year) to discuss post-secondary planning, standardized testing, etc.

- Take the PSAT 10/11 in October and use the results to identify areas of strengths and areas needing improvement. PSATs taken during 11th grade is used to determine National Merit Eligibility
 - The National Merit® Scholarship Program is an annual academic competition among high school students for recognition and college scholarships. The PSAT given in 11th grade is the National Merit Scholarship Qualifying Test. (The PSAT™ 10 and PSAT™ 8/9 will NOT be considered for entry to the National Merit Scholarship Program.
- Take the ASVAB Career Exploration Exam if desired
- Take the SAT or ACT if desired
- Attend the Junior Student/Parent College/Technical School Planning Presentation
- Register with the NCAA in June if interested in competing in college athletics at a Division I or Division II college
- Completion of 8 Career Readiness Activities to satisfy the graduation requirement that aligns with the Future Ready PA Index
- Take/Retake Keystone Exam(s) for eligible courses or satisfy another Act 158 Graduation Pathway
- Communicate with school counselor regarding Act 158 Pathway progress

Senior Year

Senior year is often an extremely busy time, with schoolwork, activities, and special events. Be sure to stay on track with the college admissions process. Get organized, be aware of deadlines, and do not procrastinate.

- Continue to work hard in all classes and maintain or improve GPA. Some schools will require quarter 1 and quarter 2 grades and updated GPAs to make an admissions decision.
- Remain active in the clubs/organizations
- Attend Naviance classroom session to learn about the application process, how to request transcripts and teacher letters of recommendation, update resume, sign up for college admissions presentations at PAHS, view scholarships, complete year-end surveys
- Continue to utilize the features in Naviance independently.
- Meet with the College and Career Counselor to discuss college/military/trade school applications and/or post-high school career planning or career training.
- Take the SAT or ACT if desired
- Takes ASVAB Career Exploration Exam if desired
- Attend the Senior Student/Parent College/Technical Application Evening Presentation (early September)
- Attend Financial Aid Night
- Complete college/technical school applications September-November
- Apply for financial aid
- Register with the NCAA if not done so already
- Participate in the spring Career Study Program if eligible and interested
- Satisfy one of the Act 158 Graduation Pathways

Hybrid Learning Courses

Phoenixville Area High School will be offering 12th grade students select courses in hybrid form for the 2024 - 2025 school year. These courses will be a combination of online work, via Canvas, and face-to-face meetings. Classes will meet three times during the six-day school cycle, with traditional class time partly being replaced with online learning activities. The following courses will be offered for 12th grade students in the Hybrid model.

- English 12 Honors
- Math Applications
- Sociology
- AP Psychology
- Astronomy/Oceanography

GRADUATION REQUIREMENTS

Minimum credit requirements: 24

- English.....4.0 credits
- Social Studies.....3.0 credits*
- Math.....3.0 credits*
- Science.....3.0 credits*
- Physical Education.....1.0 credits
- Health.....0.5 credits
- Techniques of Writing.....0.5 credits
- Fine Arts.....0.5 credits
- Technology.....0.5 credits
- Electives.....6.0 credits**
- Career Exploration Project and Meet Act 158 Graduation Pathway

*You must attain a fourth credit in two of the following disciplines: Math, Science, or Social Studies

**It is recommended that at least one elective is in the area of the Arts and one elective in the area of Health/Physical Education.

For more information on Act 158 and each of the pathways, please visit page 13 of this document and/or [this website](#).

* 1 credit courses meet every day and 0.5 credit courses meet every other day

Credit will only be awarded for courses successfully completed as matriculated high school students.

Below is a list of all of the classes that will satisfy the Fine Art and Technology Requirements

Fine Art Classes	Technology Classes
Art I, II, & III	TV Production I, II, & III
AP 2-D Art & Design	Broadcasting I, II, & III
Digital Photography I & II	Sports Broadcasting
Ceramics I & II	Phantom TV
Mixed Media	Computer Applications & Programming
Mural Arts	Social Media Marketing
Graphics I & II	Sports & Entertainment Marketing
Theatre Arts	Technology Essentials
Creative Writing	AP Computer Science Principles
Wind Ensemble – Brass, Woodwinds, and Percussion	Cybersecurity
Marching Band	Intro to Programming
Jazz Band	AP Computer Science A
Orchestra & String Ensemble	Computer Animation & Web Design
Phantom Singers & Bel Canto Choir	Engineering with MATLAB
Vocal Ensemble	Digital Music
Beginning Piano	Digital Photography I & II
Beginning Guitar	Graphics I & II
Music Theory & AP Music Theory	Journalism I, II, & III
Digital Music	
Journalism I, II, & III	
TV Production I, II, & III	
Broadcasting I, II, & III	
Sports Broadcasting	
Computer Animation & Web Design	

Students can use the below chart to help them plan their courses to meet all graduation requirements.

Four Year Graduation Plan

Required Courses	Grade 9	Grade 10	Grade 11	Grade 12
English (4 credits)				
Math (3-4 credits)*				
Science (3-4 credits)*				
Social Studies (3-4 credits)*				
Techniques of Writing (.5 credit)				
Art (.5 credit)				
Technology (.5 credit)				
Health (.5 credit)				
PE (1 credit)				
Electives (6 credits)				
Minimum Credit Requirement: 24				

*You must take a fourth credit in two of the following disciplines: math, science, and/or social studies.

PROMOTION REQUIREMENTS

In order to be promoted and assigned to a Homeroom in the next grade, a student must meet the following requirements:

<u>Promotion from</u>	<u>Minimum requirements</u>
9 th to 10 th	6 credits
10 th to 11 th	12 credits
11 th to 12 th	18 credits

Students who have not earned enough credits to be promoted will be notified by their school counselor at the end of the school year. If students are able to successfully make up credit deficiency through summer school or work in the school year, they may rejoin their original class if the credits are completed before the start of the school year. There are no mid-year promotions.

THE GRADING SCALE

A = 90 - 100
B = 80 - 89
C = 70 - 79
D = 60 - 69
F = 0 - 59

STUDENT SUPPORTS

Academic Support (Non-Credit): Academic support is provided to all students through our after school tutoring program. Support is also provided within classes, and students may be scheduled for study halls during the school day. Teachers are also available for extra help during principal directed time in the morning before the school day begins.

Special Education: For those students who are eligible to receive an Individual Education Plan (IEP), Phoenixville Area High School provides a full continuum of supports and services. These include appropriate supports in all level classes, study skills classes, directed study halls, and case management. The primary purpose of the study skills class is to support students in meeting their goals as outlined in their IEP and provide support in being successful in their core curricular classes.

EXEMPTION FROM FINAL EXAMS

A student will be exempt from a final for any major courses if they are a Senior who has a 90% average and a grade of 88% or above on the mid-term exam. Additionally, all students (grades 9-12) in Advanced Placement classes who take the AP exam and have a 75% average in the course are exempt from the final exam as well.

LEVEL RECOMMENDATIONS

Advanced Placement (AP):

This level is for academically talented college-preparatory students whose abilities, interests, and demonstrated levels of performance show they can and will do rigorous college work in high School. Advanced Placement refers to the college-level course taught according to syllabi prescribed by the College Board Advanced Placement program. Advanced Placement classes assume students already have a strong foundation in the specific subject area of the course and are seriously interested in preparing to take the subject area AP test.

***Advanced Placement Disclaimer**

Advanced Placement (AP) course work **does not guarantee** credits or placement into higher level courses in college. Each college has their own AP policy. Many colleges and universities do grant credit for a score of 3 or greater on the Advanced Placement Exam. However, the decision to award credit is at the discretion of the individual university. Independent of the awarding of credit, Advanced Placement course work during the high school academic career demonstrates academic rigor and is frequently a positive factor in university acceptance decisions. For your convenience, College Board has provided a link that allows you to search colleges for their Advanced Placement policies. <https://apstudent.collegeboard.org/creditandplacement/search-credit-policies>

Honors (H)

This level is for high-achieving students who are capable of advanced levels of thinking and demonstrate the ability to write and speak in a highly competent manner. This level requires the student to be responsible, mature, and have well-developed study skills that enable the student to pursue independent learning. Honors students possess enthusiasm for learning and the responsibility to maintain their academic standing.

College and Career Ready (CC):

This level provides students of all ability levels the opportunity to be challenged at a rigorous level to prepare them for post-secondary experiences such as college, military, technical school or directly entering the work-force.

LEVELING DOWN

All course level change requests to move down a level must be made by 2 weeks after the first marking period. Prior to leveling down, students must demonstrate their participation in tutoring, test corrections and test retakes. In assigning credit for courses involved in a level change, full credit will be assigned to the new course. For example, if a student transfers from an Honors level class to a CC level class, for the remainder of the course, the credit earned will be at the CC level. The grade in the Honors level course will be transferred to the CC level course.

LEVELING UP

All course level change requests to move up a level must be made by 2 weeks into the first marking period. In assigning credit for courses involved in a level change, full credit will be assigned to the new course. For example, if a student transfers from a CC level class to an H level class, for the remainder of the course, the credit earned will be at the Honors level. The grade in the CC level course will be transferred to the Honors level course.

COURSE WITHDRAWAL

A withdrawal from a PAHS course during semester one will result in the recording of a WITHDRAWAL PASS (WP) or a WITHDRAWAL FAIL (WF) on the student's transcript. The designation is dependent upon the course grade at the time of the withdrawal. Only a student who has a current final grade of a 59 or below may withdraw after the semester 2 start and will receive that grade on their transcript. In either scenario, the student does not gain credit for any portion of the course.

OPTION II

Option II of the high school graduation requirements allows local school districts to design and/or approve educational experiences that serve as an alternative to traditional instruction and provide meaningful learning experiences that support student achievement of the Core Curriculum Content Standards. PAHS students may apply to receive high school credits for alternative learning experiences that enable students to fulfill or exceed the expectations set forth in the Core Curriculum Content Standards. Option II allows schools to provide enhanced education opportunities for all the students through the use of multiple and diverse paths.

Option II approval is at the high school principal's discretion and only will be approved for courses that PAHS does not offer. Option II credit does not factor into GPA.

CAREER EXPLORATION PROJECT

The career-based graduation project will focus on career investigation and experiences as it aligns directly with the state's Future Ready PA Index. It is a priority of our district to prepare students for a career consistent with their strengths and interests. This opportunity will better prepare students by strengthening their confidence in their chosen post-secondary areas of employment or study. By concentrating on a career-focused graduation project, students will learn more about potential employment and/or fields of study through a hands-on experience that meets the new career requirements from the Commonwealth. The career exploration project will be completed during the student's 11th grade year. Students will present their culmination project to their peers and designated staff members.

For more information about the state's Future Ready PA Index, please visit [this website](#).

CAREER READY EXPLORATION & ACTIVITIES

Driven by the state's Future Ready PA Index, PAHS identified career ready activities to support students exploring careers beginning in ninth grade. Students will explore their learning styles, personalities and how those fit into various career clusters. Career exploration will be supported through Naviance, as the career market is consistently changing. Naviance is an online platform that provides students with a variety of features and tools including: college research and matching tools, course planning, career assessments, personality inventories and resume building. Students will also utilize Naviance to apply post-secondary programs during senior year. The Career Ready Activities will be completed during ninth, tenth and eleventh grade. In Ninth grade, the exploration will take place during their Techniques of Writing courses. By the conclusion of eleventh grade, all students will be required to have the eight career readiness activities complete to align with the Future Ready PA Index.

Ninth Grade:

- AchieveWorks Learning and Productivity Assessment
- AchieveWorks Personality Assessment
- Career Interest Profiler
- Career Comparison Survey
- Workplace Attitudes

Tenth Grade:

- Resume Building
- Business Planning

Eleventh Grade:

- **Career Exploration Project:** The career-based graduation project will focus on career investigation and experiences as it aligns directly with the state's Future Ready PA Index. It is a priority of our district to prepare students for a career consistent with their strengths and interests. This opportunity will better prepare students by strengthening their confidence in their chosen post-secondary areas of employment or study. By concentrating on a career-focused graduation project, students will learn more about potential employment and/or fields of study through a hands-on experience that meets the new career requirements from the Commonwealth. The career exploration project will be completed during the student's 11th grade year present their culmination project to their peers and designated staff members.

Twelfth Grade:

- **Career Study Opportunity:** The PAHS Career Study Program is an optional program for senior students in good academic standing. The program provides an opportunity for students to explore a potential career area and enjoy a workplace experience. Students leave school the last three (3) weeks before graduation to participate in a program of observation and/or hands-on experience guided by a community sponsor. No credit or grade is earned.

KEYSTONE TESTING & ACT 158 GRADUATION PATHWAYS

The statewide graduation requirement has taken effect for all graduating classes. Beginning in the 2022-2023 school year, the statewide graduation requirement applies, as will any other Phoenixville Area School District policies and requirements. Act 158 of 2018 provides alternatives to Pennsylvania's statewide requirement of attaining proficiency on the three end-of-course Keystone Exams (Algebra I, Literature, and Biology) in order for a student to achieve statewide graduation requirements. These requirements are in effect for all classes.

Additionally, Keystone Exams are the statewide assessment that Pennsylvania uses to comply with accountability requirements in the federal "Every Student Succeeds Act" (ESSA). Each district is expected to achieve 95 percent participation on its statewide exams. Although students will no longer be required to achieve proficiency on the Keystone Exams, in order to meet statewide graduation requirements, students must take the Keystone Exams for purposes of federal accountability. Failure to do so will affect a Local Education Agency (LEA) and school's participation rate. Students can meet the statewide graduation requirement by:

- **PATHWAY 1 – KEYSTONE PROFICIENCY:** Student must score proficient or advanced (1500 and above) on each Keystone Exam - Algebra I, Literature, and Biology.
- **PATHWAY 2 – KEYSTONE COMPOSITE:** Student must have taken all three Keystone Exams, and must have at least one Keystone Exam scaled (numeric) score of Proficient or Advanced, no Keystone Exam scaled (numeric) score of Below Basic, and the composite of the three scaled (numeric) scores must be 4452 or greater.
- **PATHWAY 3 – CAREER AND TECHNICAL EDUCATION (CTE) CONCENTRATOR:** Student must earn a passing grade on the courses associated with each Keystone Exam and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
- **PATHWAY 4 – ALTERNATIVE ASSESSMENT:** Student must earn a passing grade on the courses associated with each Keystone Exam, and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB), advanced coursework (AP, concurrent enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
- **PATHWAY 5 – EVIDENCE-BASED:** Student must earn a passing grade on the courses associated with each Keystone Exam, and demonstrate readiness for postsecondary engagement through three pieces of evidence from the student's career portfolio aligned to student goals and career plan. Examples of evidence will include SAT Subject tests, AP, and concurrent coursework, higher education acceptance, community learning project, completion of an internship, externship or co-op or full-time employment.

For more information on Act 158 and each of the pathways, please visit [this website](#).

KEYSTONE REQUIREMENT UPDATE AS A RESULT OF COVID-19

In response to school closures due to the COVID-19 pandemic, the PA Department of Education has issued new guidance for those students who were slated to take the Keystone Exams in the spring of 2020 (Spring 2019-20 Cohort). Any student who was enrolled in a Keystone Exam trigger course (Algebra 1, Biology, English 10) during the spring of the 2019-2020 school year is NOT required to take the corresponding Keystone Exam. Any students who passed the trigger course is deemed as "proficient" on that Keystone Exam for purposes of graduation. Please reach out to your school counselor if you have any specific questions regarding your graduation requirements.

DUAL ENROLLMENT PARTNERSHIP

Phoenixville Area High School offers various dual enrollment opportunities. Students are able to earn College credit while still being enrolled in High School.

Montgomery County Community College (MCCC)

Dual Enrollment courses offered through MCCC are taught at the high school by Phoenixville Area High School teachers who have a Master's degree in their particular subject area and who have been approved by the college.

To learn more about these courses, please refer to the course description section of this document. Students must complete the following in order to receive MCCC credit:

- Pass all placement tests required for each course. The placement test will be offered at Phoenixville Area High School.
- Parents and students must fill out and return the registration and application form.
- Pay the enrollment fee. Parents will be billed from and pay directly to the college. Parents and students will be notified of the cost of the course at the beginning of each school year.
- Student must receive a "C" or better in the course to obtain college credit.

If students wish to transfer their Montgomery County Community College credits, they must request an official transcript from the college. This transcript must be sent to any college that the student is attending.

****Dual Enrollment Disclaimer***

Dual Enrollment through Montgomery County Community College		
PAHS Course Title	MCCC Course Title	MCCC Credit Value
English Composition I & II	ENG 101: English Composition I ENG 102: English Composition II	6.0 credits total (3.0 credits in Fall & 3.0 credits in Spring)
Probability & Statistics	MAT 131: Intro to Statistics	3.0 credits
Modern College Math	MAT 106: Math Applications	3.0 credits
Precalculus	MAT 161: Precalculus I	4.0 credits
AP/DE Chemistry	CHE 151: Principles of Chemistry I CHE 152: Principles of Chemistry II	8.0 credits total (4.0 credits in Fall & 4.0 credits in Spring)
Forensics Science	CIS 201: Intro to Criminal Forensics	3.0 credits
Spanish III	SPA 101: Elementary Spanish I SPA 102: Elementary Spanish II	6.0 credits total (3.0 credits in Fall & 3.0 credits in Spring)
Spanish IV	SPA 201: Intermediate Spanish I SPA 202: Intermediate Spanish II	6.0 credits total (3.0 credits in Fall & 3.0 credits in Spring)
French III	FRE 101: Elementary French I FRE 102: Elementary French II	6.0 credits total (3.0 credits in Fall & 3.0 credits in Spring)
French IV	FRE 201: Intermediate French I FRE 202: Intermediate French II	6.0 credits total (3.0 credits in Fall & 3.0 credits in Spring)
Safety and First Aid	ESW 145: Safety & First Aid	3.0 credits
Medical Terminology	HCP 224: Medical Terminology	3.0 credits
Medical Law and Ethics for Health	HCP 114: Med Law & Ethics for Health Professionals	3.0 credits
Careers in Healthcare	HCP 105: Careers in Health Care	2.0 credits

INDEPENDENT STUDY OPPORTUNITY

Work Study Opportunity

Grade 11 & 12

varies from 0.5 – 2.0 credits

Grades 9 – 12 for Student Tech Help Group

Students will be given the opportunity to earn credit for employment within the community. Signing up for this course requires pre-approval and verification of employment from management. This will be supervised by a cooperating teacher. The number of credits assigned will be determined based on work schedule. Students who are involved in the Student Tech Help Group, will receive credit for completing the Dell certification course and working the student technology help desk.

Teacher's Assistant

Grades 11, 12

varies from 0.17 - 1.0 credit

Students who are interested in a career in teaching, in a particular subject field, or are fluent in another language can apply to be a teacher's assistant. Students will be assigned to work with a teacher within the district to gain hands-on field experience. Tasks may include helping to plan and execute lessons, working in small groups with students, translating for EL students, or completing other tasks (printing, copying, organizing) for the teacher. Students should contact their school counselor if interested to learn more about the application process.

CORE COURSE SEQUENCE

These are the recommended courses for the prescribed levels; however, students may move levels based on the prerequisites required for the course as specified in the course's description. Students may have completed prerequisite course at the middle school level. Successful completion as a pre-requisite means passing of the course.

		9 th Grade	10 th Grade	11 th Grade	12 th Grade
Mathematics	AP/H	Algebra II H	Pre-Calculus H	AP Calculus AB* Calculus H AP Statistics*	AP Calculus BC* AP Statistics*
	CC	Geometry	Algebra II CC or Algebra II H	Pre-Calculus H	AP Calculus AB* or AP Statistics*
				Pre-Calculus DE*	
				Pre-Calculus CC	Calculus H
	Algebra I	Geometry	Algebra II/Algebra II H	Pre-Calculus DE* Pre-Calculus H Algebra III/Trigonometry	
Electives: AP Calculus AB*, AP Calculus BC*, AP Calculus Hybrid*, AP Computer Science Principles*, AP Computer Science A with Java Programming*, AP Statistics*, Statistics H, Discrete Math and Statistics, Calculus H, Intro College Algebra, Math Applications, Math Applications Hybrid, Modern College Math H DE*, AP Multi-Variable Calculus, Pre-Calculus H DE*, Programming Apps, Intro to Programming, Statistics H.					
English	AP/H	English 9 and Techniques of Writing	English 10	English 11 AP Language and Composition*	English 12 AP Literature & Comp* English Composition DE
	CC	English 9 and Techniques of Writing	English 10	English 11	English 12 English Composition
Electives: AP Research*, AP Seminar*, Creative Writing, Communication Arts and Speech, English Composition I and II DE*, Journalism, Mythology, Philosophy Media and Literature, Shakespeare, Theatre Arts, Introduction to Film Studies.					
Science	AP	AP Biology	AP Chemistry* or AP Environmental	AP Physics 1* or AP Environmental	AP Physics C* or Science Elective
	AP/H	Biology H	Chemistry H	AP Course or Science Elective	AP Course or Science Elective
		Physical Science H	Biology H or AP Biology*	Physics H* or AP Physics1* AP Environmental* Chemistry H or AP Chemistry*	AP Chemistry*, AP Physics C*, AP Environmental* or AP Biology Science Elective*
	CC (Adv Math)	Physical Science H or CC	Biology H or CC	Physics H Chemistry H or CC Environmental Science or AP Environmental* Science Elective	AP Physics 1* AP Chemistry* AP Environmental Science Elective
CC	Physical Science CC	Biology CC	Chemistry CC Environmental Science Science Elective	Intro Astronomy and Oceanography/hybrid Earth and Space Environmental Science Science Elective	
Electives: AP Biology*, AP Chemistry*, AP Physics 1*, AP Physics C*, Anatomy and Physiology, Earth and Space Interactions, Engineering with MATLAB, AP Environmental Science, Forensic Science*, Intro to Organic Chemistry and Neurochemistry, Introduction to Astronomy and Oceanography, Introduction to Astronomy and Oceanography-hybrid. * Students are required to take Biology during or before their Sophomore year.					
Social Studies	AP	AP World History*	AP US History*	AP Government*	Elective
	H	World History	American History	Economics and Government	Elective
	CC	World History	American History	Economics and Government	Elective
Electives: AP European History*, AP Human Geography*, AP US Government and Politics*, AP Microeconomics*, AP Macroeconomics*, AP Psychology*, AP US History*, AP World History*, Psychology, Sociology, , World Civilization H DE*, African-American History					

Electives may be added in addition to the core courses each year as long as the prerequisites are met. ***AP Disclaimer; *Dual Enrollment Disclaimer**

ART

Students who enroll in Art courses must be prepared to pay for some specialty materials that are used in individual projects. Additionally, students are required to keep a sketch book for homework assignments, as well as their own work, and for notes on the History of Art. Some Art classes will be offered on a rotating yearly schedule.

05154 Art I

Grades 9, 10, 11, 12

0.5 credit

Do you like to draw, paint, sketch, or work with a variety of media? Enroll in Art! This is a course designed for students who are interested in exploring techniques of visual expression. A variety of media will be introduced, which may include pencil, pen, ink, watercolor, acrylic paint, and mixed media. No artistic skill/previous art classes are necessary. Students will be introduced to the elements and principles of art and design, the conceptual building blocks of art, and will study basic rendering and color theory. This course allows students to learn more about drawing realistically and about how color affects mood and composition. Students will practice techniques in drawing and painting using both traditional, non-traditional, and mixed media. Students will become familiar with the studio environment. This will include the proper use of supplies and equipment. Students will be required to complete weekly homework assignments and participate in formal classroom critiques of their artwork. If you are interested in following the “Art Major Path” and intend to study art or pursue a career in art, Art I is recommended as a freshman.

05154B Art II H

Grades 10, 11, 12

1.0 credit

Prerequisite: 90% in Art I and end of year portfolio review

Are you passionate about art and committed to completing work outside of class? Do you plan to study art in college or pursue art as a career? Do you need to make a portfolio of your work? Do you plan to take the AP Studio Art Exam during your high school career? If so, enroll in Art II! Art II is a rigorous, honors level course designed for students who are interested in following the “Art Major Path” and plan to culminate their studies with AP Studio Art.

The emphasis in the course will be on further development of art skills and a deeper understanding of the elements and principles of art and design. Artistic challenges will be presented to students in order to stimulate individual ideas and encourage problem solving. Students will also develop an in-depth understanding of proportion, shading, composition, and color use. Students will explore several media that may include drawing, painting, printmaking, and digital design. Students will be required to complete work outside of class including weekly homework assignments, research, and written reflections. If you are interested in following the “Art Major Path” and intend to study art or pursue a career in art, Art II is recommended as a sophomore.

05154C Art III H

Grades 11, 12

1.0 credit

Prerequisite: 90% in Art I, 90% Art II and end of year portfolio review

Art III is a rigorous, honors level course designed for students who are interested in following the “Art Major Path” and plan to culminate their studies with AP Studio Art. The emphasis in the course will be on further development of art skills and a deeper understanding of the elements and principles of art and design. Students will develop facility with a variety of media that may include drawing, painting, printmaking, and digital design. Students will also practice rendering and drawing from life as a way to interpret their world. Students will be required to complete work outside of class including weekly homework assignments, research, and written reflections. Students will practice proposing and discussing their work through formal classroom critiques during which they will examine and evaluate their work using the vocabulary of art analysis. If you are interested in following the “Art Major Path” and intend to study art or pursue a career in art, Art III is recommended as a junior.

05172 AP 2-D Art & Design**Grade 12****1.0 credit****Prerequisite:** 90% in Art I, Art II, Art III and the recommendation of the Art Teacher

The focus of this extremely rigorous course is the creation of an AP Portfolio of work which is submitted to the College Board in the spring. The AP Portfolio can be in Drawing or 2-D Design and *must contain a minimum of 24 works of art*.

Twelve of the twenty-four works will be completed in a "concentration" area and twelve will comprise a "breadth" section. The concentration section of the portfolio is designed for students to develop a cohesive body of work that responds to a specific visual concept. The breadth section of the portfolio will include a variety of work that displays different concepts and approaches to art-making. It is essential that students manage their studio time; they will also be required to complete work outside of class including weekly homework assignments, research, and written reflections. Students will formally propose and discuss each artwork they create and will participate in formal classroom critiques during which they will examine and evaluate their work using the vocabulary of art analysis. ***AP Disclaimer**

05165 Mixed Media**Grades 9, 10, 11, 12****0.5 credit**

This is a hands-on course that allows students to create works in metal, papier maché, wire, foam plaster, or found objects. In Sculpture, students will study shape, form, and space and practice methods of assembling, installation, and a wide variety of additive and subtractive methods of sculpting. Students will become familiar with safe and appropriate tool usage and fluent with the terminology involved when working in three dimensions. This course is designed for any student with an interest in 3-D media and can also be a supplement to students on the "Art Major" track.

05167 Digital Photography I**Grades 10, 11, 12****0.5 credit**

Students will learn how to use their cameras to control aperture, exposure, depth of field, and shutter speed. Students will be able to identify available natural light and create additional lighting. Students will be able to identify good exposure and composition and will practice creating this in their photographs. Students will learn how to use Photoshop to manipulate their photographs after taking them. This course is for any student who is interested in photography; it would also be an excellent supplement for a student who is following the Art Major path.

05167B Digital Photography II**Grades 11, 12****0.5 credit****Prerequisite:** 80% in Digital Photography I

Students will experiment with Photoshop & Lightroom to manipulate their photographs and digital images. They will practice using the elements & principles of art and design to create photo essays and mixed media photographic works. This course is for any student who is interested in photography; it would also be an excellent supplement for a student who is following the Art Major path.

05159 Ceramics I**Grades 10, 11, 12****0.5 credit**

Ceramics will explore the elements and principles of art with a special focus on shape, form, space, color, and texture. Students will experiment with clay by hand-building, wheel throwing, and working with slip and molds. Students will study methods of assembling clay pieces, adding texture, and glazing. This course is designed for any student with an interest in clay and can also be a supplement to students on the "Art Major" track.

05159B Ceramics II**Grades 11, 12****0.5 credit****Prerequisite:** 80% in Ceramics

Ceramics II is an extension of Ceramics I. Students will focus on function and form. Ceramics II students will work more specifically with slips, glazes, alternate clay bodies, sculptures, and assemblage. Students will create ceramic pieces as sculpture—incorporating other media and materials into their ceramic work. Students will also be challenged to make collections of functional work that contain multi-piece units. This course is designed for any student with an interest in clay and can also be a supplement to students on the "Art Major" track.

05157 Mural Arts H**Grades 10, 11, 12****1.0 credit**

Mural Arts Students will learn about the elements and principles of art and design as they relate to Mural Arts. This course is designed to replicate a realistic working-artist scenario where student-artists must design, propose, and execute a mural in a school space. Students will be "commissioned" to complete a mural on a given wall and will create a proposal presentation in order to "pitch" their ideas to the school administration. This comprehensive process will teach students to create visual designs that reflect the values of their community, enhance spaces, and visually project a mood, message, or concept. The mural-painting process will be explored and the history of mural arts presented with a focus on the local murals in Phoenixville and Philadelphia.

10202A Graphics I**Grades 10, 11, 12****0.5 credit**

This introductory course is for beginning students in graphics and the other allied industries. The course uses two software packages: Adobe Photoshop CS3 and Autodesk 3ds Max. Photoshop is the leading imaging software application.

10202B Graphics II**Grades 11, 12****0.5 credit****Prerequisite:** Successful completion of Graphics I

In this advanced study of graphic arts and digital photography, areas of study include digital photographic techniques, and computer-generated design. Emphasis will be on two software packages: Adobe Photoshop CS3 and Autodesk 3d Max. The course is project based. Students will have teacher designed activities and projects along with individualized student projects.

BROADCAST PRODUCTION

11103 Broadcast I

Grades 9, 10, 11, 12

1.0 credit

This course is designed for all students who wish to design, construct, participate in, and lead a television studio environment. Students will become proficient at every studio position, as well as find their own specialty. Students will have an opportunity to create projects for airing on Phantom TV and for submission to video competition and film festivals.

1103B Broadcast II

Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Broadcast I

This course is for students who have already taken the Broadcast I course and wish to deepen their knowledge to design, construct, participate in, and lead a television studio environment. Students will become proficient at every studio position, as well as find their own specialty. Students will have an opportunity to create projects for airing on Phantom TV and for submission to video competition and film festivals.

11105 Sports Broadcasting and Journalism

Grades 9, 10, 11, 12

0.5 credit

This course will teach students practice techniques for on-air presentation of sports content through the use of the TV Studio equipment. They will learn operations for all components of a broadcast, including camera options and video editing. Students will be expected to participate and assist with Phantom TV sports programming, including the taping of game events. The key components of the curriculum will be camera operations, Control Room operations, video editing, on-air presentation, and field reports. Students will also be expected to create a studio show that incorporates graphics and/or video of high quality and suitable for airing on Phantom TV.

11056A TV Production I

Grades 9, 10, 11, 12

0.5 credit

This course is designed for students who wish to learn about the elements of video production. The course covers the camera, video recorder, composition, types of camera shots and movement, shot sequences, camera techniques, sound recording, lighting, editing, storyboard creation, and studio development. Students will master these concepts and also be involved with various Phantom TV Productions that are done in the TV Studio.

11056B TV Production II

Grades 10, 11, 12

0.5 credit

Prerequisite: Successful completion of TV Production I or Involvement with Phantom TV *or* Teacher Permission

This course is designed for students who want to extend their experience in learning video with an emphasis on production. Students will create commercials, public service announcements, informational videos, as well as special projects that will air on Phantom TV. Students will be encouraged to submit projects to area video competitions and film festivals.

11056C TV Production III

Grades 11, 12

0.5 credit

Prerequisite: Successful completion of TV Production II *or* Involvement with Phantom TV *or* Teacher Permission

Students who wish to promote their skill to the mastery level. Students will provide a communication resource for the district and community through presentations, special announcements, and informational videos. Students will continue to expand their skills in video editing and create a project that will be submitted for a competition or film festival.

11051A Phantom TV After School

Grades 9, 10, 11, 12

0.25 credit

Students will assist Phantom TV with a variety of projects and shoots that occur beyond the school day. Individual student schedule will be worked out with teacher, but enrolled students should be able to contribute at least one day a week after school or in the evening. Some evening work will be required in order to receive credit. This would include the production of sports events, school performances, and school board meetings. This course may be repeated for additional credit.

11051B Phantom TV Morning News

Grades 9, 10, 11, 12

0.25 credit

Students will participate in the Phantom TV Morning News telecasts for academic credit. Students must be able to report to the TV Studio **no later than 7:15 a.m.** and are expected to contribute to the morning news either in front or behind the camera at least twice a week. This course may be repeated for additional credit.

BUSINESS & CAREERS

12103 Personal Finance

Grades 9, 10, 11, 12

0.5 credit

This course is designed to prepare students for the financial responsibilities they will face upon graduation and most importantly as a consumer through the teaching of financial concepts. They will gain practical life skills and knowledge necessary to maintain the finances of a household with topics such as: paychecks, budgeting, income taxes, checking accounts, saving and investing, credit, buying a car, renting/leases and insurance.

12104A Accounting I

Grades 10, 11, 12

1.0 credit

Accounting is the language of business- the process of recording, analyzing, interpreting, and reporting financial information used by managers and owners of businesses. Knowledge of accounting is a crucial component for any student interested in pursuing a college major in Business, as well as for those who will choose entrepreneurial ventures and small business ownership.

12104B Accounting II H

Grades 11, 12

1.0 credit

Prerequisite: 70% in Accounting I

This course is designed for the student who wants to enhance accounting concepts acquired in Accounting I and is an excellent head start for those planning to major in Business/Accounting in college. Students will explore the role of accounting information in evaluating corporate financial performance and the importance of this information in executive decision-making. Through accounting simulations and case studies, students will develop skills in analytical thinking and apply their knowledge of accounting to real-world situations.

12104C Accounting III H

Grade 12

1.0 credit

Prerequisite: 70% in Accounting II

Accounting III will build on the accounting skills and concepts learned in Accounting I and Accounting II. Students will go deeper into the accounting process for corporations as well as add the new concepts of managerial accounting and internal controls. Analysis of real-world financial documents in order to assess a business' financial stability, profitability and net worth will be a significant component of this course.

12051 Fundamentals of Business

Grades 9, 10, 11, 12

0.5 credits

This course provides students with the opportunity to develop the skills necessary for success in the local and global world of business. Students will be introduced to the business principles of an increasingly international marketplace and the processes by which businesses operate. This course provides an introduction to other business courses.

12053 Entrepreneurship

Grades 10, 11, 12

0.5 credit

This class is designed to give students an opportunity to gain real-life experience in the world of retail. Students will be trained to run a small business in a school setting (Phantom Station). It will focus on useful skills associated with retail businesses, product design, inventory control, advertisement, and promotion and customer service. Business theory will be taught in conjunction with the hands-on operation of a store.

12054 Business Law

Grades 10, 11, 12

0.5 credit

This course engages students in legal issues and cases that involve the laws that govern business and commerce. Students will study contracts, torts, property law, employment law, and white-collar crimes. Students will find this course relevant to the legal environment in which they live and better understand the legal methods and procedures to running a business.

12163 Sports and Entertainment Marketing

Grades 10, 11, 12

0.5 credit

Sports and Entertainment Marketing is one of the most exciting and competitive businesses in the world today. The success of a company hinges on how effectively it markets its products or services. This course introduces students to the skills necessary to be a successful marketer in a global economy, using events and situations in the areas of sports and entertainment. The course will have students actively engaged in the functions of marketing, concepts of leadership, finance, human resources, ethical and legal issues, product management, and customer relations. Students will apply creative and high-level thinking to real-world business situations. In addition, students will have the opportunity to visit and see first-hand how a sports or entertainment venue operates and performs its marketing duties. **This elective can be counted as a technology credit.**

12167 Social Media Marketing

Grades 9, 10, 11, 12

0.5 credit

Twenty first century learning is the central focus of this course. Students need to learn not only new technologies, but also new skills to adapt to these ever-changing technologies. This course is designed to make students proficient in social media communications and the responsibilities that go along with technological advancement. **This elective can be counted as a technology credit.**

19151 Educators Rising

Grades 11, 12

1.0 credit

The Educators Rising curriculum emphasizes the foundations of the education system as well as fundamental teaching practices that are central to high school students who are thinking about or interested in pursuing a career in the field of education. Rising educators will explore units that include "Building your Mindset", "Exploring Careers in Education", "Effective Teaching Practices", "Diversity in Education", and "The Current Educational Landscape". Students will also be able to start to build a teaching portfolio, gain experience in classrooms, and participate in many opportunities only available to them through their experiences in Educators Rising.

ENGLISH

The purpose of Phoenixville Area High School's English curriculum is to provide continued, concentrated instruction in written composition and oral communication, and to focus on the literature of America and the world.

Department Requirements: During their four years at Phoenixville Area High School, students are expected to earn at least 4.5 credits in English by taking Techniques of Writing and Elements of Literature in 9th grade, Cultural Currents in Literature in 10th grade, American Literature in 11th grade, and British and European Literature in 12th grade. Students may also choose, AP Language and Composition in 11th grade, and AP Literature and Composition in 12th grade.

Written Communication: The goal of instruction in composition is to help students develop confidence in their ability to express ideas effectively in writing. They are shown how to use writing processes, from exploring ideas about what to write, to revising, and refining expression of thought. A research component is part of year-long courses.

Oral Communication: Every student engages in a number of speech activities during each course. Continuing objectives are to help students develop a sense of confidence when addressing an audience and to practice listening skills.

Literature: In addition to thoughtful, critical analysis of literature, a major goal of the literature program is to acquaint students with their global literary heritage. Whether organized by chronology, by theme, or by literary genre, the study of literature emphasizes the relationships among literary works, the cultures in which they have been produced, and the reader.

01001 English 9: The Elements of Literature



Grade 9

1.0 credit

Prerequisites: H: a minimum of 90% in 8th grade Language Arts, an "Advanced" on 7th grade Reading PSSA, and recommendation from 8th grade teacher. **If a student does not meet all the prerequisites and wishes to enroll in a higher level, the student will be required to take the summer bridge course.**

CC: Successful completion of 8th grade Language Arts. **If a student's previous grade is below a 70% or the writing test score is less than 3, the student will be recommended for the Eighth to Ninth Grade Bridge program.**

This course is designed to introduce students to the structural and stylistic elements of a full range of literary genres including the novel, drama, short stories, essays, and poetry. By focusing on select and reading-level appropriate texts, students will enhance their analytical understanding of the art of literature and develop their reading and writing skills. Instructors will emphasize active reading for comprehension, interaction with the text, written responses to reading and media, and careful analysis of the forms and methods of great literature. The course will include a variety of integrated technology, oral presentations, vocabulary lessons, and grammar activities that are directly related to the students' reading and writing assignments. College prep and accelerated classes will receive extra support or instruction in reading and writing as recommended by reading specialists, counselors, or learning support teachers.

01101 Techniques of Writing/Pathways Exploration

Grade 9

0.5 credit

This course is designed to familiarize students with different forms and techniques of academic writing with a particular focus on research-based writing projects about potential post-secondary careers. In this course, students will explore four career pathways: Pathway 1: Arts, Communication and Humanities Pathway 2: Business
Pathway 3: STEM Pathway 4: Education and Human Services

Exploration activities will include guest speakers, career readiness assessments, personality and learning style inventories, and exposure to PAHS elective offerings. The coursework will guide students through the process of writing, including methods for effective prewriting, drafting, revising, and editing, enabling students to produce quality writing that meets the highest standards. As the course is designed to address the needs of each student, grading will be based on a student's effort and improvement, participation in exploration activities as well as the quality of their writing. Students will also participate in monitoring their own progress through self-assessment.

01051 English 10: Cultural Currents in Literature

Grade 10

1.0 credit

Prerequisites: H: 70% in English 9 H or 90% in English 9 CC

CC: Successful completion of English 9 CC

This course is designed to expose students to outstanding works of world literature as representations of cultural values and issues. Students will explore the variety of human experience through works of the Americas, Europe, Africa, Asia and the Middle East. Works will emphasize the teaching of tolerance and the understanding of differences through the literature of cultural conflicts and their resolution. These literary works will be used as a catalyst for creative writing, expository essays, research assignments, and multimedia projects.

01054 English 11: American Literature

Grade 11

1.0 credit

Prerequisites: H: 70% in English 10 H or 90% in English 10 CC

CC: Successful completion of English 10 CC

This course is an exploration of the American character through the study of novels, plays, short stories, essays, and poetry that span the rich traditions of our American heritage. The curriculum follows a chronological progression, with representative classics from the Native-American, Puritan, Revolutionary, Transcendentalist, Romantic, Realist, Modernist, Feminist and Post-Modernist literary movements. Instructors will emphasize critical reading and analytical writing, and students will engage in increasingly challenging literary analysis culminating in a critical analysis research paper.

01005 English 11 AP Language and Composition

Grade 11

1.0 credit

Prerequisite: 80% in English 10 H

The AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts. The course emphasizes the expository, analytical and argumentative writing that forms the basis of academic and professional communication as well as the personal and reflective writing that fosters the development of writing facility in any context. As in the college course for which this course substitutes, the purpose is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. A research paper in the third quarter is a requirement for the course. ***AP Disclaimer**

01102 English Composition H DE



Grade 12

1.0 credits

Prerequisite: 70% in English 11 H or 90% in English 11 CC

English Composition I is based on the premise that clear thinking generates clear writing. The student learns how to use the tools of effective writing and how to develop ideas through such expository patterns as narration, description, illustration and example, analogy, definition, comparison and contrast, cause and effect, process analysis, and classification. Emphasis is placed on organizing specific kinds of evidence to support sensible conclusions. Selections from a variety of materials (fiction, poetry, drama, magazines, etc.) provide the stimulus for discussion and writing. Research techniques are included

This class must be taken for college credit. *Dual Enrollment Disclaimer

01056 English 12 British and European Literature



Grade 12

1.0 credits

Prerequisites: H: 70% in English 11H or 90% in English 11 CC and “Proficient” on Keystone Literature Exam

H Hybrid: 70% in English 11H or 90% in English 11 CC and “Proficient” on Keystone Literature Exam

CC: Successful completion of English 11 CC

This course is a chronological survey of essential works of British and European Literature from Beowulf, Shakespeare, the Romantic Poets, and Orwell with a focus on the historical context and philosophical implications of these canonical works. Students will analyze a variety of texts as reflections of historical periods of thought and culture and as prototypes for modern literature. Students will connect literature to a broad range of themes and will be encouraged to develop their own voice and opinions through critical discussion, writing, analysis, multimedia presentations, and research projects.

01006 AP English 12 Literature and Composition



Grade 12

1.0 credit

Prerequisite: 80% in English 11H and “Advanced” on Keystone Literature Exam

The Advancement Placement English course in Literature and Composition is a rigorous college level class designed for twelfth grade students. The course requires careful reading and critical analysis of works of literary merit. The students will read material from the sixteenth through the twenty-first century. In addition to considering a work’s artistry, the students will consider the work’s social and historical value. Writing assignments will include expository, analytical, and argumentative essays, as well as creative responses to the literature. Additionally, some of the writing will be done under strict time constraints as practice for the AP exam. Also, an extended research project will be completed. ***AP Disclaimer**

01106A AP Seminar, Part 1 of 2 for AP Capstone Certificate



Grades 11, 12

1.0 credit

Prerequisite: Minimum 90% in core English course and written recommendation of current English teacher

A foundational course for juniors and seniors that aims to equip students with the skills to analyze and evaluate information with accuracy and precision; to conduct effective research and evaluate evidence; to construct evidence-based arguments; and collaborate and communicate their own perspectives. The course features topics and themes that engage students in cross-curricular conversations that explore the complexities of academic and real-world questions or issues through the examination of divergent perspectives. Students engage in these conversations through a variety of lenses, considering multiple points of view to gain a rich appreciation for and understanding of the complexity of important issues.

Using an inquiry framework of questioning, understanding, evaluating, synthesizing, and transforming, students explore selected topics by practicing reading and analyzing articles, research studies, foundational, literary, and philosophical texts;

listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students will be assessed through course performance tasks such as team projects, individual projects, research-based essays and the end of the course AP exam. **Students who take AP Seminar followed by AP Research will be eligible for the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of their choosing receive the AP Capstone Diploma™. Student who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams receive the AP Seminar and Research Certificate™.**

01106B AP Research, Part 2 of 2 for AP Capstone Certificate

Grade 12

1.0 credit

Prerequisite: AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research

This course allows students to deeply explore the academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the *AP Seminar* course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000 to 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **Students who take AP Seminar followed by AP Research will be eligible for the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of their choosing receive the AP Capstone Diploma™. Student who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP exams receive the AP Seminar and Research Certificate™.**

05052A Theatre Arts

Grades 9, 10, 11, 12

0.5 credit

Theatre Arts covers a wide range of material from the history of drama to the actual production. The students will learn the origins of drama and its relevance to the society in which it was written. Through performances, the students are encouraged to question, invent, and perform creatively. Students spend time learning to overcome stage fright and to gain presence through charades, pantomimes, improvisations, and other activities, which are fun as well as beneficial. Through the study, performance, and evaluation of plays, students will seek to enhance communication skills and an understanding of theatre's exploration of oneself and the world. Finally, students will be encouraged to enhance his/her acting techniques through storytelling, radio drama, nonrealistic improvisations and other activities, which allow creativity to flourish. This course will also increase the students' understanding of human nature through the study, analysis and performance of plays from various dramatic styles and historical periods.

01151 Communication Arts/Public Speaking



Grades 9, 10, 11, 12

0.5 credit

This course provides practical instruction, relevant activities, and formal assignments designed for students to develop the skills to deliver effective presentations to an audience and become effective public speakers. Students will deliver formal and informal speeches, and debate controversial topics. In addition, students participate in group discussions, and learn to improve communication, problem solving, and teamwork. A field trip to an escape room will test students' ability to communicate effectively. This class is a fun way to gain speaking experience, improve delivery skills and build self-confidence. Since many colleges require students to take a public speaking course, this is a great opportunity to overcome speaking fears.

01104 Creative Writing

Grades 9, 10, 11, 12

0.5 credit

Prerequisite: It is recommended that students complete Techniques of Writing prior to selecting Creative Writing.

The purpose of this course is to familiarize students with different forms and techniques of fiction and poetry. The Creative Writing elective uses an individualized lab approach to writing, emphasizing revision to improve skills, language, and mechanics. Students will read representative works and develop their craft in a supportive workshop environment. Students will also be encouraged to contribute their creative work to the high school literary publication, *Gazebo*.

11101 Journalism/School Newspaper

Grades 10, 11, 12

1.0 credit

Prerequisite: A passing grade in the previous core English class; satisfactory completion of Techniques of Writing

11101J First year

11101K Second year

11101L Third year

The focus of this course is on newspaper journalism, with an emphasis on news writing, entertainment reviews and feature/human interest writing. Students will be required to conduct interviews and write articles for the school newspaper, *The Purple Press*. In order to successfully complete assignments, students will need to gather information for stories outside of regular class time. Students need to be dedicated to accurate writing, revision, editing, and be able to meet deadlines. This class may be taken more than one year for additional credit.

01060A Shakespeare in Modern Culture

Grades 10, 11, 12

0.5 credit

Prerequisite: A passing grade in the previous core English class

Students will analyze the broad impact of a selection of Shakespeare's most important plays on American popular culture and other cultures by examining and evaluating how these works have been represented or misrepresented in a variety of film adaptations including American and international films, television programs, and other media. By comparing directors' visions and actors' choices with the original texts, students will explore the influence of the artistic medium, cultural and artistic norms, political ideologies, commercial influences, and gender issues in each adaptation. Students will examine how theatre, television, and film artists make highly visual performance events out of dramatic literature. Students will examine how Shakespeare's texts present multiple possibilities to those who interpret them. Given the powerful status of Shakespeare in many cultures of the twentieth century, a Shakespearean film must be studied not merely in itself, but also as a contribution to the ongoing reinterpretation and appropriation of Shakespeare. Students will study a variety of films and work on the theoretical and cultural relationships between them.

01061 Mythology

Grades 10, 11, 12

0.5 credit

Prerequisite: A passing grade in the previous core English class

Students will study the major myths of Greek, Roman, Norse, Celtic, Egyptian, African, and Native American cultures through primary and secondary sources. We will discuss gods, heroes, heroines, quest narratives and explore what they reveal about the cultures which spawned and celebrated them. Students will learn about the social function of mythology and relate their learning to our own culture through an investigation of contemporary pop "mythology" such as Star Wars. Students will write their own myths, analyze texts of ancient and modern mythology, and create a hero/heroine using Joseph Campbell's archetypal Hero's Journey.

05168 Introduction to Film Studies**Grades 9, 10, 11, 12****0.5 credit**

The purpose of Introduction to Film Studies is to introduce students to the basic concepts in the study of film as an art, a technique, and a cultural reflection. A goal of the course is to provide students with the language of film critique with which to talk about and write about film art, from both a technical and an aesthetic perspective. The course will focus on the major areas of film study, including some film theory and history. This is an overview class, designed to give students the opportunity to further study the technology of film, all while promoting critical thinking by making meaning and analyzing films.

0090A English Essentials**Grades 9, 10, 11, 12****1.0 credit**

Students are recommended and placed into this course based on Exact Path data, Lexile level based on a Read180 assessment, and English Keystone scores. Students will take English Essentials in addition to their grade level English course. The purpose of this course is to remediate gaps that exist in students' reading and writing skill to help them be more proficient and thus more successful in their English classes and beyond.

ENGLISH LANGUAGE DEVELOPMENT

At the high school, classes are scheduled for those students whose native language is not English, and who are in need of English language instruction and academic support. Our ELD (English Language Development) Program provides English Learners (ELs) with curricula and support to improve their listening, speaking, reading, and writing skills in English. The goal is to enable students to communicate socially, culturally, and academically using oral and written English language. Our curriculum is aligned with the Pennsylvania Department of Education's English Language Development (ELD) Standards and WIDA Can-Do Statements. Our students receive ELD instruction and support throughout their day from our level 1- level 3 direct instruction classes, co-teaching content area classes in Literature, Math, Science, Social Studies, and Health, as well as study skills classes. Students' progress and English proficiency levels are monitored by formative and summative assessments and the WIDA Access Test.

01008A/C English I

Grades 9, 10, 11, 12

2.0 credit

English I is a beginner course for multilingual students learning English. This course is designed to prepare English Learners to acquire basic English language skills for communication and academic settings. Students will learn the basics of the English language through vocabulary building, reading of fiction and non-fiction texts, and writing responses. Students will learn and improve in the 4 language domains of listening, speaking, reading, and writing.

01008B/D English II

Grades 9, 10, 11, 12

2.0 credit

Prerequisite: Successful completion of English I, a WIDA score of 1.8-2.5, or teacher recommendation

English II is a pre-intermediate course for multilingual students learning English. While continuing to build general and academic vocabulary, the course provides an introduction to literary analysis and formal writing skills. Interactive instruction and activities are designed to improve students' communication in all four domains of language: speaking, listening, reading, and writing. With appropriate scaffolding, students will be able to engage in academic conversation, read and interpret fiction and non-fiction texts, and write short opinions, analyses, and summaries of text.

01008M English III

Grades 9, 10, 11, 12

1.0 credit

Prerequisite: Successful completion of English II, a WIDA score of 1.8-3.5, or teacher recommendation

English III is an intermediate course for multilingual students learning English. The course is designed to prepare English Learners for the transition to high school English Language Arts courses. With an emphasis on literature, formal writing skills, and vocabulary building, students in this class will improve their communication in all four domains of language: speaking, listening, reading and writing. Students will be able to engage in academic conversation with moderate scaffolding, read and interpret fiction and non-fiction texts, and write short opinions, analyses, letters, and summaries of text.

01008G ELD Study Skills**Grades 9, 10, 11, 12****0.17 – 1.0 credit**

Study Skills for English Learners is designed to support and reinforce the skills necessary for improved success in the classroom, particularly the content areas. With basic daily and weekly organizational routines, students bring their assignments, questions, unfinished quizzes and exams to the classes to get additional time or work with the English Language Development teachers. Emphasis will be on reading comprehension of the materials to support successful output. Students will also learn time management, organizational skills, test preparation skills, and develop English vocabulary. Students are to meet daily or on alternate days based on their needs and schedule requirements.

02049C Foundations of Mathematics**Grades 9, 10, 11, 12****1.0 credit**

Foundations of Mathematics is designed to serve students who are newly arrived in the country and for whom English is not their first language. This course provides a comprehensive learning experience that focuses on fundamental mathematical skills and English language development. The course covers essential math concepts, ensuring that students acquire the skills necessary to excel in this subject. As students embark on their journey in this class, they will not only enhance their mathematical proficiency but also fortify their use of the English language.

02051L Pre-Algebra for ELs**Grades 9, 10, 11, 12****1.0 credit**

Prerequisite: successful completion of Foundations of Math or placement by teacher recommendation

Pre-Algebra for English Language Learners is specifically designed for students who are English language learners. Building upon the foundational knowledge gained in the 'Foundations of Mathematics' course, this program provides an enriching mathematical experience tailored to meet the unique needs of English language learners. It nurtures their confidence in manipulating algebraic expressions, equations, and inequalities, promoting mathematical fluency. Upon successful completion of this course, students will be better equipped and prepared to delve into Algebra I.

06106 Spanish for Native Speakers and Heritage Learners**Grades 9-12****1.0 credit**

In this course students with basic conversational and literacy skills in Spanish will develop their Spanish language proficiency through interpretive, interpersonal and presentational tasks. Students will read literature predominately about the Latinx experience in the United States. Students will work on improving their ability to read and write in an academic setting. Students will investigate and discuss a variety of topics such as immigration, education, current events, family traditions, social justice and identity. To enroll in this course, students must take a placement exam.

MATHEMATICS

The Mathematics Department provides a continuous program of instruction designed to meet the needs of the individual student by varying both the content offering and the pace of instruction. Basic to the philosophy of the Mathematics program is the belief that the course offerings should provide the broadest possible base for the future needs of the student and foster an appreciation for mathematical patterns, structures, and applications. An important aspect of instruction and technology employed in all courses includes the integration of graphical, numerical, analytical, and verbal expression of concepts. Critical concepts are present in all courses:

- Algebra as an important tool for modeling and problem-solving
- Geometry in 2 and 3 dimensions
- The study of vectors, matrices, counting, and data analysis
- Calculator and/or computer-based explorations

02052 Algebra I CC (Lab)

Grade 9, 10, 11, 12

1.5 credits

Prerequisite: Successful completion of Pre-Algebra A & B

This course is intended for students who are ready to begin the formal study of Algebra. Students who successfully complete Algebra I should be able to:

- solve and graph linear equations and inequalities in one or two variables
- add, subtract, multiply, and divide signed numbers, polynomials, and rational expressions
- solve systems of linear equations and inequalities graphically and algebraically
- factor algebraic expressions involving common monomials, common binomials, difference of two squares, trinomials, and combinations of the types mentioned
- solve simple quadratic equations with rational roots by factoring
- add, subtract, multiply, divide, and simplify algebraic fractions and square root radicals
- solve fractional equations
- apply the techniques of Algebra to solve application problems, determine how a change in one variable is related to a change in a second variable
- analyze and/or use patterns and relations
- analyze and interpret data on a scatter plot, and use data to make predictions
- apply probability theorems to practical situations
- write and solve non-linear equations using various methods
- use measures of dispersion to describe a set of data

02052S Algebra I CC (Block)

Grade 9, 10

1.0 credit

Prerequisite: Successful completion of Algebra 1 and scored Basic (between 1450 and 1499) on the Keystone Exam

This semester long course meets for 2 periods every day. Students will relearn Algebra 1 to remediate their skills in order to score achieve Proficiency on the Keystone Exam during the Winter testing window. Upon successful completion of the course, students will be enrolled in the second-semester Geometry Block course.

02052A Algebra 1 CC (No Lab)

Grades 9, 10

1.0 credit

Prerequisite: Completion of Algebra 1 and scored Basic or Below Basic (below 1450) on the Keystone Exam

This year long course meets for 1 period every day. Students will relearn Algebra 1 to remediate their skills in order to

achieve Proficiency on the Keystone Exam during the Spring testing window.

02072 Geometry

Grades 9, 10, 11, 12

1.0 credit

Prerequisites: H: Grade 9: 90% in Algebra I and Proficiency achieved on Algebra I Keystone Exam in 8th Grade
Grades 10, 11, 12: 90% in Algebra I CC

CC: Grade 9: Successful completion of Algebra I and Proficiency achieved on Algebra I Keystone Exam
Grades 10, 11, 12: Successful Completion of Algebra I CC

All of the geometrically significant topics and theorems typically found in a yearlong Geometry course will be presented during this course. Geometry is the study of Euclidean Geometry with an emphasis on independent thinking and deductive reasoning. The rigor of the material covered will vary with the level of the course. Topics include parallelism, congruence, similarity, area, and volume, right triangle, trigonometry, and coordinate geometry. Students who have successfully completed this course should be able to develop and prove properties of geometric figures and develop and prove properties of angles, lines, planes, triangles, quadrilaterals, polygons, circles, and polyhedrons.

02072S Geometry CC (Block)

Grades 9, 10

1.0 credit

Prerequisite: Successful completion of Algebra 1 CC (02052S)

This class meets for 2 periods every day during the second semester after completing Algebra 1 during the first semester. Students will complete Geometry as described above.

02056 Algebra II

Grades 9, 10, 11, 12


1.0 credit

Prerequisites: H: 80% in Geometry H and a 90% in Algebra I

CC: Successful completion of Geometry

All of the traditional topics will be addressed in these Algebra II courses. The rigor of the material covered will vary with the level of the course. This course extends the concepts learned in Algebra I to include the complex number system and functional notation. Students who have successfully completed this course should be able to:

- graph, analyze, solve, and factor first and second-degree equations and inequalities in one or more variables
- simplify, evaluate, and perform the four basic operations on polynomials and rational expressions
- solve quadratic equations and related problems by factoring and by using the quadratic formula
- solve fractional equations in one and two variables and solve related problems
- simplify and perform the four basic operations on radicals
- solve radical equations

02110 Pre-Calculus 
Grades 9, 10, 11, 12

1.0 credit

Prerequisites: H: 80% in Algebra II H or 90% in Algebra II CC

CC: 70% in Algebra II or successful completion of Algebra III

DE: 80% in Algebra II H and Geometry H or 90% in Algebra II CC and Geometry CC and achieved the required score on the accuplacer exam

These Pre-Calculus courses are designed to prepare students for high school or college Calculus. The rigor of the material covered will vary with the level of the course. A functional approach is used throughout to provide an extensive treatment of topics from Algebra, Trigonometry, and Analytic Geometry. The topics include polynomial and rational functions, graphing techniques, exponential and logarithmic functions, sequences and series, and all of the topics covered in a semester course in Trigonometry. Students who have successfully completed this course should be able to:


- demonstrate a working knowledge of elementary functions including linear, quadratic, trigonometric, exponential, logarithmic, and special functions
- demonstrate an understanding of functional notation, functional operations including composition and inverse
- graph a wide variety of functions including exponential, logarithmic, and trigonometric functions
- apply the concepts of absolute value, horizontal and vertical shifts, and periodicity to predict changes in given graphs that result from these applications
- apply the Fundamental Theorem of Algebra, the Rational Root Theorem, and synthetic division to solve higher-order polynomial equations and inequalities
- demonstrate an understanding of matrices, series, and sequence
- solve a wide variety of problems drawn from related disciplines. ***Dual Enrollment Disclaimer**

02057 Algebra III/Trigonometry CC 
Grades 11, 12

1.0 credit

Prerequisite: Successful completion of Algebra II


Algebra III is planned for students who wish to continue their study of Algebra, to reinforce and extend their knowledge of Algebra concepts and skills. Topics to be studied build on those in Algebra II, and include a study of functions, matrices, linear systems and linear programming, combinatorics, probability and statistics, and sequences and series. Some Trigonometry topics are also included in this course. Graphing calculators and other technology will be used to illustrate concepts and applications.

02121H Calculus H 
Grades 11, 12

1.0 credit

Prerequisite: 70% in Pre-Calculus H or 80% in Pre-Calculus CC


The study of Calculus Honors focuses on developing a student's understanding of the concepts of Calculus and providing experience with its methods and applications. The course includes an introduction to functions and limits, an extensive study of differentiation, and the basics of integration. The course applies differentiation to minimum and maximum and related rate problems, and integration to surface areas and volumes. Unifying themes of derivatives, integrals, limits, approximation, and applications and modeling are studied.

02124 AP Calculus AB 
Grades 10, 11, 12

1.0 credit

Prerequisite: 80% in Pre-Calculus H or successful completion of Calculus Honors


The study of AP Calculus AB focuses on developing a student's understanding of the concepts of Calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to Calculus, with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Unifying themes of derivatives, integrals, limits, approximation, and applications and modeling are studied. Technology will be used by students to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results. ***AP Disclaimer**

02125 AP Calculus BC 
Grades 11, 12

1.0 credit

Prerequisite: Successful completion of AP Calculus AB


AP Calculus BC provides a second year of Calculus and prepares students for the AP Calculus BC exam. Topics include further study of limits, derivatives, and integrals, parametric, polar and vector functions, and polynomial approximations and series. This course emphasizes a multi-representational approach to the study of Calculus with Calculus concepts analyzed graphically, numerically, and algebraically. ***AP Disclaimer**

02201 Discrete Math and Statistics CC 
Grades 11, 12

1.0 credit

Prerequisite: Successful completion of Algebra II


The first semester of this course focuses on Discrete Math, the branch of Mathematics dealing with distinct and discontinuous numerical concepts. Topics include election theory, graph theory, matrix operations and applications, counting, and probability. The second semester is Statistics, a concept-based study that focuses on the interpretation of statistical data. Statistical ideas and reasoning, data, and chance are emphasized, as well as the relevance of statistics in our everyday lives and the application of statistics in the Social Sciences, from medicine to Psychology.

02201H Statistics H/DE 
Grades 11, 12

1.0 credit

Prerequisite: 80% in Algebra II H or 90% in Algebra II CC

This course is designed for students who wish to gain an introduction to statistical concepts and their use in critical thinking. Students will gain an understanding of the applicability of statistics, the methods and procedures of proper data analysis, and analysis of their results in context. The course includes topics in data analysis, normal models, linear regression, data collection, probability and inference concepts. ***Dual Enrollment Disclaimer**

02203 AP Statistics 
Grades 11, 12

1.0 credit

Prerequisite: 80% in Pre-Calculus H or 90% in Pre-Calculus CC

The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The topics for AP Statistics are divided into four major theme topics: exploratory analysis of data, planning a study, probability, and statistical inference. This course provides a rigorous mathematical

approach to the study of statistics and will follow the national curriculum. ***AP Disclaimer**

02122 Multi-Variable Calculus with Advanced Topics Honors



Grade 12

1.0 credit

Prerequisite: 80% in AP Calculus BC and a 3 or above on the AP Calculus BC exam

This course is a continuation of the calculus sequence and is intended for students who successfully completed AP Calculus BC. Students who successfully finish this course should be prepared for advanced college calculus or differential equations. This course is weighted at an AP level. Topics Include: vectors in Euclidean Space, vector analysis, analytic Geometry of three dimensions, curves in space, partial derivatives, optimization techniques, multiple integrals, vector fields, Green's Theorem, Divergence Theorem, and Stokes' Theorem. This course is weighted like an AP Course due to the pre-requisites.

02154 Mathematics Applications

Grade 12

1.0 credit

This is a hands-on course that focuses on giving students real- life financial skills. Students will first have a basic review of math skills – adding, subtracting, dividing, and multiplication. They will then learn how to use math concepts to budget their money, open and maintain a checking account, maintain good credit, buy insurance, buy high-ticket items such as a house or a car, use on-line banking, and pay their taxes. This course is for students who have already completed Algebra I and Geometry. **Course is not NCAA Clearinghouse approved for credit.*

02157 Modern College Mathematics H/DE (MCCC Math Applications)



Grades 11, 12

1.0 credit

Prerequisite: Successful completion of Algebra II

Designed to give students in the non-science fields an appreciation of and experience in using problems solving techniques, deductive and inductive reasoning and symbolic logic to solve problems in a variety of disciplines. It also gives students an overview of the history of number systems of various cultures and reviews and reinforces the use of Algebra to solve problems in different fields of study or uses ratios, proportions, and percents to solve consumer related problems. Upon successful completion of this course, students should be able to use the notations and operations of set theory, use inductive and deductive reasoning and symbolic logic as appropriate to draw a logical conclusion from given information, represent numbers from different number systems and add, subtract, multiply and divide in numeration systems other than base 10.

***Dual Enrollment Disclaimer**

02002 Math Essentials

Grades 9, 10, 11

Students will be recommended and placed into this class based on Exact Path data and Algebra 1 Keystone scores. This class meets as a small group once a cycle and focuses on building math fluency while also targeting conceptual understanding of content learned in the student's Algebra I, Geometry, or Algebra II class. Students will be scheduled into this class on a marking period basis dependent on progress.

MUSIC

Any students wishing to sign up for one of the performing ensemble classes at PAHS will need to complete an Ensemble Scheduling Form (which will be available from the middle school and high school directors during the scheduling process). This will assist in preparing the schedule for all students while maintaining overall musical integrity.

Every performing ensemble has an option to work in a student's schedule for 3, 4, 5, or 6 days depending on the other classes taken. These will be finalized throughout the scheduling process by the counselors and ensemble directors.

All performing ensembles at PAHS do have out of school attendance commitments. These are expectations of performing in a musical ensemble and can (but not be limited to) performances, extended sectionals, and/or dress rehearsals. Dates will be communicated to students at the beginning of each school year by the director.

Band H – Brass and Woodwind Musicians

Grades 9, 10, 11, 12

05106A Full Time

1.0 credit

05106D Part Time

0.5 credit

Band H – Percussionists

Grades 9, 10, 11, 12

05106F Full Time

1.0 credit

05106I Part Time

0.5 credit

Prerequisite: New members must audition with the director and have prior experience playing an instrument used in the band setting (brass, woodwind, or percussion), unless exemption from the director has been granted. Returning students must have a minimum grade of 80% from the previous year.

Through large group instruction and small ensemble work, the bands at PAHS perform music of various styles from the wind band repertory. Students will develop technical and ensemble skills necessary for performance on a musical instrument. Music literacy and the ability to perform expressively on a musical instrument are the primary goals of this ensemble. Students participating in the band program during the day are strongly encouraged to enroll in the Marching Band (05103) as well.

05103 Marching Band (meets evenings)

Grades 9, 10, 11, 12

0.5 credit

Prerequisite: Enrollment in a band during the school day, unless exemption from the director has been granted.

The Marching Phantoms perform a contemporary field show at all football games and various competitions during the fall. Students will learn to perfect their musicianship and performance skills while performing at various community events and parades throughout the year. This class starts in the summer with a mandatory pre-season camp, and meets 2-3 nights a week plus one weekend day during the fall semester.

05105 Jazz Band H (meets after school hours)

Grades 9, 10, 11, 12

0.5 credit

Prerequisite: Successful audition with director each year and enrollment in a music class during the school day, unless exemption from the director has been granted.

The Jazz Band performs a variety of Big Band styles including Jazz, Swing, Rock, Blues, Pop, and various other forms of contemporary popular music. Additionally, students develop improvisational skills through different avenues of opportunity. Membership in the Jazz Band is by audition (held in the fall) and is guided by the strict consideration of balanced instrumentation. The Jazz Band performs at concerts, competitions, and community events throughout the school year.

Orchestra

Grades 9, 10, 11, 12

05104 Full Time

1.0 credit

05104C Part Time

0.5 credit

Prerequisite: New members must audition with the director and have prior experience playing an instrument used in a string orchestra (violin, viola, cello, bass). Returning students must have a minimum grade of 80% from the previous year.

The PAHS Orchestra is a performance ensemble offered to students who play violin, viola, cello, or double bass. Students in Orchestra study, rehearse, and perform a variety of repertoire from different time periods and composers. Students will be exposed to both classic works, as well as, modern compositions. Musicianship, music literacy, understanding of specific string-specific instrumental techniques, and the ability to perform expressively on a stringed instrument are the primary goals of this ensemble. Attendance at performances outside of the school day is part of the course requirement.

String Ensemble Honors

0.5 credit

Grades 10, 11, 12

Prerequisite: One year of participation in an orchestral ensemble at the high school level, a successful audition with the director, and enrollment in the orchestra ensemble class during the school day, unless exemption from the director has been granted.

String Ensemble is the select Orchestra group at PAHS. The ensemble is for students primarily in grades 10-12 who want to play string literature of a higher level from both classic time periods and composers, as well as contemporary string works, and desire the opportunity to perform in more formal settings. The numbers of members in this ensemble are limited to the following: 8 Violins (4 firsts and 4 seconds), 3 Violas, 3 Celli, 2 Double Basses. Attendance at performances outside of the school day is part of the course requirement.

Phantom Singers: Soprano, Alto, Tenor, and Bass Voices

Grades 9, 10, 11, 12

05110A Full Time

1.0 credit

05110D Part Time

0.5 credit

Bel Canto Choir: Soprano and Alto Voices

Grades 9, 10, 11, 12

05110F Full Time

1.0 credit

05110I Part Time

0.5 credit

Prerequisite: Returning students must have a minimum grade of 80% from the previous year.

The choral programs at PAHS perform a variety of styles of music covering traditional choral, jazz, Broadway, and popular song. Music literacy and the ability to perform expressively are the primary goals of this ensemble. All students enrolled in a chorus class are members of the PAHS Concert Choir, which is comprised of all of the students in both the Phantom Singers and Bel Canto Choir.

05111 Vocal Ensemble H

Grades 10, 11, 12

0.5 credit

Prerequisite: One year of participation in a choral class/ensemble at the high school level, a successful audition at the end of prior academic year and enrollment in a choral class during the school day, unless exemption from the director has been granted.

The Vocal Ensemble is an audition-only choral group. Students in this ensemble will meet weekly throughout the year (**outside of the school day**) and will be expected to prepare music on their own outside of class meetings. Members of this group will be expected to perform frequently both on and off campus and to work towards the highest levels of choral musicianship. Music studied will cover a broad range of genres, but the focus will be on traditional choral music from all historical periods.

05107 Beginning Piano

Grades 9, 10, 11, 12

0.5 credit

This is a basic piano class designed for students with little to no music or piano experience. Students will be taught fundamental piano skills as they work through exercises and a variety traditional piano literature at their own pace. Both performance and written assessments will be included.

05108 Beginning Guitar

Grades 9, 10, 11, 12

0.5 credit

This class is recommended for any student interested in learning how to play the guitar. Students will learn the basic skills of guitar playing while exploring the structures of the musical staff. Students will work at their own pace with guided instruction from the teacher and will play in small groups and in solo settings.

05113 Music Theory and Composition

Grades 9, 10, 11, 12

0.5 credit

This course is designed for students looking to increase their overall musical knowledge. Basic musicianship skills will be covered, including reading music in all clefs, rhythms, chords, scales and other fundamentals designed to prepare students for more advanced music theory and to aid students' successful participation in performing ensembles and/or private music lessons outside of school.

05114 AP Music Theory**Grades 11, 12****1.0 credit**

Prerequisites: 80% or higher final grade in Music Theory Students can also test into the AP Music Theory class by achieving an 80% or higher on an entrance exam which will be available in the spring of the year prior to taking the class.

Co-requisite: Students should be enrolled in a performing ensemble class.

Advanced Placement Music Theory is designed to provide an intensive study of the mechanics of music in preparation for the AP Music Theory exam in May. Advanced fundamentals and listening skills will be included in this course, which is the equivalent of the first semester of college Music Theory for Music majors. Students who are preparing to be college Music majors are highly encouraged to take this class. ***AP Disclaimer**

21008 Digital Music**Grades 9, 10, 11, 12****0.5 credit**

Students will learn the basics of creating sound and music in our newly renovated technology lab. Using software such as Mixcraft, Audacity, and Ableton, students will be involved in all aspects of digital production from creation to post-production. Digital instruments, live recording techniques, sampling, looping, and audio editing will all be studied. The history of popular music, recording technology, and copyright guidelines will also be explored. *This course fulfills the technology requirement for graduation.*

PHYSICAL EDUCATION AND HEALTH

08001R Physical Education

Grades 9, 10, 11, 12

0.5 credit

The Physical Education Department provides co-educational classes in which students will have the opportunity to participate in various indoor and outdoor activities. Among the indoor activities are volleyball, table tennis, basketball, small games, general physical fitness, floor hockey, weight training, team handball, and badminton. Outdoor opportunities include Ultimate Frisbee, tennis, softball, flag football, and running.

08001X Physical Activity

Grades 9, 10, 11, 12

0.25 credit

Credit may be earned in a combination of the following: traditional Physical Education (PE) class (0.5 credit per course), one complete season of PIAA sport participation (.25 credit, with no more than .5 credit for any one sport), or completion of one year of high school Marching Band (.25 credit, with no more than 0.5 credit for Marching Band participation). A combination of participation in two or more sports, Marching Band, and/or traditional PE class must be completed to satisfy our PAHS graduation requirement of 1 full credit of Physical Education.

08051C Health, Safety, and Physical Education

Grades 10, 11, 12

0.5 credit

08051V Virtual (see school counselor for details)

All Health, Safety, and Physical Education standards are incorporated and met in this course. It includes such units as emotional health, human sexuality, substance abuse, and personal well-being (fitness, nutrition, and body systems). Physical activity units will be woven throughout the course.

08009F Fitness and Weight Training

08009O Fitness and Weight Training – Zero Period

Grades 10, 11, 12

0.5 credit

The Fitness and Weight Training course is a combination of classroom, weight training, and cardiovascular fitness activities. Students will take part in activities that will enhance cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. The benefits of exercise and its effect on the systems of the body will be introduced. The primary objectives of the course are to improve the health-related components of fitness and to enable the student to make intelligent decisions regarding fitness program design and application. *Class is offered during the school day and before school (0 Period).

08001A Advanced Physical Education

Grades 11, 12

0.5 credit

Prerequisite: 90% in Physical Education or teacher recommendation

The course is designed for those students who have a desire to participate in a more challenging environment than the regular Physical Education class. Advanced Physical Education will focus on leadership, team building, problem solving, sport strategy, and possible career choices.

08005 CrossFit**Grades 10, 11, 12****0.5 credit**

Through the use of constantly varied, high intensity, functional movements you will have the opportunity to improve your fitness. The aim of CrossFit is to forge a broad, general, and inclusive fitness. No matter your ability/skill level you can find success that is measurable through CrossFit. This class will best prepare you for any physical contingency as it specializes in not specializing. If you want to do the common uncommonly well, then CrossFit is for you.

08055S Safety and First Aid/Sports Medicine H/DE**Grades 11, 12****1.0 credit**

This course is designed to develop and provide the citizen responder with the knowledge and skills necessary to help sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. American Heart Association certifications in First Aid: Responding to Emergencies and Adult and Child CPR/AED with Infant CPR and First Aid and Automated External Defibrillator (AED) are available upon meeting certification requirements. ***Dual Enrollment Disclaimer**

14254 Medical Law and Ethics for Health Professionals H/DE**Grades 11, 12****1.0 credit**

This course provides the student with a deeper understanding of legal and ethical issues in healthcare. Students explore the legal, ethical, and moral dilemmas currently faced by healthcare professionals and identify issues related to potential legal liability in the workplace. Cross-listed with MAS 114, this course meets General Education Core Goal 13: Ethical Reasoning and Behavior. ***Dual Enrollment Disclaimer**

14154 Medical Terminology H/DE**Grades 11, 12****0.5 credit**

This course is designed to develop a basic understanding of human body systems and the medical vocabulary associated with these systems. While attaining a working knowledge of human anatomy, students will experience a word-building system comprised of medical prefixes, suffixes and word roots which will allow them to write and to develop fundamental concepts for the meaning of various medical nomenclature. Accurate spelling, medical definitions, and medical abbreviations are key elements. ***Dual Enrollment Disclaimer**

08051S Stress Management**Grades 9, 10, 11, 12****0.5 credit**

This course is designed to help students identify their stressors and manage stress more effectively. A basic understanding of stress, the effects of stress on the body, the power of the mind to alleviate stress, the significance of perception, the long-term health risks from chronic stress, and methods to reduce stress will be learned and practiced. Managing daily stress in terms of relationships, conflicts, demands/expectations, communication, and pressure will be specifically addressed. Methods to reduce stress will begin with a change in perception, an increased awareness of choices, and focus on communication and time management skills. Additionally, students will understand and experience the benefits of stretching, music, laughter, "venting," being creative, writing, performing acts of kindness, Yoga, deep breathing, autogenic training/controlled breathing, aromatherapy, nutrition, exercise, and massage. The course is very engaging, introspective and includes plenty of discourse and activities/skills that can be used for a long, healthy, less stressed life.

SPORTS AND MARCHING BAND FOR PE CREDIT

PAHS requires 1.0 credit of Physical Education for graduation and 0.5 credits of a Health/PE class. Some extracurricular activities that are offered by PAHS can count as part of the physical activity component of the graduation requirement. A maximum of two seasons in one Extracurricular (XC) Athletic Activity will count towards this requirement. To fulfill the other requirement components, a student must either take a PE course or participate in a second XC Athletic Activity. The below chart indicates the three options to satisfy the graduation requirement. Only credit obtained through a PE course taken at PAHS will apply to a student's grade point average (GPA). No additional physical activity credit will be added to transcripts once the 1.0 PE requirement is met.

Phys Ed Class (during day)	0.5 Credits	XC Athletic Activity	0.5 Credits (2 Seasons Max)	XC Athletic Activity	0.5 Credits (2 Seasons Max)
Phys Ed Class (during day)	0.5 Credits	Phys Ed Class (during day)	0.5 Credits	XC Athletic Activity #2	0.5 Credits (2 Seasons Max)
Health & PE	0.5 Credits	Health & PE	0.5 Credits	Health & PE	0.5 Credits

SCIENCE

In an increasingly complex global community, the Phoenixville Science Department recognizes the need to foster the growth of active, informed citizens who understand scientific issues and their impact on our everyday existence.

Science courses are activity-based, lab-oriented classes that prepare students for pre-college testing (e.g., SAT subject tests, Advanced Placement (AP) tests), further study in college, and citizenship in a technical society. Emphasis is placed upon acquisition of concepts from multiple sources (electronic and print media, experimentation, real-world experience), inter-connection of ideas between the sciences and other subject areas, and thinking skills (such as problem solving). A rigorous and demanding sequence of Science courses will ensure that students are prepared for further school and life.

The goal of the Phoenixville Science Department is to make sure that all students are exposed to the major disciplines of science before graduating. Students who are highly motivated and wish to continue their study of Science beyond Phoenixville may accelerate their program or take two Science courses at once to take advantage of electives offered within the department. In order to fulfill graduation requirements, students must successfully complete 3 credits of Science. **Students must take the Biology Keystone Exam to meet graduation requirements.**

03159 Physical Science

Grade 9, 10, 11, 12

1.0 credits

Prerequisite: H: 9th Grade - 90% or higher in Algebra I

CC: None

This course serves as an introduction to physics and chemistry at the high school level. Students will begin with the physics of motion, forces and energy, including comparing the fundamental forces of gravity, electricity and magnetism. Students will then explore how circuits work and create a simple circuit that accomplishes a task of their choosing. Next, students will delve into topics that merge physics and chemistry, such as atomic structure and wave behavior, before finishing with chemical bonds, and chemical and nuclear reactions. A focus of the course will be developing analytical skills and lab skills, as well as making connections between various topics using forces and energy. Honors Physical Science will be algebra intensive.

Biology

The goal of the Biology courses is to establish a core of biological concepts and information that can be of value to all students. This means they are lab-centered, college preparatory courses designed to emphasize a thorough understanding of basic biological concepts, including a study of genetics, cells, microbiology, evolution and physiology. The relationship to Chemistry as the underpinning of Biology will also be explored and emphasized.

03051 Biology

Grade 9, 10, 11, 12

1.50 credits


Prerequisites: H: Rising 10th Grade Students: 80% in Physical Science H or 90% in Physical Science CC

Rising 9th Grade Students: 90% in 8th Grade Science, Teacher Recommendation, and achievement on the Classroom Diagnostic Tool Assessment.

CC: Successful completion of Physical Science

This course is a laboratory course that includes the genetics, evolution, cell structure and function, cell growth and reproduction, microbiology with an emphasis on the chemistry of life. Students will perform a variety of experiments and studies to deepen their understanding and the applicability of the content. The Honors level will include more integration of

Chemistry and cover content with greater breadth and depth.

03056 AP Biology 
Grades 10, 11, 12

1.33 credits


Prerequisites: **Biochemistry Requirement:** 85% in Biology H or 90% in Biology CC

Mathematics Requirement: Successful completion or concurrently taking Pre-Calculus

This laboratory course is an extension of previous Biology courses and will focus on biochemistry, genetics, evolution, anatomy, and physiology of the five kingdoms of life, embryology, and ecology. Students taking this course should have the background, intellectual ability, dedication, and work habits to pursue rigorous and demanding subject matter. Emphasis is placed on reading, critical thinking, research and laboratory activities. The laboratory component of this course requires the student to maintain an excellent attendance record. ***AP Disclaimer**

Chemistry

In Chemistry, a logical sequence of chemical principles is presented via an activity-centered approach. An important part of the Chemistry Program is its relevance for both Science and non-Science-oriented students. Thinking skills and problem-solving techniques, along with the increased use of technology in Science courses, are valuable for all students, regardless of their career goals. Because Chemistry is offered at various instructional levels, students are encouraged to select the one most appropriate for them, based on the current Science teacher's recommendation.


03101 Chemistry 
Grades 10

1.17 credits

Prerequisites: **CC:** 70% or higher in Algebra I

H: 85% or higher in Geometry or 90% in Algebra I

This course is a laboratory course that includes the topics of atomic structure, periodic law, chemical bonds, chemical composition, equations, mass relationships, gas laws, the mole concept, acids, bases and salts. Descriptive and theoretical topics will be alternated to provide a strong classroom and laboratory program. Major emphasis is placed on safety, manipulative, and stoichiometric skills. **Note: This course is not being offered during the 2024-2025 school year.**

03106 AP/DE Chemistry 
Grades 10, 11, 12

1.33 credits

Prerequisites: 85% in Chemistry H or 90% in Chemistry CC; successful completion or concurrently taking Pre-Calculus

The AP Chemistry course is established to be the equivalent of the general Chemistry course taken on the college level. Students in the AP Chemistry course should acquire a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course should facilitate students' abilities to think clearly and logically, and to express their ideas both orally and in writing. Topics considered are: atomic structure and periodicity, chemical equations and bonding, gases, liquids and solids, chemical kinetics, chemical equilibria, acids and bases, thermochemistry, thermodynamics, electrochemistry, Organic Chemistry, and nuclear reactions. The laboratory component of this course requires the student to maintain an excellent attendance record.

Juniors and seniors can earn four (4) college credits from Montgomery County Community College as part of Phoenixville Area High School's Dual Enrollment Program. In order to earn the college credit, students must complete the steps outlined on page 12 regarding dual enrollment. ***AP Disclaimer, *Dual Enrollment Disclaimer**

03103 Introduction to Organic Chemistry and Neurochemistry H

Grades 11, 12

1.0 credit

Prerequisites: **Biology Requirement:** 80% in Biology H or 85% in Biology CC

Chemistry Requirement: 80% in Chemistry H or 85% in Chemistry CC

This course covers various aspects of organic chemistry, focusing on the mechanisms behind organic reactions that influence the brain's response to psychoactive pharmaceuticals. The course will be rich in organic chemistry content, along with seminar topics in neurochemistry throughout the course.

Physics

Physics is an important discipline to study because it accomplishes multiple goals:

Students will gain a better understanding of how the world works, from mundane things like how one is able to jump to more complicated phenomena like how figure skaters spin so quickly or how car engines work. Physics teaches you to see the world in a richer, deeper way. Students will get better at mathematics, particularly algebra, because we use mathematics as a way to express what's happening in the world around us. Most importantly, students learn problem-solving and reasoning skills, such as how to take complicated situations and break them into simpler parts. This skill applies not just to physics, but to all subjects as well as life in general.

03162H Physics H

Grades 11, 12

1.17 credits

Prerequisites: **Math Requirement:** Successful completion or concurrently taking Pre-Calculus

Science Requirement: 70% in Chemistry H or CC M and either successful completion or concurrently taking Biology

Are you interested in understanding how the world around you works? Then take Physics! We will cover topics from mechanics, heat, electricity, waves and sound. Plus, you will be exposed to logical processes necessary for problem-solving in any discipline. This will prepare you to do well in AP Physics 1 or a college physics course not intended for science or engineering majors. Math will be used more sparingly in this course than in the other physics courses.

03155 AP Physics 1

Grades 11, 12

1.17 credits

Prerequisites: **Math Requirement:** 80% in Pre-Calculus H or 90% in Pre-Calculus CC

Science Requirement: 80% in Chemistry H or 90% in Chemistry CC or 80% in Physics H

This course will prepare students to take the AP Physics 1 exam, which can be used at most colleges to replace the first semester physics course for majors not related to science. While this is intended as a 1st-year physics course, you may also take it after completing Physics Honors, which might benefit you if you are planning on doing science or engineering. For those wishing to go into science, engineering, or become doctors, this may still count for general credits, and is the best preparation for AP Physics C. The course focuses on the fundamentals of motion, forces, energy, waves and circuits. It requires high-level algebra skills and some knowledge of vectors. ***AP Disclaimer**

03156 AP Physics C: Mechanics and Electricity & Magnetism

Grade 12

1.33 credits

Prerequisites: **Math Requirement:** Successful completion or concurrently taking Honors or AP Calculus

Science Requirement: 90% in Physics H or 80% in AP Physics 1

This course will prepare students to take the AP Physics C Mechanics and AP Physics C EM tests, which may earn students up to eight (8) college credits. The material will build upon that of the earlier Physics courses, focusing on creating connections between Physics concepts and the physical world and honing problem-solving skills in areas of mechanics and electromagnetism. **Note:** Calculus will be used as a problem-solving tool in AP Physics, sparingly early on, but liberally in the second half of the year. ***AP Disclaimer**

03008 Earth & Space Interactions

Grades 11, 12

1.0 credit

This course introduces students to the Earth's systems and processes: how they work and how they influence our lives and future. Topics of study include the atmosphere, weather, climate, geology, astronomy, planetary science, manned and unmanned space exploration including the International Space Station and the Mission to Mars Project. A combination of laboratory exercises, group work, projects, simulations and fieldwork will be used. Emphasis will be placed on current scientific research and development in the Earth and Space Sciences, especially the NASA and NOAA web links.

03003 Environmental Science

Grades 11, 12

1.0 credit

This course introduces students to the major ecological concepts and environmental issues that affect the world in which they live. Students will be exposed to technological developments that have created environmental problems as well as technologies that are helping to solve them. The course will make students become aware of the interactions between people and their environment. It relates important environmental issues to the lives of the students and their families. Topics include: ecology basics, atmospheric pollution, science and technology, water usage and problems, and energy sources.

03207 AP Environmental Science

Grades 10, 11, 12

1.33 credits

Prerequisites: 80% in previous science H course or 90% in previous science CC course; previous completion of Biology highly recommended, but not required

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them.

Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet, there are several major unifying constructs that cut across the many topics included in the study of Environmental Science. The following theme topics provide a foundation for the structure of the AP Environmental Science course: Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. ***AP Disclaimer**

03201 H/DE Forensic Science



Grades 11, 12

1.0 credit

Prerequisites: 70% in Biology and successful completion of Chemistry; signed parent/guardian permission slip

This full credit elective Science course is an introduction to Forensic Science. This course will familiarize students with the basic principles and uses of Forensic Science in the context of the American criminal justice systems. Forensic Science, which is the study and application of Science to legal processes, will be related to the collection, examination, evaluation, and interpretation of evidence. The field of Forensics encompasses many areas in both the Physical and Social Sciences. This course will focus on the application of modern Science to physical evidence collection, preservation, and analysis, which, if properly utilized, can be crucial in the resolution of social and legal disputes. This course will review and illustrate through actual laboratory demonstration basic applications and methodologies in the biological, physical, and behavioral sciences to questions of evidence and law. ***Dual Enrollment Disclaimer**

03004 Introduction to Astronomy and Oceanography



Grades 11, 12

1.0 credit

Prerequisites: Successful completion of Chemistry and Algebra II

An introductory course to the scientific principles of Astronomy and Cosmology and Oceanography. The course will begin with an in-depth study of stars, planets, and solar systems, and will then move towards developing student understanding of the universe as a whole system. The course will be designed with elements of inquiry-style learning and student-centered activities, which will increase student engagement and therefore increase student performance. Online and computer software programs will allow students to investigate the phenomena through digital simulations and graphics. Important topics include: The Big Bang, dark matter and dark energy, Einstein's Theory of Relativity (general and special), and stellar evolution. The goal of this course is that students will leave the class with a greater appreciation of the scale of the universe and a better understanding of how all things in the universe are connected.

The second part of the course introduces students to the ocean, how it works, and how it influences our lives and future. Major areas of study include ocean floor topography, historical perspectives, plate tectonics, marine sediments, marine habitats, coastal geology, chemistry of sea water, currents, waves, tides, atmospheric effects, life in the ocean, and ocean technology. Laboratory exercises, group work, projects, and simulations supplement the content areas.

03053 Anatomy and Physiology H



Grades 11, 12

1.17 credits

Prerequisites: 70% in Biology H or 90% in Biology CC

This laboratory course is an Honors-level course that investigates the structures and functions of the human body. It is designed for the highly motivated, active learner and will be especially important for anyone who wishes to pursue a career in allied health or biomedical sciences. Topics covered will include the basic organization of the body, biochemical composition, major body systems, and the impact of disease on certain systems. Studies will be conducted at both the microscopic and macroscopic levels. Dissections of the eye, brain, heart, and fetal pig are a required component of this course. Critical thinking and clinical aspects will be stressed whenever possible. ***This course is part of the MCCC Allied Health Program.**

SOCIAL STUDIES

The Social Studies program is designed to help students understand the development and evolution in western and nonwestern civilizations. In addition, the American systems of government and economics are emphasized so that students will be able to function as responsible, informed citizens, tolerant and understanding of individuals living in a diverse, multicultural society. Students will be expected to engage with a variety of sources, including textbooks and outside readings. Research and writing are critical components of Social Studies, with a cross-curricular approach including aspects of science, English, and other interrelated disciplines. **Prior to graduating, all students are required to take one United States Government course that includes a Pennsylvania civics and government component.**

04057 AP World History

Grade 9

1.0 credit

Prerequisites: 90% in both 8th grade Social Studies and Language Arts courses; Advanced on 7th grade PSSA.

Grades 10, 11, 12

Prerequisites: 80% in previous Social Studies course H or AP; or 90% in previous Social Studies CC

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and historical thinking skills. The course highlights the nature of changes in global frameworks and the causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge, leading interpretive issues, and skills in analyzing types of historical evidence. Periodization and Contextualization form an organizing principle to address change and continuity throughout the course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of World History as a field of study. * **AP Disclaimer**

04053 World History

Grade 9

1.0 credit

Prerequisites: H: 80% in both 8th grade Social Studies and Language Arts courses; Proficient on 7th grade Language Arts PSSA.

CC: None

The purpose of the World History course is to develop greater understanding of the evolution of global processes and contacts in different types of human societies. This understanding is advanced through a combination of selective factual knowledge and historical thinking skills. The course highlights the nature of changes in global frameworks and the causes and consequences, as well as comparisons among major societies.

04103C American History

Grade 10

1.0 credit

Prerequisites: H: 90% in World History CC, 80% in World History Honors or AP World History

CC: Successful completion of World History CC

This course examines United States History from colonial times to the present. Units of study within the course emphasize a combination of selective factual knowledge and historical thinking skills. The course highlights the continual nature of change in the development and application of freedom and equality in American culture. From Constitutional foundations through Expansion, the Civil War, WWI, WWII, Vietnam War, Civil Rights Movement, Women's Movement, and now America's role in a greater global community, America's chronology will be examined through primary source documents and various research methods.

04202 Economics (Taken in Conjunction with Government)



Grade 11

0.5 credit

Prerequisites: H: 80% in American History H or 90% in American History CC

CC: Successful completion of American History

Economics includes discussions about wealth, land, resources, labor, capital, production, the private enterprise system, the US monetary system, as well as practical concepts in consumer economics. Students will be expected to do independent projects, participate in cooperative learning experiences, and present their research in oral and written reports.

04161 Government (Taken in Conjunction with Economics)



Grade 11

0.5 credit

Prerequisites: H: 80% in American History H or 90% in American History CC

CC: Successful completion of American History

The study of government encompasses our political foundations, principles of democracy, with emphasis on the three branches of government, our civil rights and liberties, political parties and an examination of the political process in contemporary America. Students will be expected to do independent projects, participate in cooperative learning experiences, and present their research in oral and written reports.

04157 AP Government and Politics



Grades 11, 12

1.0 credit

Prerequisites: 80% in previous Social Studies H or AP or 90% in previous Social Studies CC

The AP course in U.S. Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts (constitutional underpinnings; political beliefs and behaviors, political parties, interest groups, mass media; institutions of national government; public policy; and civil rights and civil liberties) used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students must be able to use specific information critically in order to evaluate general propositions about government and politics, as well as to analyze political relationships between people and institutions and between different institutions. Students are also required to interpret and utilize basic data relevant to government and politics in sustained written arguments. ***AP Disclaimer**

04056 AP European History



Grades 10, 11, 12

1.0 credit

Prerequisites: 80% in previous Social Studies H or AP or 90% in previous Social Studies CC

In addition to providing a basic narrative of events and movements in European History from the Renaissance to the present, the goals of the Advanced Placement European History are: to develop an understanding of some of the principal themes in European History (intellectual, cultural, political, diplomatic, social, and economic), to be able to analyze historical evidence, and to be able to analyze and express historical understanding in writing. ***AP Disclaimer**

04055 H/ 04055D DE World Civilization I



Grades 11, 12

0.5 credit

Prerequisites: 70% in previous CC, H, or AP Social Studies course

This one-semester long course is an introduction to the history of the development of the world's major civilization. The course emphasizes the role of economic, social, and political change throughout the ancient and medieval periods in order to gain a greater understanding of the foundations of world civilizations and cultures. Upon successful completion of the course, students should be able to: think critically and analytically about the development and nature of separate world cultures created over several centuries; explain the creation of the political, economic, social, and religious foundations and stratifications of civilization; understand how societies devised different solutions to key difficulties in forging a durable civilization; comprehend the role of geography and environment in the development of diverse civilizations; understand of the roots of the modern world through the examination of ethnic, racial, religious, gender, and socio-economic diversity of ancient world civilizations; discuss the implications of early aspects of globalization in world history; utilize information literacy of a variety of source material to examine and discuss world history. ***Dual Enrollment Disclaimer**

04104 AP United States History



Grades 10, 11, 12

1.0 credit

Prerequisites: 80% in World History H or AP or 90% in World History CC

This course is intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses in U.S. History. The course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history from the Colonial Period to the end of the 20th century. Heavy emphasis will be placed on reading and writing. Students will be required to analyze and interpret primary source materials, write essay examinations, respond in essays to document-based questions, write book and article reviews, and complete formal research papers. ***AP Disclaimer**

04203 AP Microeconomics



Grades 10, 11, 12

1.0 credit

Prerequisites: 80% in previous Social Studies H or AP or 90% in previous Social Studies CC

This course is designed to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. ***AP Disclaimer**

04204 AP Macroeconomics



Grades 10, 11, 12

1.0 Credit

Prerequisites: 80% in previous Social Studies H or AP or 90% in previous Social Studies CC.

AP Macroeconomics emphasizes economic principles as applied to the economy as a whole. Topics covered will include the material included in the AP Macroeconomics course description from College Board. Lessons include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, international trade and finance, and comparative economic systems. ***AP Disclaimer**

04254 Psychology**Grades 10, 11, 12****1.0 credit**

This course will concentrate on the following areas in Psychology: the cycle of life (in which we will study the various stages in human development), social and emotional growth, personality development, and using our senses through sensation and perception. Initially, students will examine the methods and techniques of psychological research and will be required to participate in individual and group projects, presentations and research. Toward the end of the year, students will analyze different types of learning (classical, operant and social), thinking and mental processes, testing (I.Q., standardized tests and E.Q.), memory development, and abnormal behavior.

04256 AP Psychology**Grades 10, 11, 12****1.0 credit**

Prerequisites: 80% in previous Social Studies H or AP or 90% in previous Social Studies CC

The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each subfield within Psychology. They also learn about the ethics and methods psychologists use in their science and practice. ***AP Disclaimer**

04258 Sociology**Grades 10, 11, 12****1.0 credit**

Students will examine the basic introduction to Sociology and the characteristics of a developing society. The individual (self) and the individual's influence on and relationships with the group will be discussed. Students will examine the methods and techniques of sociological research. Students will analyze societal problems (racism, crime and inequality) and the role of the group in handling/creating such issues. Also, students will discover the functions of the various social institutions (family, religion, education, sport). Students will examine the methods and techniques of sociological research.

04301A African American Studies**Grades: 10, 11, 12****1.0 credit**

This course is designed to examine the role of African-Americans in shaping American Society from pre-written history Africa and finishes with a present-day focus on problems that plague the African-American community. This exploratory course offers the most significant events of American History told from the vantage point of African-Americans showcasing the many accomplishments and challenges facing the culture.

SPECIAL EDUCATION

The Specialized Programs and Services (SPS) Department offers special education curriculum and coursework to meet the instructional needs of students with disabilities. Students enrolled in special education classes receive instruction that is determined by the student's Individualized Education Program (IEP).

01049 Functional Reading

Grades 9, 10, 11, 12

1.0 credit

This course focuses on reading skills students need to successfully accomplish their transition goals. Students will connect reading to their everyday lives to gain employment successfully and develop independent living skills. Students will build functional reading skills needed to safely complete activities of daily living. Areas of focus include building the vocabulary needed to communicate needs, ask for assistance both in the community and workplace, recognize and understand community and survival signs, use menus, and complete forms to access adult supports and vocational opportunities.

01068F Read 180 Part I, II, and III

1.0 credit

01068G Read 180 Block Part I, II, and III

2.0 credit

Grades 9, 10, 11, 12

READ 180 is a research-based, intensive reading intervention program designed to meet the needs of students whose reading achievement is below grade level. READ 180 effectively integrates technology to raise student achievement by delivering a systematic program of reading intervention that directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading skills.

09500A Reading Mastery Transformation

Grades 9, 10, 11, 12

1.0 credit

Reading Mastery Transformations is an evidence-based Direct Instruction program aligned to the science of reading that is proven to raise reading performance for a wide range of students. This course incorporates learning how to comprehend and write narrative and informational text of increasing complexity—while building oral language fluency skills and increasing their vocabulary. The concise, specific language of this direct instruction program, combined with quick pacing and group responses keeps students focused, active, and attentive, and assists teachers in checking for mastery. Learners are met at their instructional level. 85–90 percent of daily lessons includes review content and 10–15 percent includes new content, to verify that learners have the prerequisite skills and knowledge to learn the skill being taught in the lesson. The balance of review and new content also provides an opportunity to link the new skill with other related skills.

02049A-F Math Foundations

Grades 9, 10, 11, 12

1.0 credit

This course focuses on math skills students need to successfully accomplish their transition goals. Students will connect math concepts to their everyday lives and needs to gain employment successfully and develop independent living skills. Students will build functional math skills needed to safely complete activities of daily living. Areas of focus include the practical use of number concepts and math such as basic monetary skills, basic measurement skills, calendar use, and time telling.

02051 Direct Instruction Pre-Algebra
Grades 9, 10, 11, 12

1.0 credit

This course is designed for students who are ready to begin to learn the fundamentals of basic algebraic concepts. This course provides the foundation for more advanced mathematics courses and develops the skills needed to solve mathematical problems. At the conclusion of these coupled courses, students will be able to:

- Add, subtract, multiply and divide integers and rational numbers
- Calculate powers and roots
- Solve ratios and proportions
- Identify and solve linear expressions, equations, inequalities, and linear functions
- Understand and solve problems that include statistical analysis

02051C/D Direct Instruction Algebra I Year 1 and Year 2
Grades 9, 10, 11, 12

1.0 credit

This course is intended for students who are ready to begin the formal study of Algebra, with needed scaffolding and repetition, review and practice that extends the duration of the general education Algebra I course over two years. At the conclusion of these coupled courses, students will be able to:

- solve and graph linear equations and inequalities in one or two variables
- add, subtract, multiply, and divide signed numbers, polynomials, and rational expressions
- solve systems of linear equations and inequalities graphically and algebraically
- factor algebraic expressions involving common monomials, common binomials, difference of two squares, trinomials, and combinations of the types mentioned
- solve simple quadratic equations with rational roots by factoring
- add, subtract, multiply, divide, and simplify algebraic fractions and square root radicals
- solve fractional equations
- apply the techniques of Algebra to solve application problems, determine how a change in one variable is related to a change in a second variable
- analyze and/or use patterns and relations
- analyze and interpret data on a scatter plot, and use data to make predictions
- apply probability theorems to practical situations
- write and solve non-linear equations using various methods
- use measures of dispersion to describe a set of data

02051E Financial Literacy
Grades 12+

1.0 credit

This course is an extension of Math Foundations with an increased emphasis on the application and generalization of math skills in the community. The course focuses on math skills students need to successfully accomplish their transition goals. Students will connect math concepts to their everyday lives and needs to gain employment successfully and develop independent living skills. Students will build functional math skills needed to safely complete activities of daily living. Areas of focus include the practical use of number concepts and math such as basic monetary skills, basic measurement skills, calendar use, and time telling.

22003A-F, 22003M-R, 22999A-Z Study Skills**Grades 9, 10, 11, 12****0.17 – 1.0 credit**

Study Skills is an elective course available to all resource students with a current IEP. The Study Skills curriculum is designed to help develop the skills necessary for improved access and success in the general education classroom and adult life. Students will learn techniques which may include time management, organization, study skills/test preparation, note-taking, assignment completion and instruction in academic goal areas (mathematics, reading, written expression and social skills). Study skills additionally focuses on transition planning outcomes and investigation.

Vocational Education Study Skills**Grades 12+****1.0 – 3.0 credits**

Criteria for participation: Community Based Instruction Classroom Delivery: Community Based Instruction (CBI) is educational instructional program that helps students develop age-appropriate skills for successful transition to adulthood after graduation for students with moderate/severe disabilities, Autism, and other health impairments. Instruction occurs within the classroom and in community environments providing students real life experiences. The goal is to provide a variety of hands-on learning opportunities at all age levels to help students acquire the skills to live independently and enhance the student's quality of life. CBI is individualized to meet the particular needs of each student and to teach skills which relate to specific IEP goals or objectives. Students may initially learn and practice a skill in the classroom; they will eventually practice the skill by applying it in a home or community setting. CBI will cover the following domains:

- Functional Academics: calendar, money, life skills literacy, basic keyboarding
- Domestic – self-care and grooming, wellness, nutrition, cooking, laundry, housekeeping
- Vocational – career exploration, employability skills, instructions, rules, schedules, ▯ advocating for oneself, identifying skills and interests
- Community – transportation, libraries, shopping, post office, restaurants, parks, utilizing public transportation
- Recreation and Leisure – crafts, games, sports, movies, music, puzzles ▯ Social skills and communication— greetings, conversational skills, conflict resolution. Trips to community locations occur concurrently with classroom instruction.

05151 Art Appreciation**Grades 9, 10, 11, 12****0.5 credit**

This course is specifically crafted and designed for our PAHS special education population. Focusing on a high level of student attention, safety, intellectual and physical needs, students are invited and enrolled in this course by their case manager. Students will hone fine and gross motor skills through artistic endeavors. They will explore a range of traditional and contemporary approaches to making meaningful and intentional work. Students will investigate and experience the roles and responsibilities of artists, considering the relationships between art, viewers, and themselves as artists. Students will reflect on their artwork, including self-assessments and group presentations. Through experimentation and hands-on investigation, students will connect with other artists' work and create artwork inspired by those connections, exploring personal interests and developing their own artistic voice.

08007 Adapted Physical Education**Grades 9, 10, 11, 12****0.5 credit**

Students in Adapted PE will develop and practice movement, strength, balance, flexibility, cooperative gameplay and social skills that are modified appropriately. These skills will be taught and practiced through individual & cooperative peer activities & games. This class offers students the opportunity to explore and practice physical fitness self-care as well as utilize social and emotional learning.

TECHNOLOGY

10003 Technology Essentials

0.5 credit

Grades 9, 10, 11, 12

This course is designed for high school students to understand, communicate, and adapt in a digital world that impacts their personal lives, society, and the business world. Students gain an understanding of the essentials of computers, networks, programming, and computer support. Students learn about the societal impact of technological change and the ethical issues related to technology. Career skills are integrated into class projects. Various programs are highlighted to introduce students to the emerging technologies impacting the digital world. Some of the many topics focused on include Microsoft Suite, Autodesk Suite, web and graphic design along with other STEM skills.

10005 Computer Applications and Programming

0.5 credit

Grades 9, 10, 11, 12

To gain the edge in today's highly competitive world, students need to be proficient in current software applications. In a business setting, it is critical to capture the attention of anyone reading a business publication, be it paper or electronic. Business documents need to be properly formatted using word processing and desktop publishing programs. Students will learn advanced skills using such programs as Microsoft Word, Excel, Access, and Publisher. The students will learn how to properly format reports, memos, and cover letters. They will utilize formulas, filters, charts, and graphs to better find and display information in spreadsheets. They will also create pamphlets, signs, advertisements, and other business publications for both paper and online publication.

10019 AP Computer Science Principles



1.0 credit

Grades 9, 10, 11, 12

Prerequisite: Successful Completion of Algebra I

In this wide-ranging course, students will be introduced to the general fundamentals of computer science, computer programming, and the impact of computer technology on society. This course is designed to prepare students for more advanced computer science courses. Students will work individually and collaboratively to analyze and solve problems. The course will cover topics such as big data, internet technology, cybersecurity, and the social impacts of computing on daily life. Students will also learn computer programming, or expand their existing programming knowledge, in order to write their own original computer programs. Students with prior programming experience are welcome, but no prior programming experience is assumed or required. ***AP Disclaimer**

10020 Cybersecurity

1.0 credit

Grades 10, 11, 12

Prerequisite: 85% or above in Algebra I and successful completion of Intro to Programming, Technology Essentials, AP Computer Science Principles, or AP Computer Science A

This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. As computers become more sophisticated and data storage becomes increasingly important in our lives, security threats which could compromise these systems also become more serious. Efforts to counteract these threats are essential to protecting our personal information, securing our data, and eradicating malicious physical and digital damage. This course also explains current events as they pertain to cybersecurity.

10154 Introduction to Programming

Grades 9, 10, 11, 12

0.5 credit

This is your first step into the exciting world of coding! Every day we interact with computer programs, from smartphones and video games to ATM machines and word processors. A basic understanding of how to write code will help you in math and science and set you up for a high paying job. Python is used in the course because it's easy to learn and use in the work place. Students with prior coding experience are encouraged to work beyond the normal pace of the course.

May be taken for Math elective credit.

10157 AP Computer Science A with Java Programming



Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Introduction to Programming; strong mathematical skill is highly recommended
Description: Students solve programming problems by planning, entering, and debugging solutions using the Java language. Topics covered include: syntax, loops, methods, control structures, repetition tools, simple data structures including arrays, and the AP Grid World Case Study. The course follows the syllabus of the Advanced Placement (AP) Computer Science A curriculum as prescribed by the College Board guidelines. ***AP Disclaimer *May be taken for Math elective credit.**

10201 Computer Animation & Web Design

Grades 9, 10, 11, 12

1.0 credit

In this rigorous, project-based course, students will learn industry-standard software and techniques in order to produce high-quality animated productions for the web. Students will simulate a professional working environment, learning how to interact with clients, co-workers and supervisors. They will also learn and apply advertising concepts in order to create animations that meet a client's goals. If all course requirements are met, students can earn an industry certification from Web Professionals Global, the premier credentialing organization in the web industry.

21003 Engineering with MATLAB H

Grades 11, 12

1.0 credit

Prerequisite: Must be taking Physics concurrently

This course is designed to teach students how to use MATLAB to analyze engineering problems. The focus will be on analyzing components of systems, systems as a whole, and processes within a system. MATLAB will allow students to model, perform statistical analysis on solutions, and determine relationships between aspects of a model. Mastery of MATLAB will also prove useful in Physics, Calculus and other Math courses. Time permitting, statics problems will be examined. ***May be taken for Science elective credit**

WORLD LANGUAGE

World Language courses are designed to teach students the basics of a language and give them the opportunity to grow in that language throughout high school. The goals of the World Language course offerings are to teach students to comprehend and communicate in the target language, both written and orally, as well as to teach them the culture and important literature of various countries.

Students should understand the benefits of taking a World Language when they are doing their course selections. Most colleges require at least two years of a language for acceptance, and Ivy League schools desire additional years.

Teachers in all levels will use the target language as much as possible, and students are expected to do the same. Students will be exposed to reading and oral components in the target language that will be included in their summative evaluations, and they will be made aware of the benefits of taking a World Language. These benefits include:

- Helping to make students more marketable for employment and higher-level education.
- Enhancing their travel experience and allowing for social interactions in different countries.
- Teaching them to appreciate other cultures of the world.
- Strengthening their knowledge of English through the study of grammar, which may help them on future standardized tests.

The highest levels of language are available for students at both the Honors and AP level. The AP classes are instructed in accordance with the academic standards set by College Board and students will take the AP Exam in May. Students in AP classes are expected to maintain more independent learning and in-depth language fluency than Honors classes. ***AP**

Disclaimer

The Department recommends students take at least four years of the same language and, if possible, study a second language. This recommendation is strongly approved by the admission boards of major colleges and universities. Students are also encouraged to travel to foreign countries and other places where they are exposed to their second language and its culture.

06121 French I Grades 9, 10, 11, 12

1.0 credit

This introductory course presents essential grammar structures, everyday vocabulary, practical conversation, and reading selections that would help the student communicate in typical life situations in French. This course emphasizes listening and speaking skills for use in everyday situations, as well as the cultural aspects of the language, and is designed to help a student prepare to participate in a global society. Proficiency in each of the four language skills; listening, speaking, reading and writing, is emphasized as the student builds a foundation for further studies in French.

06122 French II Grades 9, 10, 11, 12

1.0 credit

Prerequisite: Successful completion of French I; 70% in French I and passing score on diagnostic exam (8th Grade)
French II is an intermediate course designed to expand and refine the language skills gained in French I. This course introduces additional grammar skills and reading selections, and provides opportunities to expand the students' knowledge of the French-speaking world. Listening, speaking, reading, and writing skills are continuously emphasized and developed to help the students towards fluency.

06123 H / 06123D DE French III**Grades 10, 11, 12****1.0 credit****Prerequisite:** Successful completion of French II

French III Honors is an advanced course that provides greater opportunities for the more serious language learner. In this course, students continue to refine and expand their speaking and writing skills, as well as to increase their knowledge of the French-speaking world. Students gain more confidence in expressing more detailed ideas and in reading more diversified literature. In addition, the students refine their writing skills through a variety of organized writing tasks. ***Dual Enrollment Disclaimer**

06124 H / 06124D DE French IV**Grades 11, 12****1.0 credit****Prerequisite:** Successful completion of French III H

French IV Honors is also designed for the more serious language learner and provides students with opportunities to refine and expand all language skills further. Students write with the use of more complex grammatical structures, speak with considerable ease and fluency, and are introduced to French literature through selected texts from notable French authors. Writing and speaking skills continue to be developed through a variety of activities and projects. This course insures the student of the comprehensive background necessary for further study of French at the college level. ***Dual Enrollment Disclaimer**

06132 AP French Language and Culture**Grades 11, 12****1.0 credit****Prerequisite:** Successful completion of French IV H

AP French Language & Culture is intended for students who wish to pursue a rigorous study and develop a high level of proficiency in all four language skills: listening, speaking, reading, and writing. Students perform course work to improve their listening and speaking skills through use of the target language in the classroom all of the time. Students read a variety of short stories, poems, plays and articles as well as watch short films in French for reading and listening comprehension practice and cultural knowledge. Emphasis will also be placed on written composition and how to write an organized, coherent persuasive essay on a wide variety of topics. The course is designed around six themes: Global Challenges, Beauty & Aesthetics, Science & Technology, Contemporary Life, Personal Identities and Families & Communities, and prepares students for the AP French Language examination given in May. ***AP Disclaimer**

06101 Spanish I**Grades 9, 10, 11, 12****1.0 credit**

Spanish I is a beginning course in the language and culture of the Hispanic people. The course is designed to help a student begin to prepare to participate in a global society of increasingly interdependent nations and people in which Spanish is a predominate language of communication. With an emphasis on basic Spanish conversation, structures, and vocabulary, students in this class will learn to communicate in Spanish as they build a foundation for further studies in Spanish. Proficiency in each of the four language skills (listening, speaking, reading, and writing) will be emphasized. The student will be able to communicate using basic interactions, have a broader understanding of the Hispanic culture, know some historical facts about the Hispanic civilizations, and be able to comprehend some authentic Spanish readings.

06102 Spanish II



Grades 9, 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Spanish I (PAHS); 70% in Spanish I and passing score on diagnostic exam (8th Grade)

The second year of Spanish continues to refine and expand the skills acquired in Spanish I. Vocabulary expansion and grammar instruction are accomplished by thematic units focusing on holidays and gift giving, health and well-being, vacations and travel, advanced introductions, personal characteristics and comparisons, the house and chores, sports and careers, and other relevant theme topics.

By the end of Spanish II, the student will be able to:

- read aloud in a manner understandable to a fluent Spanish speaker
- express simple ideas in Spanish in writing and in spoken word
- obtain information in Spanish by reading and listening to authentic and learner-oriented materials
- compare Spanish and American cultures

06103 H / 06103D DE Spanish III



Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Spanish II

Spanish III, Honors level, is designed for the serious student of Spanish who is planning to continue his/her study of the Spanish language through the fourth year and at the university level. In addition to the core course content, students enrolled in this course will develop their reading skills in Spanish as they are introduced to short stories and brief dramatic sketches by recognized Hispanic authors. Writing skills will also be emphasized as students analyze and react to the literary works to which they have been introduced, as well as to other topics which are introduced throughout the chapters of the course texts. After completing this course student should be able to:

- Answer questions appropriately
- Write paragraphs and express their opinions and support them with few grammatical errors
- Communicate everyday needs
- Differentiate between Spanish and American culture

***Dual Enrollment Disclaimer**

06104H / 06103D Spanish IV H/ DE



Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Spanish III H

Spanish IV Honors is also designed for the serious student of Spanish who is planning to continue his/her study of the Spanish language at the university level, and perhaps major or minor in Spanish. In addition to the core course content, students enrolled in this course will sharpen their communication skills in Spanish through participation in various Honors-level projects in which the language will be used creatively by the students to produce a finished product, such as a classroom newspaper in Spanish or videos in Spanish. Writing skills will be emphasized as students analyze and react to additional literary works that go beyond the core content of the Spanish IV course. The writing strategies used in the course are integrated with prewriting, writing, and post-writing tasks designed to develop students. ***Dual Enrollment Disclaimer**

06112 AP Spanish Language and Culture



Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Spanish IV H

This course is intended for students who wish to develop proficiency in modern spoken Spanish. Students who take this course will obtain an advanced proficiency in Spanish grammar. This grammar will be used in both spoken and written expression. Students will also read and listen to authentic Spanish materials. Students who choose this course should have an advanced proficiency in Spanish reading, writing, listening, and speaking. Preparation for the Advanced Placement test will be a key component of this class. After completing this course, students will be able to:

- Understand a lecture or discussion in Spanish by native Speakers of Spanish
- Speak in Spanish at a conversational pace
- Read and discuss written authentic materials in Spanish (newspaper articles, short stories, etc.)
- Write about current issues and personal experiences.

***AP Disclaimer**

06113 AP Spanish Literature



Grades 11, 12

1.0 credit

Prerequisite: Successful completion AP Spanish Language

The AP Spanish Literature course is designed to provide students with a learning experience equivalent to that of a third-year college course in Peninsular and Latin American Literature. The course is designed to introduce students to the formal study of a representative body of Peninsular and Latin American literary texts. Among introductory college courses, the literature survey far outnumbers the genre or theme-oriented course and a considerable variety of authors are usually studied at the college level. Most colleges teach authors from before the 19th century, and many go as far back as the Medieval Period. So that the AP Spanish Literature course more closely approximates an introductory literature course typically taught at the college level, a comprehensive and inclusive reading list is used. This reading list introduces students to the diverse literature written in Spanish, and thus helps them reflect on the many voices and cultures included in this very rich literature.

***AP Disclaimer**

06106 Spanish for Native Speakers and Heritage Learners

Grades 9-12

1.0 credit

In this course students with basic conversational and literacy skills in Spanish will develop their Spanish language proficiency through interpretive, interpersonal and presentational tasks. Students will read literature predominately about the Latinx experience in the United States. Students will work on improving their ability to read and write in an academic setting. Students will investigate and discuss a variety of topics such as immigration, education, current events, family traditions, social justice and identity. To enroll in this course, students must take a placement exam.

06301 Latin I



Grades 9, 10, 11, 12

1.0 credit


This course introduces students to the basics of the Latin language and the essential cultural foundations of the ancient Greco-Roman world and their relevance to our everyday lives in the 21st century. Students will read a beginner's version of the *Aeneid*, as well as stories about the founding of Rome, famous Roman figures, and memorable myths. Students who enroll in this course also will be encouraged to write their own Latin prose and poetry with syntax and figures of speech that are appropriate for novice classical language learners. Furthermore, this course will include the study of classical and classically-inspired art, architecture, and film.

06302 Latin II 
Grades 9, 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Latin I; 70% in Latin I and passing score on diagnostic exam (8th Grade)

This is an intermediate course designed to challenge students to read, write, and reflect (verbally and in writing) upon adapted and authentic Latin passages about famous mythological or historical figures (e.g. Odysseus and Julius Caesar), so students eventually can begin to translate and critique authentic Latin prose and poetry. Those who enroll in this course will be encouraged to write their own Latin prose and poetry with syntax and figures of speech that are appropriate for intermediate classical language learners. The continuation of study of a classical language and culture will help students communicate more effectively in English as well. Furthermore, this course will include more in-depth study of classical and classically-inspired art, architecture, and film that had begun in Latin I.

06303 Latin III H 
Grades 10, 11, 12

1.0 credit

Prerequisite: Successful completion of Latin II

Latin III Honors is an advanced course that provides greater opportunities for the more serious language student. In this course, students continue to read, write, and reflect (verbally and in writing) upon adapted and authentic Latin passages about famous mythological or historical figures (e.g. Aeneas and Cicero), so students can translate and critique more difficult passages of authentic Latin prose and poetry. Students will gain more confidence in expressing more detailed ideas and in reading more diversified literature as well. Furthermore, this course will include more in-depth study of classical and classically-inspired art, architecture, and film that had begun in Latin I and Latin II.

6304 Latin IV H 
Grades 11, 12

1.0 credit

Prerequisites: Successful completion of Latin III H

Latin IV is an Honors course that provides students with opportunities to refine and expand the four language skills further. Students will write their own Latin prose and poetry with syntax and figures of speech that are appropriate for advanced classical language learners. Furthermore, this course will include more in-depth study of classical and classically-inspired art, architecture, and film that had begun in Latin I, Latin II, and Latin III Honors. This course ensures the student of the comprehensive background necessary for further study of Latin at the college level.

06313 AP Latin Vergil 
Grades 11, 12

1.0 credit

Prerequisites: Successful completion of Latin IV H

The AP Latin Vergil course will provide an opportunity for intermediate to advanced-level Latin students to study the inspiring, paradoxically Roman and universal epic poem, the *Aeneid*. The translation and analysis of key selections of this twelve-book poem would allow students to find the clues to understanding the complexities of the beginning years of the Julio-Claudian Dynasty and the attitudes of the ancient Romans in the early days of the Empire beyond a few lines in a textbook. The study of this poem is important because it is used as a classical reference in the poems of Tennyson, T.S. Eliot, and W.H. Auden, among other illustrious poets and writers. ***AP Disclaimer**

ALLIED HEALTH

The following courses are offered as part of our Allied Health Program, offered as dual enrollment with Montgomery County Community College. The Allied Health program will consist of a Junior/Senior year course load that has been designed to enhance the internship experience and provide the student with a valuable classroom learning experience to optimize the educational aspect of the course.

Junior year will consist of: Medical Terminology (DE), Careers in Healthcare (DE), Human Anatomy and Physiology
Senior year will consist of: Medical Law and Ethics (DE), Safety and First Aid (DE), Foundations of Clinical Practice

08055S Safety and First Aid/Sports Medicine H/DE

Grades 11, 12

1.0 credit

This course is designed to develop and provide the citizen responder with the knowledge and skills necessary to help sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. American Heart Association certifications in First Aid: Responding to Emergencies and Adult and Child CPR/AED with Infant CPR and First Aid and Automated External Defibrillator (AED) are available upon meeting certification requirements. ***Dual Enrollment Disclaimer**

14001 Careers in Healthcare H DE

Grades 11, 12

0.33 credit

Professions in the healthcare industry offer students a wide range of career opportunities. This course will provide an overview of the healthcare industry and the variety of disciplines that support it. The course will investigate healthcare careers, focusing on the nature of the work, legal and ethical responsibilities, as well as required abilities, educational preparation, and credentialing. Understanding the impact of current trends in healthcare on employment will assist students toward planning and pursuit of their own career goals. An opportunity to interface with a variety of healthcare practitioners encourages discussion and examination of professional activities. ***Dual Enrollment Disclaimer**

14254 Medical Law and Ethics for Health Professionals H DE

Grades 11, 12

1.0 credit

This course provides the student with a deeper understanding of legal and ethical issues in healthcare. Students explore the legal, ethical, and moral dilemmas currently faced by healthcare professionals and identify issues related to potential legal liability in the workplace. Cross-listed with MAS 114, this course meets General Education Core Goal 13: Ethical Reasoning and Behavior. ***Dual Enrollment Disclaimer**

14154 Medical Terminology H DE

Grades 11, 12

0.5 credit

This course is designed to develop a basic understanding of human body systems and the medical vocabulary associated with these systems. While attaining a working knowledge of human anatomy, students will experience a word-building system comprised of medical prefixes, suffixes and word roots that will allow them to write and to develop fundamental concepts for the meaning of various medical nomenclature. Accurate spelling medical definitions and medical abbreviations are key elements. ***Dual Enrollment Disclaimer**

14999 Foundations of Clinical Practice H
Grades 11, 12

1.0 credit

This course is for the students who have applied to and have been accepted into the Allied Health program at PAHS. This course is designed to provide the student with a detailed review of the anatomy and physiology of the organ systems that they will be working with during their upcoming clinical rotation. In addition to the review, the student will learn the general function and conditions of the organ system. The student will study various diseases, illnesses and injuries that affect the organ system, and the therapies, (including surgeries) that are used to treat each specific condition. By the end of each unit, the student will be expected to have an understanding of the concepts surrounding the specific organ system.

WORLD LANGUAGE INDEPENDENT STUDY



Program Parameters

- The online **Rosetta Stone World Language Program** cannot replace a students' existing world language taught at Phoenixville Area High School.
- The program is designed to be an independent learning experience for highly motivated world language learners.
- The program's prerequisite criteria is that students must have completed 2 years of a world language, and have an 85% average in the highest level world language course.
- Consideration will be given to a student in weighted world language courses who do not meet the direct criteria.
- Students will begin study in Level 1 of the selected **Rosetta Stone Program**. The online lessons take approximately 80 hours to complete; as well as 40 hours of offline practicing, speaking, and writing. Student would be expected to devote approximately 6-7 hours a week of study for the duration of a semester.
- To satisfactorily complete a level, students must complete all activities by the last day of the school semester with a final average of at least 80%.
- Students who satisfactorily complete the level will earn half a credit that will appear on their PAHS transcript. Students who do not satisfactorily complete the level will have a rating of unsatisfactory and will not receive credit. When credit is earned, it will not be calculated for GPA.
- The expectation is that the students will access all materials online.
- Students will need to provide their own headset- microphone.
- Students may choose from the following (23 options): Arabic, Hebrew, Polish, Chinese (Mandarin), Hindi, Portuguese (Brazil), Dutch, Irish, Russian, Italian, Spanish (Latin America), Japanese, Spanish (Spain), Filipino (Tagalog), Korean, Swedish, French, Latin, Turkish, German, Persian (Farsi), Vietnamese, or Greek.
- Before selecting a language, students should research the above languages and cultures of interest.
- As an accountability measure, participating students and their parents will sign and return the **Rosetta Stone Contract** by August 1.
- The Phoenixville Area School District will pay for the students' enrollment in the program. Students will be required to reimburse the Phoenixville Area School District \$90 if they do not complete the course.



TECHNICAL COLLEGE HIGH SCHOOL

Career and Technical Education Pathways

The Technical College High School (TCHS) Pickering Campus is a public high school specializing in Career and Technical Education (CTE). This is a part time option for students, grades 10 -12, with academics held at PAHS. CTE programs prepare students for success in college, the workplace and life. Most CTE programs at TCHS are designated as High Priority Occupations (HPO) by the Pennsylvania Department of Labor and Industry, and all are aligned with the Pennsylvania State Academic Standards and national certifications.

Career and Technical Education programs lead seamlessly to postsecondary education through the Pennsylvania Department of Education's (PDE) SOAR Programs of Study. The mission of SOAR is to prepare **S**tudents (who are) **O**ccupationally and **A**cademically **R**eady for college and careers in an increasingly diverse, high performing workforce. Graduates of the Pickering Campus' approved SOAR programs who meet challenging academic and technical criteria qualify for several **free** credits at over forty participating postsecondary institutions across Pennsylvania. These include the Pennsylvania College of Technology, Delaware County Community College, Montgomery County Community College, Clarion University, Thaddeus Stevens College of Technology and Harcum College. For more information, about SOAR and the complete list of participating colleges and postsecondary programs, visit www.cciu.org.

"Get the credits you've already earned!" in the following TCHS SOAR programs: **Automotive Collision Technology, Automotive Service Technology, Carpentry, Criminal Justice & Police Sciences, Commercial & Graphic Arts, Culinary Arts, Early Childhood Care & Education, Sustainable Energy Engineering, Engine Technology, Digital Media and Sound Communications, Engineering and Automated Manufacturing, Health Career Pathways, Precision CNC Machining, Robotics, and Avionics.**

PDE-approved Programs at the Pickering Campus are also college pathways that connect to colleges and technical schools that offer credits for technical skills mastered at the Pickering Campus. These Programs are: **Cosmetology and Animal Science.**

In addition to the PDE-approved CTE programs, TCHS also offers, to seniors only, college preparatory academies: **Teacher Leadership Academy and Allied Health Hospital, Community Health, Sports Medicine, and EMT Pathways.**

Apply online at www.tchspickering.org. For additional information, contact the TCHS admissions specialist by email, admissions@cciu.org or call (484) 237-5325.

19151A Teacher Academy H DE

Grade 12

2.0 credit

The Teacher Academy offered by the Chester County Intermediate Unit is a two-credit college preparatory program for high school seniors interested in pursuing a career in the field of Education. The Teacher Academy provides an introduction to the knowledge and skills required to work in the teaching profession in the 21st Century.

The course consists of 7.5 hours/week (90 minutes/day, either morning or afternoon) divided between classroom instruction and internships with certified, tenured teachers at all grade levels, resulting in approximately 180 hours of instruction and 90 hours of internship experience. In addition, guest speakers from Education will present throughout the year. Students will also participate in relevant field trips. As a culminating project, students complete a portfolio.

14001A Allied Health Science Technology H Grade 12

2.0 credit

Allied Health Science Technology is an Honors program for academically-talented high school seniors considering a career in the medical profession. The program includes 7.5 hours per week of classroom and clinical experience in local health care facilities, where students are introduced to a variety of careers. Students' clinical experiences are supervised by the program instructor in collaboration with hospital staff. This opportunity is provided through the Technical College High School, Pickering Campus. Students can also enroll in dual enrollment college courses for college credit.

For more information about all of Technical College High School, Pickering Campus's rigorous Career and Technical Education programs and the application process, please visit: www.tchspickering.org or contact the Admissions Specialist at 484-237-5325.

The Technical College High School, Pickering Campus is operated by the Chester County Intermediate Unit (CCIU) on behalf of Chester County's 12 public school districts

*Advanced Placement Disclaimer

Advanced Placement (AP) course work **does not guarantee** credit advancement at the college or university of your choice. Many colleges and universities do grant credit for a score of 3 or greater on the Advanced Placement Exam. However, the decision to award credit is at the discretion of the individual university. Independent of the awarding of credit, Advanced Placement course work during the high school academic career demonstrates academic rigor and is frequently a positive factor in university acceptance decisions. For your convenience, College Board has provided a link that allows you to search colleges for their Advanced Placement policies.
<https://apstudent.collegeboard.org/creditandplacement/search-credit-policies>

*Dual Enrollment Disclaimer

Dual Enrollment course work **does not guarantee** credit advancement at the college or university of your choice. Many colleges and universities do grant credit for a "C" or better in a Dual Enrollment course. However, the decision to award credit is at the discretion of the individual university. Independent of the awarding of credit, Dual Enrollment course work during the high school academic career demonstrates academic rigor and is frequently a positive factor in university acceptance decisions. ***All students enrolled in dual enrollment courses must register for credit with the respective college through a completed application and either passing the placement test or exemption with SAT scores.***



NCAA Indicator

Student-athletes wishing to participate in a sport at a Division I or II college are required to meet certain eligibility requirements set forth by the NCAA. 16 approved core courses are one of the requirements. Based on those 16 core courses, there is a minimum GPA required as well. Not all high school courses are approved. Courses in our Program of Study that have the NCAA trademark are approved core courses. For additional eligibility information and requirements, please check this [website](#). School Counselors will discuss NCAA with students during their individual course selection meetings and our College and Career Counselor will monitor NCAA academic progress once the student identifies to the counselors their intent to participate in college.

COURSE SELECTION QUICK REFERENCE GUIDE

Code	Level	Description	Credit	Req/Elec	9th	10th	11th	12th
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ENGLISH

01001	CC	English 9: The Elements of Literature	1.0	Required	✓			
01001H	H	English 9: The Elements of Literature	1.0	Required	✓			
01101	CC	Techniques of Writing/Pathways Exploration	0.5	Required	✓			
01051	CC	English 10: Cultural Currents in Literature	1.0	Required		✓		
01051H	H	English 10: Cultural Currents in Literature	1.0	Required		✓		
01054	CC	English 11: American Literature	1.0	Required			✓	
01054H	H	English 11: American Literature	1.0	Required			✓	
01005	AP	English 11: Language and Composition	1.0	Required			✓	
01056	CC	English 12: British & Euro Lit	1.0	Required				✓
01056H	H	English 12: British & Euro Lit	1.0	Required				✓
01006	AP	English 12: Literature & Composition	1.0	Required				✓
01151	CC	Communication Arts/Public Speaking	0.5	Elective	✓	✓	✓	✓
01104	CC	Creative Writing	0.5	Elective	✓	✓	✓	✓
05052A	CC	Theatre Arts	0.5	Elective	✓	✓	✓	✓
05168	CC	Introduction to Film Studies	0.5	Elective	✓	✓	✓	✓
01060A	CC	Shakespeare	0.5	Elective		✓	✓	✓
01061	CC	Mythology	0.5	Elective		✓	✓	✓
11101J, K, L	CC	Journalism / School Newspaper	1.0	Elective		✓	✓	✓
01106A	AP	AP Seminar, AP Capstone Certificate	1.0	Elective			✓	✓
01106B	AP	AP Research, AP Capstone Certificate	1.0	Elective				✓
01102	H/DE	English Composition DE	1.0	Elective				✓

SCIENCE

03159	CC	Physical Science	1.00	Required	✓			
03159H	H	Physical Science	1.00	Required	✓			
03051	CC	Biology	1.50	Required		✓		
03051H	H	Biology	1.50	Required	✓	✓		
03056	AP	Biology	1.33	Elective		✓	✓	✓
03101	CC	Chemistry (<i>not offered in 24-25</i>)	1.17	Elective		✓	✓	✓
03101H	H	Chemistry (<i>not offered in 24-25</i>)	1.17	Elective		✓	✓	✓
03106	AP/DE	Chemistry	1.33	Elective			✓	✓
03103	H	Introduction to Organic Chemistry	1.0	Elective			✓	✓
03003	CC	Environmental Science	1.0	Elective			✓	✓
03207	AP	Environmental Science	1.33	Elective		✓	✓	✓
03162H	H	Physics	1.17	Elective			✓	✓

03155	AP	Physics 1	1.17	Elective			✓	✓
03156	AP	Physics C	1.33	Elective				✓
03004	CC	Introduction to Astronomy and Oceanography	1.0	Elective			✓	✓
03008	CC	Earth and Space Interactions	1.0	Elective			✓	✓
03053	H	Anatomy and Physiology	1.17	Elective			✓	✓
03201	H/DE	Forensic Science	1.0	Elective			✓	✓
21003	H	Engineering with MATLAB	1.0	Elective			✓	✓

SOCIAL STUDIES

04053	CC	World History	1.0	Required	✓			
04053H	H	World History	1.0	Required	✓			
04057	AP	World History	1.0	Elective	✓	✓	✓	✓
04103C	CC	American History	1.0	Required		✓		
04103H	H	American History	1.0	Required		✓		
04104	AP	United States History	1.0	Elective		✓	✓	✓
04202	CC	Economics	0.5	Required			✓	
04202H	H	Economics	0.5	Required			✓	
04161	CC	Government	0.5	Required			✓	
04161H	H	Government	0.5	Required			✓	
04157	AP	Government and Politics	1.0	Elective			✓	✓
04056	AP	European History	1.0	Elective		✓	✓	✓
04203	AP	Microeconomics	1.0	Elective		✓	✓	✓
04204	AP	Macroeconomics	1.0	Elective		✓	✓	✓
04254	CC	Psychology	1.0	Elective		✓	✓	✓
04256	AP	Psychology	1.0	Elective		✓	✓	✓
04301	CC	African American Studies	1.0	Elective		✓	✓	✓
04259	CC	Sociology	1.0	Elective			✓	✓
04055	H DE	World Civilization	1.0	Elective			✓	✓

ENGLISH LANGUAGE DEVELOPMENT

01008A	CC	English 1	2.0	Required	✓	✓	✓	✓
01008B	CC	English 2	2.0	Required	✓	✓	✓	✓
01008F	CC	English 3	1.0	Required	✓	✓	✓	✓
02049C	CC	Foundations of Math	1.0	Required	✓	✓	✓	✓
02051L	CC	Pre-Algebra for ELs	1.0	Required	✓	✓	✓	✓

MATHEMATICS

02052	CC	Algebra I w/ Lab	1.5	Required	✓	✓	✓	✓
02052A	CC	Algebra I w/o Lab	1.0	Required	✓			
02056	CC	Algebra II	1.0	Required	✓	✓	✓	✓
02056H	H	Algebra II	1.0	Required	✓	✓	✓	✓
02057	CC	Algebra III/Trigonometry	1.0	Required			✓	✓
02072	CC	Geometry	1.0	Required	✓	✓	✓	✓
02072H	H	Geometry	1.0	Required	✓	✓	✓	✓
02110	CC	Pre-Calculus	1.0	Required	✓	✓	✓	✓
02110H	H	Pre-Calculus	1.0	Required	✓	✓	✓	✓
02110D	DE	Pre-Calculus	1.0	Required			✓	✓
02121H	H	Calculus	1.0	Elective		✓	✓	✓
02124	AP	Calculus AB	1.0	Elective		✓	✓	✓
02125	AP	Calculus BC	1.0	Elective			✓	✓
02157	H/DE	Modern College Mathematics	1.0	Elective			✓	✓
02001	CC	Discrete Math & Statistics	1.0	Elective			✓	✓
02201H	H/DE	Statistics	1.0	Elective			✓	✓
02203	AP	Statistics	1.0	Elective			✓	✓
02122	H	Multi-Variable Calculus	1.0	Elective				✓
02154	CC	Mathematics Applications	1.0	Elective				✓

BROADCAST PRODUCTION

11103	CC	Broadcast I	1.0	Elective	✓	✓	✓	✓
1103B	CC	Broadcast II	1.0	Elective		✓	✓	✓
11105	CC	Sports Broadcasting and Journalism	0.5	Elective	✓	✓	✓	✓
11051A	CC	Phantom TV (After School)	0.25	Elective	✓	✓	✓	✓
11051B	CC	Phantom TV (Announcements)	0.25	Elective	✓	✓	✓	✓
11056A	CC	TV Production I	0.5	Elective	✓	✓	✓	✓
11056B	CC	TV Production II	0.5	Elective		✓	✓	✓
11056C	CC	TV Production III	0.5	Elective			✓	✓

BUSINESS & TECHNOLOGY

10005	CC	Computer Applications and Programming	0.5	Elective	✓	✓	✓	✓
12051	CC	Fundamentals of Business	0.5	Elective	✓	✓	✓	✓
12103	CC	Personal Finance	0.5	Elective	✓	✓	✓	✓
12167	CC	Social Media Marketing	0.5	Elective	✓	✓	✓	✓
10160	CC	Computer Programming & Applications	0.5	Elective	✓	✓	✓	✓
10201	CC	Computer Animation and Web Design	1.0	Elective	✓	✓	✓	✓
10003	CC	Technology Essentials	0.5	Elective	✓	✓	✓	✓
10154	CC	Introduction to Programming	0.5	Elective	✓	✓	✓	✓
10019	AP	AP Computer Science Principles	1.0	Elective	✓	✓	✓	✓

12053	CC	Entrepreneurship	0.5	Elective		✓	✓	✓
12054	CC	Business Law	0.5	Elective		✓	✓	✓
12163	CC	Sports and Entertainment Marketing	0.5	Elective		✓	✓	✓
10020	CC	Cybersecurity	1.0	Elective		✓	✓	✓
12104A	CC	Accounting I	1.0	Elective		✓	✓	✓
10157	AP	AP Computer Science A with Java	1.0	Elective		✓	✓	✓
12104B	CC	Accounting II	1.0	Elective			✓	✓
21003	H	Engineering with MATLAB	1.0	Elective			✓	✓
12104C	H	Accounting III	1.0	Elective				✓

FINE ARTS

05154	CC	Art I	0.5	Elective	✓	✓	✓	✓
05154B	H	Art II	1.0	Elective		✓	✓	✓
05154C	H	Art III	1.0	Elective			✓	✓
05159	CC	Ceramics I	0.5	Elective		✓	✓	✓
05159B	CC	Ceramics II	0.5	Elective		✓	✓	✓
05165	CC	Mixed Media	0.5	Elective	✓	✓	✓	✓
05167	CC	Digital Photography I	0.5	Elective		✓	✓	✓
05167B	CC	Digital Photography II	0.5	Elective		✓	✓	✓
10202A	CC	Graphics I	0.5	Elective	✓	✓	✓	✓
10202B	CC	Graphics II	0.5	Elective		✓	✓	✓
05157	H	Mural Arts	1.0	Elective		✓	✓	✓
05172	AP	2-D Art and Design	1.0	Elective				✓

PERFORMING ARTS

05106A	H	Band FT – Brass & Woodwinds	1.0	Elective	✓	✓	✓	✓
05106D	H	Band PT – Brass & Woodwinds	0.5	Elective	✓	✓	✓	✓
051106F	H	Band FT – Percussion	1.0	Elective	✓	✓	✓	✓
05106I	H	Band PT – Percussion	0.5	Elective	✓	✓	✓	✓
05103	CC	Marching Band (out of school)	0.5	Elective	✓	✓	✓	✓
05105	H	Jazz Band (out of school)	0.5	Elective	✓	✓	✓	✓
05104	H	Orchestra FT	1.0	Elective	✓	✓	✓	✓
05104C	H	Orchestra PT	0.5	Elective	✓	✓	✓	✓
05147	H	String Ensemble (out of school)	0.5	Elective	✓	✓	✓	✓
05110A	H	Phantom Singers FT – SATB	1.0	Elective	✓	✓	✓	✓
05110C	H	Phantom Singers PT – SATB	0.5	Elective	✓	✓	✓	✓
05110F	H	Bel Canto Choir FT – SSA	1.0	Elective	✓	✓	✓	✓
05110I	H	Bel Canto Choir PT – SSA	0.5	Elective	✓	✓	✓	✓
05111	H	Vocal Ensemble (after school hours)	0.5	Elective		✓	✓	✓
05052A	CC	Theatre Arts	0.5	Elective	✓	✓	✓	✓
05113	CC	Music Theory and Composition	0.5	Elective	✓	✓	✓	✓
05108	CC	Beginning Guitar	0.5	Elective	✓	✓	✓	✓
05107A	CC	Beginning Piano	0.5	Elective	✓	✓	✓	✓

21008		Digital Music	0.5	Elective	✓	✓	✓	✓
05114	AP	Music Theory	1.0	Elective			✓	✓

PHYSICAL EDUCATION AND HEALTH

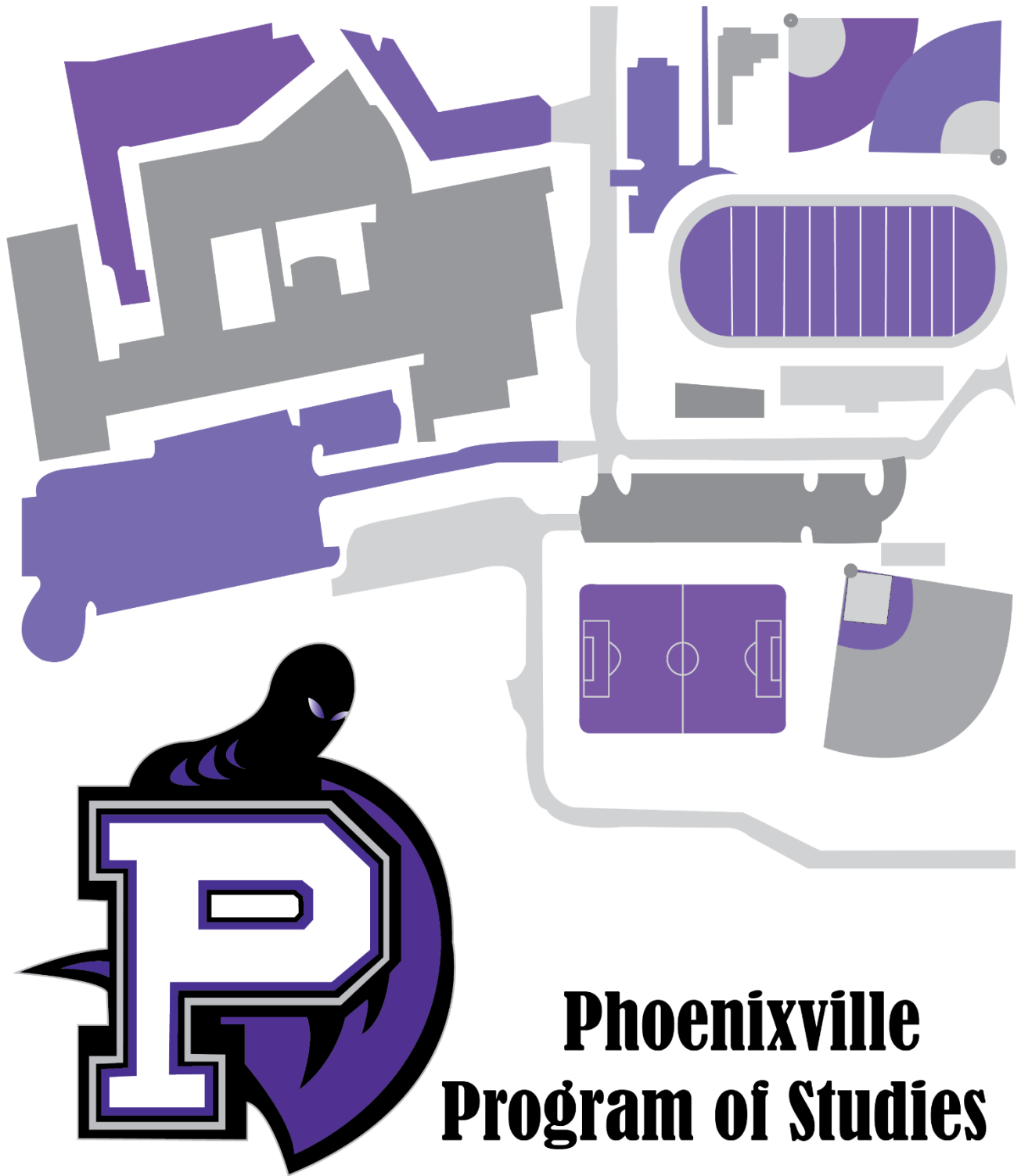
08001R	CC	Physical Education	0.5	Required	✓	✓	✓	✓
08001X	CC	Physical Activity	0.25	Required	✓	✓	✓	✓
08051S	CC	Stress Management	0.5	Elective	✓	✓	✓	✓
08051C	CC	Health, Safety, and Physical Education	0.5	Required		✓	✓	✓
08051V	CC	Health, Safety, and Physical Education – Online	0.5	Required		✓	✓	✓
08009F	CC	Fitness and Weight Training	0.5	Elective		✓	✓	✓
08005	CC	CrossFit	0.5	Elective		✓	✓	✓
08001A	CC	Advanced Physical Education	0.5	Elective			✓	✓
08055S	H/DE	Safety and First Aid/Sports Medicine	0.5	Elective			✓	✓
14154	H/DE	Medical Terminology	0.5	Elective			✓	✓
14254	H/DE	Medical Law and Ethics for Health	0.5	Elective			✓	✓

ALLIED HEALTH , TCHS & EDUCATION CAREERS

14001	H/DE	Careers in Healthcare	0.33	Elective			✓	✓
14154	H/DE	Medical Terminology	1.0	Elective			✓	✓
14254	H/DE	Medical Law and Ethics for Health	1.0	Elective			✓	✓
14999	H	Foundations of Clinical Practice	1.0	Elective			✓	✓
19151	CC	Educators Rising	1.0	Elective			✓	✓
19151a	H/DE	Teacher Academy (TCHS)	2.0	Elective				✓

WORLD LANGUAGES

06101	CC	Spanish I	1.0	Elective	✓	✓	✓	✓
06102	CC	Spanish II	1.0	Elective	✓	✓	✓	✓
06103	H/DE	Spanish III	1.0	Elective		✓	✓	✓
06104	H/DE	Spanish IV	1.0	Elective		✓	✓	✓
06112	AP	AP Spanish Language	1.0	Elective		✓	✓	✓
06113	AP	AP Spanish Literature	1.0	Elective			✓	✓
06121	CC	French I	1.0	Elective	✓	✓	✓	✓
06122	CC	French II	1.0	Elective	✓	✓	✓	✓
06123	H/DE	French III	1.0	Elective	✓	✓	✓	✓
06124	H/DE	French IV	1.0	Elective			✓	✓
06132	AP	AP French Language	1.0	Elective			✓	✓
06301	CC	Latin I	1.0	Elective	✓	✓	✓	✓
06302	CC	Latin II	1.0	Elective	✓	✓	✓	✓
06303	H	Latin III	1.0	Elective		✓	✓	✓
06304	H	Latin IV	1.0	Elective			✓	✓
06313	AP	Latin Vergil	1.0	Elective			✓	✓



Phoenixville Program of Studies 2024-2025

Phoenixville Area High School
1200 Gay Street - Phoenixville, PA 19460
484-927-5100 (office) - 484-927-5174 (fax) www.pasd.com