SCHOOL YEAR 2025-2026

CLASS OF 2029

POTTSVILLE AREA HIGH SCHOOL

FRESHMAN COURSE SELECTION BOOK

DEAR STUDENT,
Pottsville Area High School takes great pride in preparing you for higher education and future employment. Our goal is to provide each student with diverse and challenging learning opportunities as he or she develops into a responsible and creative citizen who understands the rewards of lifelong learning. We offer a wide variety of courses, both required and elective, and urge you to review the courses described on the following pages with your parents/guardians. Some courses have prerequisites and others do not. While making choices about your future endeavors, please consider the program of study associated with your future goals. Your parents can help with this process by providing an adult perspective to complement your school counselor's feedback. Please make an appointment with your school counselor should you have any questions about the scheduling process.

Sincerely,
Mrs. Tiffany Hummel, Principal and Mr. Jeromy Guistwite, Vice Principal

COUNSELING STAFF

Mr. Kyle Roeder – School Counselor A - G	(570) 621-2964
Mrs. Cindy Stasulli - School Counselor H – O	(570) 621-2964
Mrs. Kayla Dean - School Counselor P - Z	(570) 621-2964
Mrs. Lori Schuster, Administrative Assistant	(570) 621-2964

A NOTE TO PARENTS
Information contained in the course selection booklet is intended to serve as a guide in assisting students with scheduling. Details may be adjusted at the discretion of the school counselors and/or administration. Students will not be allowed to drop a course for any reason. This includes study halls and courses in the second semester. Additionally, neither teacher requests nor Lunch period change requests will not be honored.

GRADUATION REQUIREMENT
Every student shall complete at least 21 credits, which includes:

4 English credits
4 Social Studies credits
3 Mathematics credits
3 Science credits
2 Arts and Humanities credits*
1 Personal Finance course
1 Health course
1 Physical Education course
Designated Keystone courses**

***Examples of Humanities are Art, Drama I, YES, Foreign Languages, Music, and one credit earned at the Schuylkill Technology Center.*

HONORS PROGRAM
Honors courses are designed to challenge highly motivated and academically skilled students. These courses often include in-depth studies of particular subjects accompanied by rigorous demands upon students in terms of study skills, homework, and independent projects. Instructional strategies for honors courses simulate the approaches utilized in the most competitive colleges and universities.
Honors level courses are granted additional quality points in rank calculation. Placement in honors level courses is based in part on students meeting appropriate prerequisites, previous grades earned in the subject area, and teacher recommendation.

ADVANCED PLACEMENT PROGRAM

AP courses are college level courses; therefore, there is a higher level of expectation than in honors and college preparatory courses. Students who enroll in AP courses will sit for the AP exam in that course. AP exams are administered in May of each school year. A score of three on a scale of one to five may result in placement and/or credit at the college level. Please note that some colleges may require a minimum score of four to be eligible for college credit, while certain colleges do not grant credit for any AP courses - regardless of the score achieved. AP courses are only available to students who meet the appropriate prerequisites. There is **summer preparation work required** for many of the AP courses. Additionally, AP courses are granted higher quality points in rank calculation. Students are responsible for the examination fees for AP exams. AP courses offered by Pottsville Area High School include: AP Literature & Composition, AP Language & Composition, AP World History, AP United States History, AP Government & Politics, AP Computer Science, AP Statistics, AP Calculus, AP Physics 1, AP Biology, AP Chemistry, and AP Art. **TO REMAIN ENROLLED IN AN AP COURSE, PAYMENT FOR EACH EXAM IS DUE ON OR BEFORE THE FIRST DAY OF SCHOOL. COURSE DROPPED DUE TO LACK OF PAYMENT WILL NOT BE REPLACED.**

THE GRADING SYSTEM

Each credit course in the high school has been assigned a designation of "Standard", "Academic", "Honors", "Honors (Double Lab)" or "AP" based on the academic rigor of the course. Students are given quality points based on the credit value of a course (i.e., 0.5 for a semester course, 1.0 for a year-long course) as well as the grade they receive in each of these courses. The grading scale is as follows:

Letter Grade	Grade Range	Standard	Academic	Honors	Honors (Double Lab)	AP
A+	≥ 97	4.00	4.25	4.50	4.60	5.00
A	93-96	3.75	4.00	4.25	4.35	4.75
A-	90-92	3.50	3.75	4.00	4.10	4.50
B+	87-89	3.25	3.50	3.75	3.85	4.25
B	83-86	3.00	3.25	3.50	3.60	4.00
B-	80-82	2.75	3.00	3.25	3.35	3.75
C+	77-79	2.50	2.75	3.00	3.10	3.50
C	73-76	2.25	2.50	2.75	2.85	3.25
C-	70-72	2.00	2.25	2.50	2.60	3.00
D+	67-69	1.75	2.00	2.25	2.35	2.75
D	63-66	1.50	1.75	2.00	2.10	2.50
D-	60-62	1.25	1.50	1.75	1.85	2.25
F	< 60	0.00	0.00	0.00	0.00	0.00

**Quality points for each course are calculated by multiplying the course credit by the final grade score. Here is an example of a student quality point calculation:

Course Name	Designation	Credits	Final Grade	Grade Value	Quality Point Calculation	Quality Points
English 9	Academic	1.0	B+	3.50	1.0 x 3.50	3.50
American History II	Academic	1.0	A-	3.75	1.0 x 3.75	3.75
Geometry (Honors)	Honors	1.0	C-	2.50	1.0 x 2.5	2.50
Phys Ed	Standard	0.25	B	3.00	0.25 x 3.00	0.75
9th Marching Band	Academic	0.5	A	4.00	0.5 x 4.00	2.00
9th Concert Band	Academic	0.5	A-	3.75	0.5 x 3.75	1.875
Intro to Art	Academic	0.5	B+	3.50	0.5 x 3.50	1.75
Intro. to Lab Science	Standard	0.25	A-	3.50	0.25 x 3.50	0.875
Intro to Buisiness	Academic	0.5	A+	4.25	0.5 x 4.25	2.125
						Total: 19.125

**The class rank for a student is determined at the end of each school year based on the cumulative quality points earned from 9th through 12th grade.

NATIONAL HONOR SOCIETY

Selection for membership is based on outstanding student scholarship. To remain a member students must exhibit scholarship, character, leadership, and service. This is determined by administration and the National Honor Society advisors.

Scholarship: Students in the top ten percent of the senior class or the top five percent of the junior class will be inducted into the National Honor Society.

Service: This quality is defined as the voluntary contributions made by a student to the school or community without compensation, reward, or educational credit.

Leadership: Student leaders are those who are resourceful, dependable, good problem solvers, promoters of school activities, idea-contributors, and persons who exemplify positive attitudes about life. Leadership experiences can be drawn from school or community activities while working with or for others.

Character: The student of good character upholds principles of morality and ethics, is cooperative, demonstrates high standards of honesty and reliability, and shows courtesy, concern, and respect for others. Prospective members must have a record without major attendance issues or known violations of character. This includes offenses such as excessive absences, cheating, plagiarism or blatant disregard for school policies or rules. If honor violations occur after induction into the National Honor Society or there is a failure to uphold the virtues of the National Honor Society, membership may be revoked.

Pottsville Area High School National Honor Society Academic Honesty Policy

The Pottsville Area School District mandates academic honesty and integrity. Honest behavior is the responsibility of all members of the learning community. The Pottsville Area High School defines a violation of academic honesty as the following:

- Misrepresenting one's knowledge through acts of cheating.
- Plagiarism – wrongfully using or taking the ideas of others without giving due credit.
- Obtaining advance information about quizzes, tests, and examinations.
- Choosing to be absent or late on the due date of a paper, project, tests or examination.
- Using or consulting unauthorized material or devices on papers, quizzes, tests or examinations.
- Using previous projects or papers, or portions of, for more than one course without permission.
- The unauthorized use of others' work to copy or complete an assignment.
- Providing work to others to copy or complete an assignment without a teacher's permission.

The National Honor Society induction ceremony will be held in the fall of each year. Students who do not qualify during their junior year, but who do meet the requirements at the beginning of their senior year will be eligible for membership as a senior, and will be inducted into the National Honor Society during the fall induction of new members.

Seniors will receive Honor Graduate cowls in a recognition ceremony in May prior to graduation, if they are in the top 10% of their graduating class

NCAA INFORMATION

Any student who plans to participate in athletics on the college level must meet certain minimum standards by the time he/she graduates from high school. Certain courses offered at Pottsville Area High School are NCAA approved. A list of these courses is available in the Guidance Office. Please consult with your school counselor when scheduling courses. Student athletes planning to play Division I or Division II – AA should register with the NCAA Clearinghouse at the end of their 11th grade year at www.ncaa.org.

EQUAL RIGHTS AND OPPORTUNITIES DECLARATION

Pottsville Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, or handicap in its activities, programs, or employment practices required by Title VI, Title IX and Section 504.
For information regarding civil rights or grievance procedures, or for information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact district personnel at the Howard S. Fernsler Academic Center, 1501 Laurel Boulevard, Pottsville, PA 17901. Telephone: (570) 621-2900.

PROGRAMS OF STUDY

COLLEGE PREPARATORY - This program of study is for the student who wishes to pursue a career that requires four or more years of education at a college or university. All college prep students must successfully complete two consecutive years of the same foreign language.

ACADEMIC - Within this program, students gain the minimal requirements needed for some formal education beyond high school either in a technical school, community college, or four-year college or university.

BUSINESS – Students can prepare for either a two or four-year postsecondary educational program or career.
Business, College Prep – This is for the serious business student interested in pursuing a Bachelor degree in a business related major (i.e. Accounting, Finance, Management, and Marketing).

Business, Academic – This track is for those students considering starting their career in business at a two-year business school, community college, or the workforce.

CAREER & TECHNOLOGY – This program of study is for the student who wishes to pursue a career that requires specialized technical training. Students who are interested in furthering their education at a trade school must apply to the Schuylkill Technology Center (STC) for admission to the program of their choice.

REQUIRED FRESHMAN YEAR CORE COURSES ACCORDING TO PROGRAM OF STUDY

ALL AREAS	COLLEGE PREP	ACADEMIC	BUSINESS	CAREER & TECHNOLOGY
English 9 or 10*	1 credit of Foreign Language	1.5 credits or more of electives	.50 Exploring Microsoft Office	1.5 – 2.5 credits of electives
American History II	2.5 credits		1 credit Accounting 1	
Algebra IA or IB, Alg II, Alg II (H), Geo (H)**			Additional electives up to 2 credits	
Concepts in Science 1 and 2 or Biology (H)* and Intro Lab Sciences				
Physical Education				

***Geometry (H) prerequisite* = Minimum "A" average in Algebra IB along with scoring Advanced on the Keystone Algebra Exam with recommendation of previous math teacher. This class should only be taken as a freshman if coupled with the Honors Algebra II. This doubling of math courses in 9th grade would put you on track to take Calculus as a junior, so that you could take Advanced Calculus as a senior. This is only recommended for the very best math students, and all prerequisites must be met.

**Algebra II prerequisite = At least Proficient on the Keystone Algebra Exam with an A in Algebra IB or Advanced on the Keystone Algebra Exam with at least a B in Algebra IB.

**Students with a final average of a C or lower in Algebra IB will need to repeat Algebra IB.

**Students who are not taking (H) Alg II and (H) Geom., and who are not repeating Algebra 1B, and feel that they might struggle when going to the next level of Math, may either opt to retake Algebra IB or opt for Non-honors Algebra II.

COURSES AVAILABLE FOR FRESHMEN				
Course #	**Course Name**	**Course Length**	**Credits**	**Classification of QP**
015	PHYS ED	Q	0.25	Standard
023	HEALTH	S	0.50	Standard
111 OR 112	ENGLISH 9	YR	1	Academic
121	ENGLISH 10	YR	1	Academic
168	DRAMA I	S	0.50	Academic
211 OR 212	AM HISTORY II	YR	1	Academic
314	ALGEBRA 1A	YR	1	Academic
315	ALGEBRA 1B	YR	1	Academic
321	GEOMETRY (H)	YR	1	Honors
334	ALGEBRA II (H)	YR	1	Honors
335	KEYSTONE ALGEBRA I	S	0.50	Academic
411a OR 412a	CONCEPTS IN SCIENCE 1	S	0.50	Academic
411b or 412b	CONCEPTS IN SCIENCE 2	S	0.50	Academic
421	BIOLOGY (H)	YR	1	Honors
458	INTRO.LAB SCIENCE	Q	0.25	Standard
511	FRENCH I	YR	1	Academic
521	GERMAN I	YR	1	Academic
541	SPANISH I	YR	1	Academic
612	EXP MIC OFFICE	S	0.50	Academic
625	PERSONAL FINANCE	S	0.50	Academic
640	ACCOUNTING I	YR	1	Academic
653	INTRO TO BUSINESS	S	0.50	Academic
675	CONS CAREER EXPLORATION	S	0.50	Academic
702	INTRODUCTION TO ART	S	0.50	Academic
721	CONCERT CHOIR	YR	1	Academic
720	INTRO TO MUSIC	S	0.50	Standard
750	9TH MARCHING BAND	S	0.50	Academic
754	9TH CONCERT BAND	S	0.50	Academic
921	9TH BAND FRONT	S	0.30	Standard
925	9TH BAND FRONT/CONCERT BAND	S	0.50	Academic
930	MOTION DESIGN	S	0.50	Academic
940	VIDEO PRODUCTION FUNDAMENTALS	S	0.50	Academic
948	COMMUNICATION DESIGN	S	0.50	Academic

*Students displaying high academic potential may schedule a second foreign language.
**College Prep and Academic students may take Accounting I as an elective, provided they have an above average Math potential and the recommendation of the eighth grade Math Teacher.
***Introduction to Art is the prerequisite to all other art courses available at the high school.

HEALTH AND PHYSICAL EDUCATION

015 Physical Education .25 credit STANDARD

Prerequisites: grade 9. Physical Education is an elective course where students are expected to participate in the activities that are provided to them throughout the semester. The class will focus on lifelong fitness activities as well as team sports. However, the emphasis of the class will be the importance of staying physically fit throughout the course of one's life. In addition, many of the activities that will be provided during this course will force students to work together in teams or groups, to problem solve, to strategize, and communicate with one another in order to be successful. These are skills that will be beneficial to students throughout their high school careers and beyond. The duration of this required course is one marking period and it is taken opposite of Intro to Lab Sciences 458 (.25).

023 Health .50 credit STANDARD

The overall well-being of our students is a vital component of the educational process and among life's highest priorities. As such, Health is a graduation requirement for all Pottsville Area High School students. In this course, careful attention is given to providing a balanced and holistic approach in which the physical, emotional, and social dimensions of health are highlighted. This includes, but is not limited to, issues of social interaction and tolerance, alcohol education, disease prevention, and sex education. These and other features of health are accentuated with special emphasis being placed on translating hypothetical knowledge into a healthy attitude and lifestyle. Health thus provides students with the opportunity to gain valuable knowledge and wisdom, thereby enhancing their personal well-being.

ENGLISH

111 English 9 (College Prep) 1 credit ACADEMIC

Prerequisites: None. By completing both group and individual projects, as well as evaluating a wide variety of literature and nonfiction, students in English 9 improve their communication, critical thinking, and literary analysis skills. Students build skills for future academic success through both formal and informal assignments that complement the research skills, literary analysis, and media literacy components of the course. In conjunction with the Social Studies department, students will complete a cross-curricular research project. Many learning activities incorporate technology. *Students who fail English 9 will automatically be rescheduled for it, unless the course is taken during summer school. These students will take English 9 and English 10 concurrently.*

112 English 9 (Academic) 1 credit ACADEMIC

Prerequisites: None. By completing both group and individual projects, as well as evaluating a wide variety of literature and nonfiction, students in English 9 improve their communication, critical thinking, and literary analysis skills. Students build skills for future academic success through both formal and informal assignments that complement the research skills, literary analysis, and media literacy components of the course. In conjunction with the Social Studies department, students will complete a cross-curricular research project. Many learning activities incorporate technology. *Students who fail English 9 will automatically be rescheduled for it, unless the course is taken during summer school. These students will take English 9 and English 10 concurrently.*

121 English 10 1 credit ACADEMIC

Prerequisites: Grade 10 and accelerated 9th grade students. Students in English 10 will expand on the skills learned in English 9 and critically apply those concepts to wide variety of higher level literature. Students will develop their communication, critical thinking, and literary analysis capabilities. Students use writing and research

skills to delve into increasingly complex texts and present their evaluations in a variety of formats. At the end of this course, students should be prepared to take the Keystone Literature Exam. Many learning activities incorporate technology. *Students who fail English 10 will automatically be rescheduled for it, unless the course is taken during summer school.*

SOCIAL STUDIES

211 American History II (College Prep) 1 credit ACADEMIC

Prerequisites: None. American History II covers American History from the writing of the Constitution through 1900. This course emphasizes the growth of democracy in America. The roles and contributions of the individuals who shaped our democracy will be emphasized. This course examines the many aspects of social, cultural, political, and economic development and change in the United States during the 18th and 19th centuries. *Students who fail American History II will automatically be rescheduled for it, unless the course is taken during summer school. These students will take American History II and World History concurrently.*

212 American History II (Academic) 1 credit ACADEMIC

Prerequisites: None. American History II covers American History from the writing of the Constitution through 1900. This course emphasizes the growth of democracy in America. The roles and contributions of the individuals who shaped our democracy will be emphasized. This course examines the many aspects of social, cultural, political, and economic development and change in the United States during the 18th and 19th centuries. *Students who fail American History II will automatically be rescheduled for it, unless the course is taken during summer school. These students will take American History II and World History concurrently.*

MATH

Students in the following courses will use a scientific calculator: Keystone Algebra I (335), Algebra I A and B (314/315), Algebra II (332/334), Introduction to Statistics (348), and Geometry (321/322). Students in the following courses will be expected to use a graphing calculator to graph and study functions: Trigonometry (340), Pre-Calculus (341), Advanced Placement Statistics (347), Calculus (353), and Advanced Placement Calculus (354). While TI-83 calculators will be available for student use during class, students are advised to purchase their own graphing calculators for personal use. TI 89 calculators are recommended in AP Calculus.

314 Algebra IA 1 credit ACADEMIC

Prerequisites: Pre-Algebra. Algebra IA is the first of two year-long courses in the Algebra I sequence, focusing primarily on mathematical problem solving using linear functions. Algebra IA is a year-long course that focuses primarily on linear functions.

Investigations will include an emphasis on the algebraic manipulation of linear expressions, equations, and inequalities; on systems of linear equations and linear patterns; and representing linear equations, including graphing and modeling with linear functions. Algebra IA will include a review of operations with rational and real numbers and focus on linear relationships based on data. Problem solving skills play a major role in the course, and students will learn how to apply data collected from real world situations. Completion of Algebra IA will prepare students for Algebra IB as well as the Pennsylvania Keystone Algebra I assessment.

315 Algebra IB 1 credit ACADEMIC

Prerequisites: Minimum "C" average in Algebra IA. If final average in Algebra IA is below a "C," then Algebra IA should be repeated in high school. Algebra IB is a year-long course that covers the Algebra I skills that were not discussed in Algebra IA. Investigations will include performing basic operations and factoring polynomials, representing linear equations in standard and point-slope forms, calculating and interpreting data, finding probability of compound events, solving compound and linear inequalities, simplifying and working with square roots, and finding the Greatest Common Factor and Least Common Multiple for sets of monomials. Problem solving skills play a major role in the course, and students will learn how to apply data collected from

real world situations. Algebra IB will include a review of skills learned in Algebra IA. Successful completion of Algebra IB will prepare students for the Pennsylvania Keystone Algebra I Exam. **Special notations: students who do not achieve proficiency on the Algebra I Keystone Exam will take Keystone Algebra I for additional remediation.**

321 Geometry (H) 1 credit HONORS
Prerequisites: Minimum "A" average in Algebra IB along with scoring Advanced on the Keystone Algebra Exam with recommendation of previous math teacher. This class should only be taken as a freshman if coupled with the Honors Algebra II. This doubling of math courses in 9th grade would put you on track to take Calculus as a junior so that you could take Advanced Calculus as a senior. <u>This is only recommended for the very best math students, and all prerequisites must be met</u>. Honors Geometry is a full-year course in mathematics which involves the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Major topics of plane and solid Euclidean geometry will be presented. Students will study inductive, deductive, and indirect reasoning, properties of parallel and perpendicular lines, basic characteristics and properties of polygons and circles, surface area and volume of 3-D objects, and basic concepts of trigonometry. Honors Geometry develops an in-depth approach to mathematical proof, and in general provides a basis for the student to develop clear and organized patterns of thought in everyday life. Students will be expected to use algebraic skills to solve geometric problems. Material will often be covered in greater depth and at a faster pace than non-honors geometry. This class cannot be taken after the student has taken non-honors geometry, and is designed especially for those students who have an interest in mathematics and a desire to pursue advanced study in mathematics or science at the high school or college level.

332 Algebra II 1 credit ACADEMIC
Prerequisites: Successful completion of Algebra I. Algebra II is a continuation of Algebra I. Students will study the graphing and solving of linear equations and equations of higher degree, as well as absolute value functions and inequalities, using graphics calculators.

334 Algebra II (H) 1 credit HONORS
Prerequisites: At least Proficient on the Keystone Algebra Exam with at least a B average in Algebra IB or Advanced on the Keystone Algebra Exam with at least a B in Algebra IB. Honors Algebra II is also a continuation of Algebra I. Students will study the graphing and solving of linear equations and equations of higher degree, as well as absolute value functions and inequalities, and radical and rational functions. Real world applications involving data analysis, logarithms, and matrices will be included. Students will use graphing calculators. Material will often be covered in greater depth and at a faster pace than non-honors Algebra II.

335 Keystone Algebra I .50 credit STANDARD
Prerequisites: This semester course is for students who have not scored Proficient or Advanced on the Keystone Algebra I Exam. Algebra I concepts will be reinforced and test taking skills will be reviewed. This class is only scheduled by your HS Counselor for you.

SCIENCE

411a Concepts in Science 1 (College Prep) .50 credit ACADEMIC
This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of

physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. Students enrolled in Biology (Advanced/Honors Science Pathway) as freshmen do not need to take this course.

411b Concepts in Science 2 (College Prep) .50 credit ACADEMIC
This course will explore the fundamental principles of life science, with a primary focus on ecology. Students will explore environmental literacy & sustainability, technology, engineering practices, ecology, and environmental science, helping them understand the interconnectedness of life on Earth and laying the groundwork for further scientific study. Concepts in Science 2 will be taken by students in the Core Science Pathway and Advanced/Honors Science Pathway.

412a Concepts in Science 1 (Academic) .50 credit ACADEMIC
This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. This course will be taken by students in the Core Science Pathway.

412b Concepts in Science 2 (Academic) .50 credit ACADEMIC
This course will explore the fundamental principles of life science, with a primary focus on ecology. Students will explore environmental literacy & sustainability, technology, engineering practices, ecology, and environmental science, helping them understand the interconnectedness of life on Earth and laying the groundwork for further scientific study. 412b will be taken by students in the Core Science Pathway.

421 Biology (H) 1 credit HONORS
Prerequisites: Grade 10 and accelerated 9th graders; successful completion of Concepts in Science (411) or teacher recommendation. Biology will meet six times a week. This course is designed for students desiring preparation for college biology and also fulfills a lab course requirement for college admittance. The intensity, speed of assimilation of material, additional material via labs, and outside assignments make this course quite challenging. This course can be used as a prerequisite for Genetics, Chemistry (431) and Human Physiology. **Students who are enrolled in this course as a freshmen will follow the Advanced/Honors Science Pathway. Concepts in Science 2 (411b) must be taken in conjunction with Bio Honors. Please refer to the Required Sequence of Science Courses at the end of this packet.**

458 Introduction to Laboratory Science .25 credit STANDARD
Prerequisites: All freshmen are required to take this course in conjunction with either Concepts in Science or Biology (H). This is an introductory laboratory skills course open only to freshmen. The course will include substantial experimental and/or observational activities including: inquiry activities which emphasize reasoning skills; collection, organization, presentation, and analysis of data; and common laboratory calculations. Students will further develop and maintain such skills as: proper implementation of laboratory safety and handling of equipment & chemicals; accuracy and precision in measurement; and the use of necessary technological tools. The duration of this required course is one marking period and it is taken opposite of Physical Education 015 (0.25 credits)

BUSINESS

612 Exploring Microsoft Office .50 credit ACADEMIC
Prerequisites: Grades 9 to 12. This one - semester course is designed to introduce students to word processing, spreadsheet, and presentation applications using Microsoft Office. Following an initial review,

students will develop skills in Microsoft Word, Excel, and PowerPoint. Students will use critical thinking skills to complete a wide variety of tasks that integrate the applications.

625 Personal Finance .50 credit ACADEMIC

Prerequisites: Grades 9 -12. This one-semester course is mandatory for graduation beginning with the 2025-2026 school year. Students will learn finance principles involving personal money management in computing earnings, calculating federal and state income taxes; using savings, checking, and other banking services; buying at discounts; using charge accounts; purchasing on an installment plan; and using comparison shopping methods. Additionally, this course will also provide students with a background in finance principles involving sales, home and car ownership, property and car insurance, life, health, and disability insurance, and investments.

640 Accounting I 1 credit ACADEMIC

Prerequisites: Grades 9 to 12. In Accounting I, students will learn the fundamentals of recording and interpreting basic financial business records based upon accepted accounting principles. The complete accounting cycle is learned, and students will use current forms for recording business transactions and preparing financial statements.

653 Introduction to Business .50 credit ACADEMIC

Prerequisites: Grades 9 to 12. This one - semester course will provide comprehensive introductory instruction in business concepts and skills students need in today's competitive environment. Extensive coverage in major business concepts such as finance, marketing, operations, and management will be covered. Students will gain valuable information and skills for the workplace, as well as preparation for success in competitive events. This is a foundation course for the following career pathways: business, management and administration, finance or marketing, sales, and service.

675 Consumer Career Exploration .50 credit ACADEMIC

Prerequisites: Grades 9 and 10. This one - semester course is designed to provide students with information on the various aspects of a career so that they are able to make a smooth transition from school to work. Throughout this course, students will complete self-assessments to analyze their interests and skills and will use the computer/online research to explore careers and college programs to select a career path. They will also get the chance to learn how to be a successful entrepreneur, fill out a job application, and prepare a resume and cover letter. Finally, the course ends with instruction on calculating gross pay, taxes, and net pay. This highlights the important connection between career planning and financial planning.

PUBLICATIONS

930 Motion Design .50 credit ACADEMIC

Prerequisites: Grades 9 to 12; students must have previous computer experience AND recommendation from his/her school counselor. Interested Seniors and Juniors get preferred. This course explores the design and creation of keyframe animation using industry standard computer programs. Students will create visual compositions that change over time, with an emphasis on using video, graphics and typography. Topics include motion animation basics, copyright laws, green screen, motion tracking, background replacement, 3D motion, etc. Projects will use After Effects to create motion graphics and Photoshop to create GIFs. Experience with Adobe Photoshop, Illustrator and Premiere Pro or similar programs is recommended. A majority of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction

940 Video Production Fundamentals .50 credit ACADEMIC

Prerequisites: Grades 9 to 12; students must have previous computer experience AND recommendation from his/her school counselor. Interested Seniors and Juniors get preferred. This course explores the basics of video

production through basic video production theory and single camera competencies in preparation for participation in the high school publications program. Topics include multimedia law, safety, physics of light and sound, single camera video and audio production, basic script-writing, lighting, and video editing in Premiere Pro. Throughout the semester students will create a public service announcement, commercial, news package, etc. High-quality projects may be featured in TIDETV's programming. After school and weekend time is required. Some of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

948 Communication Design .50 credit ACADEMIC

Prerequisites: grades 9 to 12; students must have previous computer experience. This course explores the world of desktop publishing utilizing Adobe InDesign and other programs, such as Adobe Photoshop. Students will learn the basic techniques of desktop publishing and will produce projects demonstrating these skills, including business cards, advertisements, and brochures. Topics include visual design principles, typography, and color theory. High-quality projects may be featured in district publications. Some after-school time may be required. Some of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

HUMANITIES

168 Drama I .50 credit ACADEMIC

Grades 9-12. Must have a 'C' average GPA. All students ARE REQUIRED to perform once before an outside audience (winter revue). This course counts towards a Humanity – <u>not an English credit.</u> This fall semester elective course is designed for those who desire to learn about and become involved in the theatre. This class begins with lessons on improvisation, pantomime and mime, voice and movement, memorization, and acting. Students will also study short plays and excerpts of dramatic literature. This is a highly interactive course in which the students will be evaluated on written work, journals, objective tests, project design, individual and group performances. Participation is 100 points per quarter. Students will regularly present in front of their classmates, and the **FINAL EXAM is that THEY ARE REQUIRED TO PERFORM IN A PLAY BEFORE AN OUTSIDE AUDIENCE**. Some after school rehearsal time will also be required. **(Note: This course may be taken only once.)**

FOREIGN LANGUAGES

511 French I 1 credit ACADEMIC

Prerequisites: Grades 9 to 11. This course is an introduction to the French language and culture in which the student learns to understand and speak French within carefully controlled limits. Basic reading and writing skills are introduced along with intensive listening and speaking and practice. The range of vocabulary includes words associated with the classroom, home, family, and other familiar situations. Recordings of native speakers are regularly used to strengthen listening skills.

Cultural elements are explained as encountered in the text and specific units of culture are studied in greater depth, enabling the student to relate the language to the people.

521 German I 1 credit ACADEMIC

Prerequisites: Grades 9 to 11. German I is a basic introductory course to the German language and culture. The emphasis is on language usage. Thus the priority of the four basic skills is: listening, speaking, reading, and writing. Appropriate grammatical instruction is given only after the student has been exposed to the grammatical structures within real language situations. Although cultural elements are not studied in-depth, they are explained as encountered, in order to develop a general appreciation of the German people and their customs.

541 Spanish I 1 credit ACADEMIC

Prerequisites: Grades 9 to 11. Spanish I is an introduction to the language with emphasis on listening, comprehension, speaking, reading, writing and culture. Students learn grammatical and speech patterns through written and oral drills. The course content includes the teaching of the fundamentals of grammar, abstract concepts and function of the language as to build a strong, basic language foundation.

ART

702 Introduction to Art .50 credit ACADEMIC

Prerequisites: none. Introduction to Art is a foundation art course that must be taken before any of the other art courses. This comprehensive art course will cover a wide range of art concepts including the elements and principles of art, drawing techniques, and color theory. This course places special emphasis on helping students of all ability levels to improve upon their drawing skills. Students will participate in a wide variety of drawing exercises in order to practice different approaches and techniques for drawing. Students will use these skills along with creative problem- solving strategies to create original works of art using various art media. In addition to projects, each student will be required to keep a visual journal or sketch book. **This course is designed for students of all skill levels and can be taken by anyone regardless of his or her art ability.**

MUSIC

721 Concert Choir 1 credit ACADEMIC

Prerequisites: Grades 9 to 12. The primary purpose is to give the participants an opportunity to learn and perform a variety of good choral music. Only students who enjoy singing should elect this course. Chorale and other smaller ensembles are selected from this group. Special notations: **The Concert Choir members are required to participate in public performances in December and May.**

720 Introduction to Music .50 credit STANDARD

Prerequisites: Grades 9 to 12. The student will be introduced to basic fundamentals of music, including production of musical sound and interpretation of music. This course focuses on music history from the 20th & 21st Century.

750 9th Marching Band .50 credit ACADEMIC

Prerequisites: Grades 9 to 12. The Marching Band begins rehearsal the first week of August and continues through late November. The Band performs at all home and away PAHS football games, local parades, a Band show, and various community functions. **Membership in the Marching Band is by consultation and audition with the Director. Students scheduled for 9th Marching Band must also schedule 9th Concert Band.**

754 9th Concert Band .50 credit ACADEMIC

Prerequisites: Grades 9 to 12; consultation and audition with the Director is required. The Concert Band rehearses ninth period after football season and presents public performances at Christmas time and the annual Spring Concert.

The Concert Band rehearses and performs fine Concert Band literature. **Students must participate in 9th Marching Band or 9th Band Front/Band in order to participate in 9th Concert Band.**

921 9th Band Front .30 credit STANDARD

Prerequisites: Grades 9 to 12; students must audition with the Director and Band Front Advisor. The Band Front consists of the Flag Squad, Majorettes, and the Color Guard. Membership is gained through winter tryouts in eighth, ninth, tenth, and eleventh grades. The Band Front practices every day ninth period during football season as part of the PAHS Marching Band.

925 9th Band Front/Concert Band .50 credit ACADEMIC

Prerequisites: Grades 9 to 12. Students will participate in Band Front and must play a musical instrument. During football season, member will attend band sectionals. At the conclusion of football season, students will

rehearse ninth period with the Concert Band and will satisfy all Concert Band obligations. Band Director *prior approval required*.

SCHUYLKILL TECHNOLOGY CENTER

**The Schuylkill Technology Center is for 10th, 11th and 12th grade students ONLY

Schuylkill Technology CenterPrograms of Study (POS)

The Schuylkill Technology Center is an elective option of high school course selection designed to provide the basic technical skills to assist all students to prepare for a career in tomorrow's high tech workforce and enable students to get a "head start" on post-secondary career. Programs offer basic entry-level skills with "hands-on" training on computerized and technical equipment. Students must have completed the ninth grade to enroll in the Technology Center. All Schuylkill Technology Center Programs of Studies have articulation agreements to various post-secondary/ higher education institutes, thus providing for advanced placement and advanced skill opportunities. Schuylkill Technology Center encourage all students to make academic and career decisions on the basis of their individual abilities, interests and values. More information regarding program of studies and articulation agreements can be obtained from Schuylkill Technology Center- Guidance Department at 570-544-4748 and 570-874-1034 or on the web at www.stcenters.org .

Schuylkill Technology Center/ Program of Study (POS)

The Carl D. Perkins Career and Technical Education Improvement Act of 2006 requires the development and implementation of career and technical programs of study (POS). Programs of Study incorporate secondary education and postsecondary education elements; include coherent and rigorous content aligned with challenging academic standards and relevant career and technical content in a coordinated, non-duplicative progression of courses that align secondary education with postsecondary education to adequately prepare students to succeed in postsecondary education; may include the opportunity for secondary education students to participate in dual or concurrent enrollment programs or other ways to acquire postsecondary education credits and lead to an industry-recognized credential or certificate at the postsecondary level or an associate or baccalaureate degree.

Programs of Study Consist of:

- ✓ High Priority Occupation (HPO) from PA Department of Labor and Industry
- ✓ Align POS selection from PA approved CIPs
- ✓ Scope and Sequences of Courses
- ✓ Integration of Academics Standards
- ✓ Recognized PA Industry Certifications aligned to CIPs
- ✓ Statewide articulations for POS students to postsecondary institutions that continue career pathways
- ✓ Assessments for end of program at secondary and postsecondary (e.g. NOCTI)

Schuylkill Technology Center's Career Clusters and Program of Study

Architecture and Construction

- Carpentry Technology
- HVAC
- Masonry Technology
- Plumbing & Heating Technology
- Residential/Industrial Electricity

Health Science

- Health Careers

Hospitality & Tourism

- Culinary Arts

Human Services

- Cosmetology
- Early Child Care & Education

Information Technology

- Computer Information Systems

Law, Public Safety, & Security

- Criminal Justice

Manufacturing

- Electromechanical
- Precision Machining Technology
- Welding Technology

Marketing Sales & Service

- Business Management

Transportation, Distribution & Logistics

- Automotive Technology
- Collision Repair & Custom Refinishing
- Diesel Technology
- Outdoor Power Technology
- Supply Chain & Warehouse

Senior Only Programs

- Diversified Occupations
- Emerging Health Professional

Schuylkill Technology Center'sCareer Clusters and Program of Study Descriptions

Architecture and Construction

Carpentry Technology

An instructional program that prepares individuals to apply technical knowledge and skills to lay-out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

HVAC Technology

The Heating/Air Conditioning and Refrigeration (HVACR) program at Schuylkill Technology Center is designed to prepare students for entry level employment in the HVACR field. Students will develop skills necessary to perform routine maintenance, service HVACR equipment, install HVACR equipment, and troubleshoot HVACR systems.

Masonry Technology

An instructional program that prepares individuals to apply technical knowledge and skills in the laying and/or setting of brick, concrete block, glass block, hard tile, marble and related materials using trowels, levels, hammers, chisels and other hand tools.

Plumbing & Heating Technology

A program that prepares individuals to practice as licensed plumbers by applying technical knowledge, safety and skills to lay out, assemble, install and maintain plumbing fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems in home and business environments. Includes instruction in source determination, water distribution, waste removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, brazing and soldering, plumbing inspection and applicable codes and standards.

Residential/Industrial Electricity

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

Health Science

Health Careers

A cluster program with a combination of subject matter and experiences designed to prepare individuals for entry-level employment in a minimum of three related health occupations under the supervision of a licensed health care

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

Hospitality & Tourism

Culinary Arts

An instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

Human Services

Cosmetology

An instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

Early Child Care and Education

An instructional program that prepares individuals for a variety of occupations in child care and guidance often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to child care services.

Information Technology

Computer Information Systems

An instructional program that prepares individuals to apply technical knowledge and skills to support the design and development of software applications. This program is designed to provide the capacity to prepare and interpret process and data models, develop and structure software components and to validate the functionality, usability and reliability of those components. Validation skills include testing and debugging. System, component and user documentation is to be performed throughout the process. This program will provide students with the ability to integrate new and existing components. Students will receive instruction in at least two programming languages including at least one procedure-oriented language and one object and visually-oriented language. This course provides a thorough practical knowledge of the concepts, theories, logic and critical thinking skills required when building software applications. Students completing the program will possess a basic technical foundation needed to pursue postsecondary degrees leading to a career as a software developer, analyst project leader or in the management of information technologies. Students may prefer to immediately enter the labor market in an entry-level position as developer or analyst.

Law, Public Safety & Security

Criminal Justice

An instructional program that prepares individuals for entering post-secondary educational coursework in the field of criminal justice. Individuals completing this program have the knowledge and skills to advance themselves in the various disciplines of criminal justice, including policing, corrections, probation and parole, security, communications, and crime scene management. They also have a requisite understanding of the use of force and health issues.

Manufacturing

Electromechanical

An instructional program that prepares individuals to apply basic engineering principles and technical skills in both the mechanical and electrical fields. Instruction is planned to provide preparation in the design, development and testing of electromechanical devices and systems such as automatic control systems, servomechanisms, vending machines, elevator controls, missile controls, tape-control machines and auxiliary computer equipment. Instruction also includes feasibility testing of engineering concepts, systems analysis including designs, selection and testing and application of engineering data and the preparation of written reports and test results in support of mechanical and electrical engineers.

Precision Machining Technology

An instructional program that prepares individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer controlled machines.

Welding Technology

An instructional program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

Marketing Sales & Service

Business Management

An instructional program that provides instruction in the fields of sales, distribution and marketing operations and focuses on the process and techniques of direct wholesale and retail buying and selling operations. This program is concerned with marketing, sales, distribution, merchandising and management including ownership and management of enterprises engaged in marketing. Marketing education programs prepare individuals to perform one or more marketing function such as selling, pricing, promotion, product/service management, distribution, financing and marketing information management. In addition, instructional programs include varying emphasis on technical knowledge of products and/or services marketed; related communication, economic, technological and computation skills; and abilities and attitudes associated with human relations. The program may also include management functions associated with owning and operating a business. Sales, distribution and marketing operations prepares individuals for occupations in such businesses as retail and wholesale trade, finance, insurance, real estate, entertainment, hospitality, food service, communications, storage and distribution.

Transportation, Distribution & Logistics

Automotive Technology

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

Collision Repair & Custom Refinishing

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas;

replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

Diesel Technology

This is an instructional program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. The program includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary equipment installation and repair.

Small Engine Technology

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

Supply Chain & Warehouse

A program that prepares individuals to manage and coordinate logistical functions in an enterprise ranging from acquisitions to receiving and handling, through the internal allocation of resources to operations units, to the handling and delivery of output. Includes instruction in acquisitions and purchasing, inventory control storage and handling, just-in-time manufacturing, logistics planning, shipping and delivery management, transportation, quality control, resource estimation, and allocation and budgeting.

Senior Only Programs

Diversified Occupations

Students currently attending Schuylkill County school districts have the option to participate in a “Diversified Occupations” program offered through the supervision of the Schuylkill Technology Center. The Diversified Occupations (D.O.) one year program prepares students to develop marketable workforce skills through related theory assignments and job training connected with actual employment opportunities. A secondary student may apply for admission to the D.O. program under the following conditions: (1) STC does not offer a related occupational training program, or (2) STC program enrollments are to capacity. Specific student eligibility requirements include the following:

- Parent/guardian approval
- Full endorsement from sending district administration / staff
- An approved job site (with worker’s compensation insurance)
- Transportation (to and from the job site)
- Valid PA driver’s license and insurance
- Appropriate work dress
- Required Personal Protective Equipment (PPE)
- Necessary tools and/or equipment
- STC/Employer Training Agreement

The Diversified Occupations program is supervised by the STC Cooperative Education Coordinator, who will also administer one required 45 minute related theory class per week, which will include related workforce topics such as resume development, work ethics, and workplace safety. The employer and D. O. Coordinator will produce a “Training Plan” outlining the student’s job related tasks and responsibilities connected to current industry standards and OSHA safety regulations. Student evaluation will be determined by related theory assignments, and employer evaluations from the job site

Emerging Health Professionals

The Emerging Health Professional is a partnership between Penn State Schuylkill, Pennsylvania College of Technology, the Lehigh Valley Health Network, and other medical facilities. The Emerging Health Professional dual-enrollment program combines skills—based, interactive and university level classroom learning with shadowing in the health care setting. The program is designed to prepare students for post-secondary education by offering a college science course. Students spend two half-days a week with Penn State faculty and will spend two half-days a week participating in activities at Lehigh Valley Health Network. Students spend one half day a week participating in health curriculum taught by the STC instructor at the STC North Campus.

Academic Courses

American Studies I- 1cr

American Studies is a course that focuses on the history of the United States from 1492 to 1877 (Exploration through Reconstruction). Through readings, literature excerpts, political cartoons, simulations, technology projects and more, students will gain insight into the nation's past by examining period accounts and first person voices. Students will use varied resources to examine the links and make connections between events being studied in the textbook/learning guides and events that are taking place today. The major focus is the state history standards: content, chronology, analysis, and interpretation. Related concepts found in the state civics, economics, and geography standards are a supporting focus.

American Studies II- 1cr

American Studies is a course that focuses on the history of the United States from 1900 to present (Progressive Era through Modern Day America). Through readings, literature excerpts, political cartoons, simulations, technology projects and more, students will gain insight into the nation's past by examining period accounts and first person voices. Students will use varied resources to examine the links and make connections between events being studied in the textbook/learning guides and events that are taking place today. The major focus is the state history standards: content, chronology, analysis, and interpretation. Related concepts found in the state civics, economics, and geography standards are a supporting focus.

World Studies - 1cr

World Studies is a course focusing on the diverse ways of life found around the world. Through study of the pertinent issues to the major regions of the world, students will recognize and evaluate the relationships between people, places, regions, and environments. Students will further explore how physical environments affect human events and build a global perspective that allows them to understand the connections between global and national issues. The major focus is the state's geography standards: maps, environments, places, and regions. Related concepts found in the state civics, economics, and history standards are a supporting focus.

Civics/Economics - 1cr

Civics/Economics is a course that is comprised of two disciplines. Economics is a course that teaches students how to make reasoned economic choices and provide ways they can effectively participate in an increasingly competitive and interdependent global economy. Students will assess the impact of market influences and governmental actions on our economy through the use of real world economic applications and analyze how different economic systems interact. In Civics, students will learn about the basic freedoms traditionally enjoyed by American citizens and about the qualities of a good citizen. Students will explore issues about U.S. citizenship and their rights and responsibilities and roles in their communities by putting them in decision-making simulations and assessments that will enable them to acquire the skills necessary to participate in our democratic processes. The major focus of the course is state civics (government, politics, participation, citizenship) and economics (microeconomics, macroeconomics, economic systems, and international trade) standards. Related concepts found in the state geography and history standards are a supporting focus.

School-to-Work Opportunity

Cooperative education is a structured program integrating classroom activities (emphasis placed on employability skills) with work experiences in a field related to a student's program of study. Cooperative education is a partnership among students, educational institutions and employers, with specified responsibilities for each party.

Who is eligible to participate: Students (third year, Level III) who have completed 75% of the program, which already have a job or a good prospect for a job defined by the student's career objective.

What are the requirements: Students must be recommended by their course instructor and have a completed résumé. Attendance, grades, attitude, and behavior are considered in the decision-making process.

• Work permit (if under 18 years of age) All school debts must be satisfied

- Approved student transportation
- Proof of auto insurance
- Senior Portfolio obligation

Valid PA driver's license
Up-to-date task listing

Revised 1/9/25

Required Sequence for Science			
Advanced/Honors Science Pathway – Students who took Bio (H) as a freshman will follow this pathway.			
9th	10th	11th	12th
Biology 421 (H) And Concepts in Science 2 411b And Intro to Lab Science 458	Chemistry 431 (H) Or Adv Chemistry 435 (H) And Science Electives	Physics 439 (H) And Science Electives	Science Electives

Suggested Electives for Advanced/Honors Pathway:
Human Physiology 453 (H) – Students interested in the medical field.
Genetics 424 (H) – Students interested in a career in the medical field.
Advanced Chemistry 435 (H) – Students interested in a career as a pharmacist or plan to major in science in college.
AP Chemistry 436 (H) – Students interested in a career as a pharmacist or plan to major in science in college.
AP Biology 426 (H) – Students interested in a career in the medical field.
AP Physics 460 (H) – Students interested in an engineering career.
Emergency Medical Technician 051 (H) – Students interested in a career as an EMT, paramedic or the medical field.

College Prep & Academic Science Pathway – Students who take Concepts in Science 411 or 412 as a freshman will follow this path.

9th	10th	11th	12th
Concepts in Science 1 and 2 411a/ 411b 0r Concepts in Science 1 and 2 412a / 412 b Or Concepts in Science 1 and 2 412ia / 412ib And Intro to Lab Science	Biology 421 (H), 422 or 423 And Science Electives	Chemistry 431 (H), 432, or Physical Science 442 And Science Electives	Science Electives

Suggested Electives for Core Pathway:
Physical Science 442 – Students interested in learning basic physics concepts.
Astronomy 451 – Students who enjoy the night sky.
Astronomy II 452 – Students who enjoy the night sky and photography.
Freshwater Biology 429 – Students who enjoy nature.
Weather 454 – Students interested in meteorology.
Environmental Science 455 – Students who are concerned about their environment.
Emergency Medical Technician 051 (H) – Students interested in a career as an EMT, paramedic or the medical field.

Required Sequence of English Courses

Advanced/Honors English Pathway – Students who take English 10 as a freshman follow this path.

9th	10th	11th	12th

421 English 10	149 English Lit (H) Or 148 Amer Literature And 157 College English Concepts	160 AP Lang & Comp And English Electives	155 AP Lit & Comp And English Electives

Suggested Electives for Advanced/Honors Pathway:

143 Speech (H)
158 Writing Research Paper (H) (12 only)
167 Studies in Shakespeare (H)
137 Dramatic Literature (H)
157 College English Concepts
161 Detective Fiction
162 Modern Literature & Short Stories
133 Myth & Legends
168 Drama 1
169 Drama II

English Pathway for College Prep & Business Programs of Study– Students who take English 9 111 as a freshman will follow this path.

9th	10th	11th	12th
111 English 9	121 English 10 0r 122 English 10	157 College English Concepts And 149 English Lit (H) Or 148 American Lit	Two ½ credit English Elective Courses

Suggested Electives for College Prep & Business Core Pathway:

143 Speech (H)
158 Writing Research Paper (H) (12 only)
167 Studies in Shakespeare (H)
137 Dramatic Literature (H)
157 College English Concepts
161 Detective Fiction
162 Modern Literature & Short Stories
133 Myth & Legends
168 Drama 1
169 Drama 1

English Pathway for Academic Programs of Study - Students who take English 9 112 or 112I as a freshman will follow this path.

9th		11th	12th
112 English 9 Or 112i English 9	122 English 10 Or 122i English 10	148 American Literature Or 148I American Literature	Two ½ credit English Elective Courses

Suggested Electives for Core Pathway:

161 Detective Fiction
162 Modern Literature & Short Stories
133 Myth & Legends
168 Drama 1
169 Drama II

SUGGESTED SEQUENCE OF MATH COURSES

In addition to the courses listed below, students are encouraged to schedule Math electives.

Accelerated Students - These courses are recommended for the College Prep and Academic programs of study.

7th	8th	9th	10th	11th	12th
Pre-Algebra	Algebra IB	Algebra II (H) **OR** Algebra II	Geometry (H) **OR** Geometry	Trig (H) /Pre Calc (H) **AND** Adv Algebra (H) College Math Concepts Computer Programming I & II (H)	AP Calc (H) or Calc (H) **AND** Fund of Math, Intro Trig AP Stats (H), Adv Alg (H) Intro Stats College Math Concepts Comp Prog I & II (H) **OR** AP Computer Science (H)

Required Sequence of Social Studies Courses			
Advanced/Honors Social Studies Pathway			
9th	10th	11th	12th
211 American History II	221 World History Or 252 AP World History (H)	230 American Hist III (H) Or 251 AP U.S. History (H) Or 252 AP World History (H) taken with 251 AP U.S. History(H) or 230 American Hist III (H)	253 AP Government (H) And 241 Economics Or 251 AP U.S. History (H) And 235 Amer Govt And 241 Econ Or 235 Amer Govt And 241 Econ *AP World can be taken Senior Year as an elective
College Prep & Business College Prep Social Studies Pathway			
9th	10th	11th	12th
211 American Hist II	221 World History	230 American Hist III (H) Or 231 American History 3	235 American Government And 241 Economics
Academic Social Studies Pathway			
9th	10th	11th	12th
212 or 212i Ameri History II	222 or 222i World Studies	231 or 231i American History III	236 American Government And 242 Concepts of Economics
Suggested Social Studies Electives: Intro to Sociology (11 & 12) Intro to Criminal Justice (11 & 12) Psychology (12) Yes (12)			