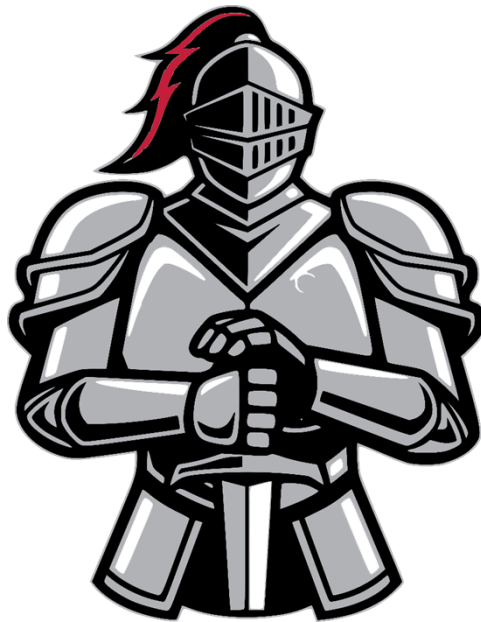


Franklin Area Sr. High School



Program of Education & Course Selection Guide

2024-2025

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Educational Plan

Wise educational planning requires knowledge about high school subjects and courses of study. Parents, teachers, guidance counselors, and school administrators can help you most with this information.

In selecting your program of studies, bear in mind the significance of the decision you make. This decision may be one of the most important of your entire lifetime. By using every available means of making the right selection, you may avoid difficulties and disappointments later. A few very important factors you should consider when selecting your program and the following:

- Your previous school record (grades, interests, etc.)
- Your inherent ability (shown by tests and school records)
- Your plans for the future (preparation for opportunity)

Because students need to see a logical order in planning their high school program, we ask that they outline a tentative four-year plan when they enter the ninth grade. This plan should be reviewed each year to see if any changes are advisable. It is best for each student to follow the strongest possible program of study he/she can, according to his/her interest, aptitudes and abilities.

Requirements for Graduation

A minimum of 24 ½ units of educational credits are required for graduation from Franklin High School (23 ½ for students enrolled at the Venango Technology Center, VTC). These credits must be earned in grades 9 through 12. English, social studies, mathematics and physical education are required each year. Students must also take Science 9 and Biology OR Honors Biology and BOTH Honors Chemistry and Honors Physics. Health is required in 9th grade; whereas, the book version of driver's education is required in 10th grade. Students are also required to take a personal finance or consumer math course. A satisfactory exit interview (graduation project) must also be completed during their senior year.

All students must earn the following units of credit in grades 9 through 12:

Subject	# of Credits Required for FHS Students	# of Credits Required for VTC Students
English	4	4
Mathematics	4	3
Social Studies	4	3
Science	3	2
Electives	5.25	8.25 (VTC)
Health	.5	.5
Physical Education	1.75	1.75
Arts/Humanities	2	1
Total	24.5	23.5

Graduation Project (Exit Interview)

In order to graduate, students shall also complete a graduation project which is now in the form of an exit interview. This project is integrated with each students' English and Social Studies classes in which they complete the required paperwork. Students then participate in an in-person exit interview with high school faculty on the March Act 80 Day. This must be satisfactorily completed in order for a student to earn his or her diploma. NOTE: Special Education students are required to complete Individual Educational Program (IEP) goals and objectives to qualify for graduation.

Pennsylvania State Graduation Pathways

Act 158 of 2018 (Act 158) was signed into law by Governor Wolfe on October 24, 2018. The legislation changes language about high school graduation requirements, and how Keystone Exams factor into such requirements for graduating classes of 2023 and beyond.

The state of Pennsylvania has identified 5 different Graduation Pathways in which students can meet the graduation requirements set forth in Act 158.

Keystone Proficiency Pathway

Proficient or Advanced in all 3 Keystone Exams (Algebra I, Biology, Literature)

Keystone Composite Pathway

- At least 1 Keystone score is **Proficient or Advanced**
- No score is **Below Basic**
- Composite (total) Keystone Score is **4452 or Greater**

CTE Concentrator Pathway - Career & Technical Education – VTC

*Must successfully complete two years of the same program while enrolled at VTC.

*Must meet local grade-based requirements for Keystone content in which student is less than Proficient (must pass Algebra I, Biology & English 10) AND earn one piece of evidence from the list below:

- o Industry-based competency certification
- o Likelihood of industry-based competency assessment success (pre-NOCTI)
- o Readiness for continued engagement in Career and Technical Education (CTE) Concentrator program of study (acceptance letter for Career or Trade school)

Alternative Assessment Pathway

*Meet local grade-based requirements for Keystone content in which student is less than proficient (must pass Algebra I, Biology & English 10) AND earn one piece of evidence from the list below:

- o Attainment of one alternative assessment score or better: ACT(21), ASVAB AFQT (31), PSAT/NMSQT (970), or SAT (1010)
- o Attainment of 3 or better on AP Exam(s) related to each Keystone content area in which less than Proficient.

- o Successful completion of concurrent course(s) related to EACH Keystone content area in which less than proficient (Dual enrollment/CHS classes)
- o Successful completion of a pre-apprenticeship program
- o Acceptance into 4yr institution of Higher Education for college-level coursework

Evidence Based Pathway

Meet local grade-based requirements for Keystone content in which student is less than Proficient (must pass Algebra I, Biology & English 10)

AND 3 Pieces of Evidence Total (ONE or more from the first list, no more than TWO from the second list)

List One

- Attainment of 3 or better on any AP Exam
- Successful completion of any concurrent or postsecondary course (dual enrollment/CHS)
- Industry-recognized credentialization
- Acceptance into an other-than-4yr Institution of Higher Education for college-level coursework (1-2 year program, community college, etc.)

List Two

- Attainment of Proficient or Advanced on any Keystone Exam
- Successful completion of a service-learning project
- Letter guaranteeing full-time employment or military enlistment
- Completion of an internship, externship, or cooperative education program
- Compliance with NCAA Division II academic requirements

For students with disabilities: A student with a disability who satisfactorily completes a special education program developed by an individualized education program team under the Individuals with Disabilities Education Act and 22 Pa. Code Ch. 14 (relating to special education services and programs) that does not otherwise meet the requirements of this section shall be granted and issued a regular high school diploma by the student's school entity.

Promotion - Determining Class Level

In high school, a student is not promoted by grades but rather by units of credit which are received from completing individual subjects successfully. In order to be assigned to a class a student must have received at least the minimum units of credits for the class, as indicated:

Sophomore	5 credits (must include English, Science, Mathematics, and Social Studies)
Junior	11 credits
Senior	17 credits

These are minimum standards to be used as guidelines to judge a student's progress in terms of earning credits. Students earning less than the minimum credits will not be assigned to the next grade level.

Course Add/Drop Policy

Students are mailed schedules in the summer and have the opportunity to change schedules at that time. They may also change their schedules once the school year begins based on interest and academic ability. The deadline to change elective courses is three weeks after the start of the course. The deadline to change core courses (English, Social Studies, Math and Science) is the end of the first nine weeks. Core course drops may require a conference with the student, parent, teacher, and counselor. Students will not be permitted to drop any class for any reason after these deadlines.

THINGS TO KEEP IN MIND

- Every student must carry a minimum of six classes per semester.
- Students will not be permitted to add or drop a year-long class after the deadline stated above.
- Once the school year begins, students will not be permitted to change their class to another class of the same content in order to get a different teacher.
- Students are not allowed more than two study halls in any term. Work release counts as a study hall.

- Work release may be added or dropped (in lieu of a study hall) based on the individual situation.
- Students with current IEP's will be handled on an individual basis.
- If a student transfers from one course to another, the grade will transfer from the dropped course to the added course.

COURSE SELECTIONS

Remember to give very serious consideration to your course selections. The selections you make are considered definite and are not subject to change.

SCHEDULING CONSIDERATION

Guidance counselors are available to answer your questions concerning selection of courses, recommended courses for different programs, college and university requirements, etc. Be sure to discuss your course selections with parents and counselors before a final decision is reached.

Franklin Area Jr./Sr. High School Guidance Counselors

Mrs. Linda Hagg	Grades 10 and 12
Mrs. Megan Hiles	Grades 9 and 11

Franklin Area Jr./Sr. High School Administration

Mr. Thomas Holoman	Principal (Grades 6-8)
Mr. KC Miller	Principal (Grades 9-12)

Prerequisites

Some courses require that students have had certain subjects, abilities, teacher recommendations, etc., before they can be considered for admission. These courses can be identified by a single asterisk (*) in the course listing. Be certain in making your educational plans that you pay attention to the prerequisites. You may have to plan a couple of years ahead in order to be accepted into a course that is not available to you at this time.

Grading System

The following is a list of percentage grades used for all students in grades 7-12 that will be found on the report card.

Percent (%) Scale	Progress (Letter Grade)
93%-100%	Excellent Progress (A)
85%-92%	Good Progress (B)
77%-84%	Average Progress (C)
65%-76%	Poor Progress (D)
0%-64%	Unsatisfactory Progress (F) no credit
Other Grading Marks	
O	Outstanding
S	Satisfactory
X	Unsatisfactory
I	Incomplete
W	Withdraw
M	Medical Excuse

The following index system will be used to weight general, academic and accelerated or advanced placement (AP) courses for those students in grades 9 through 12:

Courses	Weight
General Courses	1.00
Academic Courses	1.05
Honors Courses	1.10
CHS Courses (College in High School)	1.10
Advanced Placement (AP)	1.10

The system will be used to determine GPA and cumulative class rank. The grade that is reflected on the report card is the actual grade the student earns in the classroom, not the weighted grade.

Classes that are graded O-S-X are not counted towards GPA or Class Rank.

Class Rank

Class rank is determined by the quality points accumulated, divided by number of credits attempted (GPA). The averaging process begins in the 9th grade and is continuous throughout the 10th, 11th, and 12th grades and is computed at the end of each semester. The final class rank will be determined in the senior year. For the graduating classes of 2024, 2025, and 2026, one Valedictorian and one Salutatorian will be selected from each graduating class based upon cumulative GPA after completion of 15 quarters of work. Starting with the class of 2027, one Valedictorian and one Salutatorian will be selected from each graduating class based upon cumulative GPA after completion of 16 quarters of work (including the fourth marking/grading period of a student's senior year).

Graduating with Honors

Students with a 93% GPA or better will be designated to graduate with honors. To be eligible for these awards, a student must attend Franklin High School at least seven (7) quarters immediately prior to graduation. This award is determined in conjunction with the final class rank.

Honor Roll

The following criteria shall be used for the Honor Roll at Franklin Jr./Sr. High School:

Principal's List

Students must have 93 percent and above in every grade on the current nine-weeks' report card, with no grade lower than "O" in O-S-X graded classes.

Achievement List

Students must have 85 percent and above in every grade on the current nine-weeks' report card, with no grade lower than "S" in O-S-X graded classes.

Powerschool Parent Portal

The Powerschool Parent Portal allows parents to access their child's current grades and attendance. They will also be able to view historical grades and attendance, look at specific assignments and the grade earned, email teachers, and sign up for automatic email notifications on their student's progress. This should prove to be a great tool to help parents keep up to date on their child's progress in school. Parents will need a Username and Password to access the PowerSchool Parent Portal. Parents can register with the principal's secretary in the Main Office. The parent portal can be accessed through the school district's website.

Post-Secondary Education

There are a variety of options available to students. The Guidance Office utilizes career software that provides up-to-date career and post secondary information. Materials and resources are made available to students regarding financial aid and available scholarships.. Students should be working with their parents, guidance counselor, and teachers throughout high school to plan for their careers after graduation.

Withdrawals or Moving

If a student moves to another school district or decides to withdraw from school, he or she must come to the Guidance Office to obtain a withdrawal form. This form is to be signed by his or her teachers after all books, etc., have been returned. Failure to do so may prevent the school from forwarding a transcript to the next school or future employer.

In-Person Course Offerings

All elective courses and Honors/AP courses will be offered contingent upon enrollment and staff availability.

Online Course Offerings

Franklin Sr. High School offers online courses through the Franklin First Learning Academy (FFLA). Students interested in full-time online education should visit the school's website for more information. In certain situations, students may choose an online elective course not offered in-person by FHS. Interested students should see their school counselor for more information.

Course Listings & Descriptions

The following courses may be offered, depending upon enrollment and staff availability:

ART

Course Title	Credit	Grade Level(s)	Course Length
Arts and Crafts I	1.00	9, 10	Year
Elective. In this course, students will experience a variety of media via ceramics, printmaking, metalsmithing, mixed media, mosaics, and weaving. Emphasis will be given to art forms that embody a symbiosis of functional and aesthetic design. Students will work to strengthen foundational techniques in each medium and will participate in class critiques, lessons in color theory, pancultural art influences, art history, and projects utilizing the elements and principles of design.			
Arts and Crafts II	1.00	10, 11, 12	Year
Elective. In this course, students will advance their studies by using a variety of media from Arts & Crafts I through a more indepth exploration of craft media utilizing the elements and principles of design. This will include work in bookbinding, batik, ceramics, mixed media, printmaking, metalsmithing, stained glass, and weaving. Students will work to strengthen techniques, participate in class critiques, lessons in color theory, pancultural art influences, and art history.			
Advanced Art I	1.00	9, 10	Year
Elective. <i>Beginner Level</i> In this course, students are introduced to the elements and principles of art. Students will develop artistic works in drawing, painting, sculpture, and mixed media. Students will refine, analyze, create, present, and interpret artistic works. Students are required to maintain a working sketchbook/portfolio website in addition to their classwork.			
Advanced Art II	1.00	10, 11	Year
Elective. <i>Intermediate Level</i> . Students in this course will dedicate their time to further understand art media with a focus on Western Art History, careers in art, painting, sculpting, drawing, and mixed media projects. Students are expected to think critically, practice artistic behaviors, reflect on artistic processes, and build a body of work that demonstrates growth in the program. Students are required to maintain a working sketchbook/portfolio website in addition to their class work. <i>Prerequisite Advanced Art I</i>			
Advanced Art III	1.00	11, 12	Year
Elective <i>Advanced Level</i> . Students in this course will utilize their time to master art media with a focus on Western Art History, careers in art, painting, sculpting, drawing, and mixed media projects. They will also			

synthesize knowledge of social, cultural, historical, and personal life with art-making approaches to create meaningful works of art using fine craftsmanship. Students are required to maintain a working sketchbook/portfolio website in addition to the classwork. . *Prerequisite Advanced Art I & II.*

Advanced Art IV

1.00

12

Year

Students in this course will dedicate their time to explore materials and techniques in art beyond Advanced Art III. Students are required to plan and complete their projects to meet quarterly deadlines. Students are also required to maintain a working sketchbook/portfolio website in addition to their class work. *Prerequisite Advanced Art III*

Intro to Design

0.5

9, 10, 11, 12

Semester

Elective. In this course, students are introduced to various media in the Digital Arts including graphic design, digital drawing, illustration, animation, 3-D printing, and mixed media.

Ceramics

(New Course 24-25)

1.00

9, 10, 11, 12

Year

Elective. This course offers an expansive study of the ceramic arts. Students will have the opportunity to create nonfunctional sculptures as well as functional ceramic art. Students will develop creative problem solving by designing three-dimensionally while applying the elements and principles of design. Techniques covered in this course include additive and subtractive sculpture, hand building, throwing sgraffito, terra sigillata, underglaze, glaze, oxidation firing, and raku firing. This course will evaluate ceramics through a variety of pancultural lenses including art history, art criticism, and aesthetics. Many cross-curricular connections will be made for instance to science and history.

ARTS & HUMANITIES

Course Title	Credit	Grade Level(s)	Course Length
Holocaust History	0.5	10, 11, 12	Semester
Elective. Learning about the Holocaust (<i>Shoah</i>) goes beyond understanding the historical fact that six million Jews were brutally murdered along with other innocent victims of the German regime during World War II. The Holocaust is a lesson in what can happen when hate, extreme prejudice ideology, and discrimination are allowed to flourish and become official policy. It is a lesson in the failure of individuals, institutions, and governments to take a stand against injustice. A comprehensive study of the events leading up to the Holocaust, and of the Holocaust itself, provides students with opportunities to realize the relative ease with which fundamental human and civil rights can be denied and to understand the ramifications of stereotyping, prejudice, antisemitism, discrimination, and scapegoating.			
African American History	0.5	10, 11, 12	Semester
Elective. This course will cover the African American experience from the end of slavery to the Civil Rights Movement. By the end of the semester, students will have attained a greater knowledge of the challenges African Americans have encountered over the past 150+ years and their struggles to overcome them.			
Journalism (Offered 24-25)	0.5	9, 10, 11, 12	Semester
Elective. Students will study how to write, interview, and research as journalists and work at writing for newspapers, magazines, and online publications. Students will also study the history, background, and practices of journalism. This will be primarily a writing and research course.			
20th Century Pop Culture (Offered 24-25)	0.5	11, 12	Semester
Elective. Students will investigate how historical events influenced popular culture in each decade in the 20 th century through discussion, research, writing, presentations, and more. Popular culture areas to be covered will be: celebrities, music, film, art, writing, theatre, fashion, architecture and more.			
Psychology I	0.5	11, 12	Semester
Elective. Have you ever wondered what makes you do the things that you do? Introduction to psychology may give you some answers. The course is designed to give you a basic introduction to the fundamentals of human psychology. It will compare the roles of heredity and environment and how they affect human behavior.			
Psychology II	0.5	11, 12	Semester
Elective. Psychology II will take an in-depth look at various topics in psychology. Topics such as learning, memory, personality, intelligence assessment, social development, social psychology, health, stress and coping will			

be studied. The course will pay close attention to the needs of high school students and will look at how psychology can be applied to everyday life. *Prerequisite: Psychology I*

Public Speaking

1.00

12

Year

Elective. This is an introductory public speaking course designed as an elective for seniors. The course will familiarize students with the essentials of public speaking - elements of communication, effective language, and correct body movement. Students will learn elements of and participate in impromptu, informative and persuasive speech; monologue, dialogue, oral interpretation, and debate.

Sociology I

0.5

11, 12

Semester

Elective. This semester course focuses on the development of society through the study of human interaction. Course content includes: defining sociology and social behavior; theoretical perspectives on social life; sociological research; culture and society; socialization and interaction; structure and function of social groups; and deviance. Through the investigation of sociological thought and theory, students will develop skills for participating more effectively in contemporary society and finding solutions to the many problems involving human interaction.

Publications

0.5 (O-S-X)

10, 11, 12

Year

Elective. Students in this course will produce the school yearbook. Staff will prepare copy, design, layouts, photos, and the financial foundation of the work. Every aspect of these publications will be handled by the staff members. Basic computer skills are advisable. *Prerequisite: Application approval by instructor.*

BUSINESS, COMPUTER, & TECHNOLOGY

Course Title	Credit	Grade Level(s)	Course Length
Accounting I	1.00	10, 11, 12	Year
Elective. This course teaches the student the fundamentals of accounting. The accounting cycle is taught in its simplest form. The basic fundamentals are then applied to the following accounting areas: merchandising, use of special journals, payroll systems, depreciation, notes and interest, partnerships and corporations and accruals. These skills are useful and essential for a person interested in a career in accounting.			
Accounting II (Offered 24-25)	0.5	11, 12	Semester
Elective. This course will build on the concepts students learned in Accounting I. They will be introduced to adjustments and valuations for a merchandising business organized as a corporation, accounting for partnerships, and the recording of international and internet sales. <i>Prerequisite- Accounting I</i>			
BEST Robotics I	0.5	9, 10, 11, 12	Semester (Fall)
This course will concentrate on the BEST Robotics competition. This includes designing, building and testing a robot that will be used in the competition. An Engineering notebook will also be written. Students will market the robot through a presentation, marketing exhibit, and social media. Students will be assigned various tasks depending on their skills, but will help with other tasks as needed. This course requires parental permissions for students to be able to travel to BEST robotic events.			
Business Law (Offered 24-25)	1.00	10, 11, 12	Year
Elective. This course provides the student with a practical knowledge and understanding of his/her rights and obligations in the transactions common to daily living. In mastering each lesson, the student becomes aware of his/her legal status in both business and personal dealings. The areas of study include the following: criminal law, civil law, constitutional law, legal procedure, court structure, contracts, sales, employment, and other topics as time permits.			
Computer Programming	1.00	9, 10, 11, 12	Year
Using Carnegie Mellon University's Computer Science Academy, students will be introduced to the fundamentals of programming using Python and Robot C, HTML, CSS and JavaScript and other programming languages. The course provides its own browser-based Integrated Development Environment (IDE) that the students will use to create and run their programs. It encompasses an editor and compiler as well as a custom graphics package.			
Innovative Technologies	1.00 (O-S-X)	9, 10, 11, 12	Year

This course is a multipronged path designed for students that have a desire to pursue STEM (Science, Technology, Engineering, and Math) related careers. The course will consist of three elements – robotics, drones, and an independent study component. Coursework involving drones and robotics will include the fundamentals of designing, building, and programming as well as the engineering design process and iterative design. The independent study portion of the course will allow a menu of potential STEM modules that students will choose from. Modules will include but are not limited to hardware support, computer aided graphic design, and Internet of Things. During this course students will interact with leading STEM professionals, engage with regional industry partners, and have the opportunity to participate in multiple workshops and competitions. Because this course is intended for serious students that are willing to commit to a team, and are exploring or preparing for a potential career, the class roster will be capped at 20 students. Workshop and competition attendance are mandatory. Transportation and all programming costs are provided by FASD.

Intro to Business

1.00

9, 10

Year

Elective. This course introduces students to the role of business in the lives of individuals, consumers, workers, and citizens. Topics covered include business operations, small-business management, business fundamentals, marketing, career planning, social responsibility and ethics, basic economics, technology, finance (including budgeting, banking, and more), operations, risk management, consumer decision-making, and insurance.

Personal Finance

0.5

9, 10, 11, 12

Semester

This course is designed to empower high school students with knowledge and application of basic financial principles so that they can make sound financial decisions for life. Topics include saving, budgeting, life after high school, consumer awareness, investing, planning for retirement and more.

VEX Robotics

1.00 (O-S-X)

9, 10, 11, 12

Year

This course will concentrate on the VEX Robotics competitions. This includes designing, building and testing a robot that will be used in the competition. Students will be assigned various tasks depending on their skills, but will help with other tasks as needed.

ENGLISH

Course Title	Credit	Grade Level(s)	Course Length
English 9	1.00	9	Year
This course is designed to help students develop a practical and correct use of spoken and written English. The basic elements of grammar, usage, and mechanics are emphasized to enhance clear spoken and written communication skills. Students are presented with a sampling of literary genres, from short stories to poetry to novels. Vocabulary, spelling, and composition skills are also incorporated.			
Academic English 9	1.00	9	Year
This course includes a study of the foundations of grammar, usage, and mechanics, including parts of speech/sentence, verbals, clauses, and sentence structure; familiarization with and interpretation of short stories, poetry, non-fiction, drama, and novels, focusing on the literary elements of these genres; the structure and various types of essays; the development of composition skills to enhance and clarify analysis and communication; and the increase of vocabulary through concentrated study and written use. <i>Prerequisite: 77% in English 8</i>			
Honors English 9	1.00	9	Year
This is the first course of the Honors/Advanced Placement track in English. The course includes a) the foundations of grammar, usage, and mechanics, parts of speech/sentence, verbals, clauses, and sentence structure; b) an analytical study of short stories, poetry, non-fiction, drama, and novels; c) the development of composition skills to enhance and clarify analysis and communication; d) vocabulary development through reading, concentrated study, and written use. Summer reading is required; students are required to purchase books for summer reading. <i>Prerequisite: 90% in Honors English 8 or 95% in English 8 with teacher recommendation and high school assessment.</i>			
English 10	1.00	10	Year
This course integrates writing, literature and grammar to give the student an English background that will be useful for either a future career or further education. <i>Prerequisite: English 9</i>			
Academic English 10	1.00	10	Year
In this class, an emphasis is placed on usage and complex grammatical structures, including verbal and subordinate clauses, in order to help the student communicate clearly; vocabulary; the analysis of many literary genres, including the short story, poetry, non-fiction, the essay, drama and the novel; and essay structure and the written analysis of literature. <i>Prerequisite: English 9 Academic</i>			
Honors English 10	1.00	10	Year

This is the second course of the Honors/advanced placement track in English. In this class, an emphasis is placed on (a) usage and complex grammatical structures including verbal and subordinate clauses in order to help the student communicate clearly; (b) the analysis of many literary genres including the short story, poetry, non-fiction, the essay, drama and the novel; (c) essay structure and the written analysis of literature. Students are required to purchase books for summer reading. *Prerequisite: 93% in English 9 Honors or teacher recommendation*

English 11	1.00	11	Year
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Students will complete a study of grammar and usage. The course focuses on reading, writing, speaking and listening that are geared toward a practical use of the English language and a focus on communication in the workplace. Students will read selected works from American literature as well as important American documents. Students will complete at least one oral presentation and read at least three major works (fiction, non-fiction, and play). *Prerequisite: English 10*

Academic English 11	1.00	11	Year
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Designed for the student who intends to pursue an education beyond high school, this course presents a chronological organization of American literature which enables students to explore major American literary periods and to recognize the progression of main ideas in American history and literature. Grammar and composition studies have one goal: to help the student write and speak clearly and effectively. *Prerequisite: Academic English 10*

Honors English 11 (*CHS Eligible)	1.00	11	Year
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This is the third course of the honors/AP track in English. Students will complete an in-depth survey of the materials and historical and philosophical background of American literature. Students will also complete study of all grammar and review usage. Students will extensively study and practice expository, critical, and personal writing. The prerequisite is 92% in English 10 Honors or teacher recommendation. Students are required to purchase books for the course. *Prerequisite: Honors English 10 or teacher recommendation*

English 12	1.00	12	Year
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This course is designed to give the student a review of literature, grammar, and usage, building on the student's background of skills from previous years. Course work will include a study of several works of literature, as well as preparation for interviewing, completing applications, and resume writing to ensure the student's readiness for the workplace. A resume and career research paper will be required. *Prerequisite: English 11*

Academic English 12	1.00	12	Year
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Course work includes a survey of classic British literature from Beowulf through Macbeth. Students are required to have a knowledge of grammar and writing skills from previous coursework. Students will be required to complete essays reflecting a mastery of grammar, usage, mechanics, and analysis, as well as a documented literary

research paper. College-level vocabulary is emphasized. This course is designed for students who intend to pursue an education beyond high school. *Prerequisite: Academic English 11*

A.P. English 12

1.00

12

Year

Coursework is designed for the serious student who wishes a college-level, in-depth study of literature and literature-related composition. Course includes a four-week preparation for the AP exam in literature, though the exam itself is not required for the completion of the course (some colleges offer credit for a passing grade on the exam). Summer reading is required for this course; students must purchase summer reading books. *Prerequisite: 90% in Honors English 11*

DRIVER EDUCATION/HEALTH/PHYSICAL EDUCATION

Course Title

Credit

Grade Level(s)

Course Length

Health and Wellness

0.5

9

Semester

Health is a required one semester course. All students are required to take it at the freshmen level and it is taught as a co-ed class. The program is wellness oriented and it includes a broad overview of all body systems. Other major units include nutrition, alcohol, tobacco and illegal drugs, STD's including AIDS, mental health, and public health (environmental factors.) It is intended that this course will provide students with the information and skills they need to become health literate, maintain and improve health, prevent disease, and reduce health related risk behaviors.

Boys PE 9

0.5

9

Semester

Freshman boys are required to take a semester of physical education. Emphasis in this class will focus on wellness and physical fitness through team and individual sports and activities. In an effort to promote wellness and personal hygiene, students will be required to change clothes for class.

Girls PE 9

0.5

9

Semester

Freshman girls are required to take a semester of physical education. Emphasis in this class will focus on wellness and physical fitness through team and individual sports and activities. In an effort to promote wellness and personal hygiene, students will be required to change clothes for class.

Co-Ed PE 10

0.25

10

Quarter

Sophomore students are required to take one quarter of physical education. All course requirements remain the same as ninth grade.

Co-Ed PE 11-12	0.5	11, 12	Semester
Juniors and Seniors must take a semester of physical education. Course requirements remain the same, but more emphasis is placed on wellness, lifetime activities, and personal fitness.			
Driver Education (Book)	0.25	10	Quarter
The Driver Education Course consists of classroom instruction and car instruction (learning to drive in the car.) In order to get the insurance reduction, the student must complete 30 hours of classroom instruction and six hours of behind-the-wheel instruction with a trained instructor. The classroom phase of the course includes: those things which are important to make a safe driver, good driving attitudes, physical condition of the driver, nature's laws and their effect on the automobile, man-made laws and the reason for them and how the automobile runs, motorcycles, pedestrian safety and bicycle safety. <i>Optional</i> behind-the-wheel instruction is just that, with great emphasis on safety. Prerequisite for behind-the-wheel instruction is based upon a student passing the driver education book and having a learner's permit or license. This is scheduled individually through the Principal's Office and is completed after school hours. No high school credit is awarded for completion of behind-the-wheel instruction.			

FAMILY & CONSUMER SCIENCES

Course Title	Credit	Grade Level(s)	Course Length
Exploring Home Arts	1.00	9, 10	Year
Elective. Explore the phases of family and consumer sciences-family living, finances, careers, clothing and textiles, child development, and foods and nutrition. One nine week period will be devoted for foods and nutrition. The rest of the year will cover the other areas. This class includes book work, as well as occasional hands-on experience. The students will be responsible for the purchase of the sewing project.			
Food and Nutrition	1.00	11, 12	Year
Elective: The entire first nine weeks is devoted to the study of nutrition. Students will get samples of different foods and snacks that coincide with the lessons but there is no cooking until the second quarter. Written bookwork, online activities and a diet evaluation will help students study the relationship between eating and good health. The second, third and fourth nine weeks include some book work but mostly food labs. The categories of food labs are the following: baking, fruits, vegetables, meat, and dairy. In addition to the food labs, students will demonstrate a recipe and prepare a full course dinner. This class is a prerequisite for Creative Cooking and Advanced Cooking Skills.			
Creative Cooking	0.5	12	Semester
Elective: This class is all hands-on food labs! There will be multiple recipes in the following categories: appetizers, breads, soups, seasonal foods, dips, sides, main dishes and desserts. In addition, you will come up with a few recipes of your choice for competitions. You will be preparing tasty food and learning new tips and techniques for success in the kitchen. Sign up for Advanced Cooking Skills in order to get a full year of cooking your senior year. <i>Prerequisite: Food & Nutrition</i>			
Advanced Cooking Skills	0.5	12	Semester
Elective: This class is for students who want to plan what they do by finding recipes and helping prepare shopping lists. In addition, there will be multiple cooking competitions throughout the semester. There will be a little less cooking than in Creative Cooking because days will be spent planning. Sign up for Creative Cooking in order to get a full year of cooking your senior year. <i>Prerequisite: Food & Nutrition</i>			
Home Decorating	1.00	10, 11, 12	Year
Elective. This is a hands-on class. The class is devoted to making various crafts for the home. The student will be responsible for supplying some of the craft items. Among the crafts learned are cross stitch, stenciling, counted cross stitch, quilting, and plastic canvas. The crafts are generally seasonal and are not limited to the ones mentioned.			

INDUSTRIAL TECHNOLOGY

Course Title	Credit	Grade Level(s)	Course Length
Intro to Manufacturing	0.5	9, 10	Semester
Introduction to Manufacturing is a course which introduces the student to designing and building products. In addition to the study of the safe use of tools and machinery, students learn to create useful projects of wood, metals and materials.			
Basic Manufacturing	0.5	10, 11, 12	Semester
In this course, students will be introduced to basic manufacturing processes to make various projects. The students will learn basic woodworking and metalworking processes to accomplish this.			
CNC Manufacturing	0.5	10, 11, 12	Semester
Students will learn basic manufacturing processes. They will also learn basic CAD commands and to use Computer Numerical Control (CNC) machines to complete various projects.			
Manufacturing (Mfg) Tech II	1.00	11, 12	Year
This course uses experience gained from previous courses. Students will design and manufacture advanced projects. New processes will be introduced as required. <i>Prerequisite: Basic and CNC Mfg.</i>			
Computer Aided Drafting I	0.5	9, 10, 11, 12	Semester
This class allows students interested in engineering, architecture, or technical drawing the chance to use drafting tools and CAD software. Students will complete basic two dimensional (2D) and three dimensional (3D) drawings using these tools and software. The students will also learn basic dimensioning techniques.			
Computer Aided Drafting II	0.5	9, 10, 11, 12	Semester
Students will build upon skills developed in Computer Aided Drafting I and complete more advanced drawings. They will also learn basic architectural drawing techniques. <i>Prerequisite- Computer Aided Drafting I</i>			

MATHEMATICS

Course Title	Credit	Grade Level(s)	Course Length
Algebra I-A	1.00	9	Year
This course develops a firm foundation in the basic concepts of Algebra. It also covers solving and graphing equations and inequalities.			
Algebra I-B	1.00	10	Year
This course begins with a review of Algebra I-A. Students will solve systems of equations and inequalities, apply properties of exponents, factor polynomials and work with quadratic equations. The course will also cover topics in probability and data analysis.			
Academic Algebra I	1.00	9	Year
This course is designed to teach the fundamentals necessary in understanding algebra and its applications. The course develops students' skills in solving equations and simplifying expressions involving variables expressed in letters instead of numerals. <i>Prerequisite: 77% in Math 8</i>			
Algebra II	1.00	11, 12	Year
This course has been designed to gain a basic understanding of the concepts of Algebra II. <i>Prerequisite: Algebra I-A and Algebra I-B</i>			
Academic Algebra II	1.00	10	Year
As the sequel to Algebra I LII, the course reviews and intensifies the principles learned in Algebra I. Topics covered are solving for roots of equations, simplifying algebraic expressions, graphing, solving linear and quadratic functions, factoring and additional topics that will prepare students for Pre-Calculus. <i>Prerequisite: Academic Algebra I or Honors Algebra 8</i>			
Honors Algebra II	1.00	9	Year
Honors Algebra II is a more intense study of many of the same topics covered in Academic Algebra II. Students move at a quicker pace and often go deeper into the content. There are additional topics studied as time will allow. <i>Prerequisite: 85% in Honors Algebra 8/Accelerated Algebra I</i>			
Geometry	1.00	11, 12	Year
This course has been designed to gain the basic understanding of plane and solid geometry needed to meet state standards. While the usual topics of geometry are covered, the use of proofs will not be emphasized. <i>Prerequisite: Algebra I-B or instructor approval</i>			

Academic Geometry	1.00	11	Year
This course provides an excellent background in the fundamentals of plane and solid geometry. While the usual topics of geometry are covered, including the studying of theorems and their applications, the use of proofs is emphasized. <i>Prerequisite: Academic Algebra II</i>			
Honors Geometry	1.00	10	Year
This course is intended for the student mathematically or scientifically oriented. The course uses deductive and inductive methods for studying the principles of geometry and is more comprehensive and intensive than Academic Geometry. <i>Prerequisite: 85% in Honors Algebra II</i>			
Academic Pre-Calculus	1.00	11	Year
This course is designed to supply the fundamentals of Pre-Calculus. Units include, but are not limited to: graphing with translations/transformations, with an emphasis on quadratics; probability; trigonometry; and an introduction to limits. The pace and scope of the material covered will be somewhat less than that of the Honors version. <i>Prerequisite: Academic Geometry & Academic Algebra II</i>			
Honors Pre-Calculus	1.00	11	Year
The course consists of a study of Pre-Calculus topics, including foundations of real analysis, limits, logarithms, analytic geometry, functions, and trigonometry. The topics in this course are studied in more depth than the Academic Pre-Calculus Course. <i>Prerequisite: 85% in Geometry Honors</i>			
Academic Calculus	1.00	12	Year
This course focuses on the foundations and analysis of early material students will encounter in a college-level calculus class. Through the context of calculus, students will strengthen their skills in solving equations, graphing functions, and analyzing features of functions and their graphs. This course provides a review of polynomials, exponential, logarithmic, and trigonometric functions. Each family of functions will include an exploration of related limits and derivatives. Prerequisites: 77% in Academic Pre-Calculus or a 70% in Honors Pre-Calculus			
Honors Calculus (*CHS Eligible)	1.00	12	Year
This course is a college-level course in Calculus. It is a suggested course for those planning to major in engineering, mathematics, and the sciences; it is the basic course leading to all advanced courses in mathematics and the natural and physical sciences. It includes a study of the derivative, trigonometric functions, the integral, and applications of the derivative and the integral. The class can be taken as a College in the High School course with the University of Pittsburgh Bradford for college credits; however, this is an option and not a requirement for the course. <i>Prerequisite: 85% in Pre-Calculus Honors</i>			

Probability and Statistics (*CHS Eligible)	1.00	11, 12	Year
This is an introductory statistics course and covers methods of summarizing data, descriptive statistics, probability and probability distributions, sampling distributions, the central limit theorem, hypothesis testing, analysis of variance, and regression analysis. Mathematical derivations and formulas are stressed. The use of technology is also stressed. The class can be taken as a College in the High School course with the University of Pittsburgh Bradford for college credits; however, this is an option and not a requirement for the course. <i>Prerequisite: Academic Algebra II & Academic Geometry</i>			
Consumer Math	1.00	12	Year
This course provides an in-depth study of specific consumer skills and practical applications such as banking, purchasing, installment buying, credit card use, mortgages, loans, insurance, etc.			

MUSIC

Course Title	Credit	Grade Level(s)	Course Length
Band Front	0.25 (O-S-X)	9, 10, 11, 12	Quarter 1
Elective. This course meets only during the first nine weeks and consists of the Silks and Knightettes. The squad participates in all performances of the marching band.			
Concert Choir	1.00 (O-S-X)	9, 10, 11, 12	Year
Elective. This course will cover a variety of choral literature, suitable for beginning singers to more advanced. The group will give several performances for the public and community throughout the school year. Attendance at all performances is mandatory.			
Concert Band	0.75 (O-S-X)	9, 10, 11, 12	Quarters 2, 3, 4
Elective. This course meets the second, third, and fourth nine weeks. Concert Band performs several concerts per year. Members are required to attend all performances. <i>Prerequisite: Audition</i>			
Madrigal	0.5 (O-S-X)	9, 10, 11, 12	Year
Elective. This course will cover a variety of advanced choral literature, ranging from Renaissance to 20th Century styles. Students must audition and show advanced skill in order to be considered for this group. The group will give several performances for the public and community throughout the school year. Attendance at all performances is mandatory. <i>Prerequisite: Member of Concert Choir, Audition</i>			

Music Theory	1.00	9, 10, 11, 12	Year
Elective. This course is a study of the basic materials of written harmony, aural theory, music history, form, orchestration, and musical acoustics. All band and choir students are encouraged to take this course. <i>Prerequisite: interview with the instructor.</i>			
Piano (New Course 24-25)	1.00	9, 10, 11, 12	Year
Elective. Students will learn to play piano through group and individual instruction. This class will work through basic keyboard skills to be able to read piano sheet music and chord charts. This class will be for beginners through advanced players.			
Senior Band	1.00 (O-S-X)	9, 10, 11, 12	Year
Elective. This course consists of two parts, marching band which meets the first nine weeks and concert band which meets the second, third and fourth nine weeks. The marching band performs at high school football games, parades and other community events. The second, third and fourth nine weeks are spent learning to play a variety of musical styles in the concert band setting. Several concerts are performed throughout the year. Attendance at all rehearsals and performances is required. <i>Prerequisite: Play Instrument</i>			
Stage Band	0.5 (O-S-X)	9, 10, 11, 12	Year
Elective. This course is a study of the techniques of performance in the areas of swing, jazz and rock music. Students must play alto, tenor or baritone saxophone, trumpet, trombone, piano, jazz bass, rhythm guitar or trap set to be a member of this select ensemble. Participation is by audition only. Attendance at all rehearsals and performances is required. The band performs for school and community functions, festivals and the High School Broadcast. <i>Prerequisite: Band Member/Audition</i>			

SCIENCE

Course Title	Credit	Grade Level(s)	Course Length
Science 9	1.00	9	Year
This course is designed to introduce the student to physical science. Basic concepts in physics and chemistry are covered. Specific topics include scientific method and skills, motion, forces, energy, heat, waves, electricity, magnetism, atoms and matter interaction.			
Academic Science 9	1.00	9	Year
This course is designed to introduce the student to physical science. Basic concepts in physics and chemistry are covered. Specific topics include scientific method and skills, motion, forces, energy, heat, waves, electricity, magnetism, atoms and matter interaction. <i>Prerequisite: 77% in Science 8.</i>			
Honors Biology	1.00	9	Year
The course attempts to teach a student how to study and why events occur rather than facts. The goal of the course is to teach both deductive and inductive reasoning. A biological investigation is conducted as part of the grade. <i>Prerequisite: Honors Science 8 or 93% in Science 8 & teacher recommendation.</i>			
Biology	1.00	10	Year
This course is designed to deal with the structures and functions of living organisms. Topics such as cell growth and reproduction, principles of heredity, the classification system, ecology, evolution, invertebrate and vertebrate life cycles, and plants are discussed. The class is designed to follow the core standards. Students will be required to take the Keystone examination at the end of this course.			
Academic Biology	1.00	10	Year
Required. The course is designed to deal with the structures and functions of living things. Emphasis is placed on improving the student's ability to learn through deductive and inductive reasoning. Topics such as cell structure and function, cell growth and reproduction, principles of heredity, classification system, invertebrates, vertebrates and plants are presented in a thought-provoking manner. <i>Prerequisite: 77% in Academic Science 9.</i>			
Environmental Science	1.00	11, 12	Year
Elective. This course is an introduction to the multidisciplinary field of environmental science. It will examine how the Earth's environment works, how humans interact with it, and the effects of those interactions. The course will integrate and explore the fields of ecology, biology, physical science, oceanography, meteorology/climatology, geology, and physical geography. <i>Prerequisite: Science 9 and Biology</i>			
Academic Chemistry	1.00	11	Year

The basic theme of chemistry is the study of matter, its makeup and changes in makeup. Students will develop the ability to reason the “how and why” of chemical reactions. Students are asked to analyze information and apply it to appropriate related areas. Problem-solving techniques are used throughout the course. This course includes instruction on naming compounds, balancing equations, oxidation-reduction reactions. *Prerequisite: 85% in Academic Biology*

Concepts of Chemistry
(*CHS Eligible)
 (New Course 24-25)

1.00

10, 11

Year

Honors chemistry course with an option for CHS college credit. This course takes a deep exploration into stoichiometry (chemical calculations), chemical equations, gas laws, atomic structure and periodic properties of elements. *Prerequisite: Biology - Honors*

Academic Physics

1.00

12

Year

Elective. This course is an introduction to the principles of motion and energy. First semester topics deal with motion and include velocity, acceleration, forces and kinetic and potential energy. Vector analysis and algebraic solution of equations will be performed; so the student is advised to have a strong math background. Second semester topics deal with the various forms of energy such as electricity, heat, light and sound. Chemistry is suggested but not a prerequisite. *Prerequisite: 85% in Chemistry & Algebra II*

Honors Physics

1.00

11, 12

Year

Elective. This course is a basic introduction to college physics. Topics covered are kinematics, dynamics, statics, conservation of momentum and energy, gravitation and planetary motion, heat transfer, electricity and waves. These topics are the same as those covered in physics but will be more in depth. The derivation of equations and interpretation of graphical data will be included. *Prerequisite: 85% in Honors Chemistry & Honors Pre-Calculus*

Anatomy and Physiology

1.00

10, 11, 12

Year

Anatomy & Physiology has been designed to focus on the major systems of the human body, including the: Integumentary system, skeletal system, muscular system, nervous system, cardiovascular system, respiratory system, and the reproductive system. Upon completion of this course, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory work includes the dissection of preserved specimens, microscopic study, and physiological experiments. Note: This course will include the dissection of a fetal pig for scientific exploration and advancement. *Prerequisite: 85% in Biology or Teacher Recommendation*

Intro to Environmental Science
(*CHS Eligible)
 (New Course 24-25)

1.00

11, 12

Year

Elective. Eligible for CHS college credit. This course is an interdisciplinary study that presents a general overview of how nature works and how earth and life systems, including society, are interconnected. It examines how the

environment is being used and abused by humans and what individuals can do to protect and improve it for future generations and for other living things.

The Intro to Environmental Science- CHS (College in the High School) course will be offered in rotation every other year with Biology CHS.

SOCIAL STUDIES

Course Title	Credit	Grade Level(s)	Course Length
U.S. History 9	1.00	9	Year
This course begins with the Age of Discovery and the first Americans and ends with the American Civil War. Early colonial life is emphasized as it leads to the American Revolution and the creation of the United States Constitution. The early presidents' contributions, the westward movement, the question of slavery, and the reforming spirit are also highlighted. Students will be required to complete homework and classroom assignments in the forms of questions, readings, worksheets, and study guides. Maps, graphs, and charts will also be utilized. Pennsylvania history and geography will also be incorporated into the course.			
Academic U.S. History 9	1.00	9	Year
This course begins with the Age of Discovery and the first Americans and ends with the American Civil War. Early colonial life is emphasized as it leads to the American Revolution and the creation of the United States Constitution. The early presidents' contributions, the westward movement, the question of slavery, and the reforming spirit are also highlighted. Students will be required to complete homework and classroom assignments in the forms of questions, readings, worksheets, and study guides. Maps, graphs, and charts will also be utilized. Pennsylvania history and geography will also be incorporated into the course. Level II students will be required to complete a mandatory research project along with a class presentation. This course offers a comprehensive examination of early America with the independent learner in mind. <i>Prerequisite: 77% in 8th grade History</i>			
U.S. History 10	1.00	10	Year
United States History, Part II, 1877-Present. The course is a study of the political, economic, social and cultural development of the United States since 1865. Key events in United States history will be given special emphasis to include: the American Revolution, creation of the US Republic, and the Civil War. <i>Prerequisite: US History 9</i>			
Academic U.S. History 10	1.00	10	Year
United States History, Part II, 1877-Present. The course begins with the Reconstruction Era and ends with modern issues facing American society today. Students will engage in the study of Western Expansion, Industrialization and Urbanization, Social Progressing, constitutional Issues, and how the past relates to today's world. Key events include the World Wars, Civil Rights Movement, as well as United States involvement around the globe. Individual written and oral reports will be required. <i>Prerequisite: US History 9 Academic.</i>			

Honors U.S. History 10	1.00	10	Year
This course traces in-depth the political, economic, diplomatic, and social development of the United States from the Reconstruction period to the present. Attention is given to contemporary problems and the place of the United States as a world power. Individual work and analytical thinking are emphasized. Extensive study of historical figures and events replaces the more general topics covered in Academic US History 10. This course will require research to be presented through both written and oral assignments. Student collaboration through the use of multimedia and technology will be incorporated. Class discussion and debate is an integral part of this class experience. Students are expected to complete assigned readings before class and be prepared for discussion. <i>Prerequisite: 90% or higher in US History 9 Academic.</i>			
U.S. History 10- Vo-Tech**	0.5	10	Semester
Students enrolled in Vo-Tech will take one semester of U.S. History 10.			
World History 11	1.00	11	Year
World History. The main purpose of this course is to provide students with a comprehensive survey of world history that will help them understand their own times. The course will cover traditional societies in the West, as well as those of Asia, Africa and the Middle East, and give a balanced presentation of political, economic, social and cultural history. <i>Prerequisite: US History 10</i>			
Academic World History 11	1.00	11	Year
World History. This course begins with the Renaissance/Reformation Era and its relationship to current times. Next is a comprehensive cultural study of Europe, Asia, Africa and the Americas (of first Global Age). Also emphasized is the Age of Absolutism, the Enlightenment and the French Revolution/Napoleon. Other important events/concepts covered are the Industrial Ages, growth of nationalism/democracies and imperialism. The course concludes with the Russian Revolution, World Wars and an overview of the world after World War II to the present. Course requirements: current events portfolio (2nd and 3rd 9 weeks) and an oral presentation (4th 9 weeks). <i>Prerequisite: Academic US History 10</i>			
AP World History 11	1.00	11	Year
Advanced Placement World History is a challenging year-long course that is structured around the investigation of selected themes woven into key concepts covering distinct chronological periods. AP World History is equivalent to an introductory college survey course spanning six historical periods from 8000 B.C.E to the present. The course has a three-fold purpose: to prepare students for successful placement into higher-level college history courses; to develop skills of analysis and thinking for success in the twenty-first century; and the ability to develop the skills to examine change over time, including the causation and effects of historical developments, the interconnectedness of events, and interactions of geographic, political, cultural, and social significance. It is expected that students will be able to show their mastery of the course goals by taking part in the College Board AP World History Exam each May. Students will be expected to purchase summer reading materials. <i>Prerequisite: 93% Honors US History 10</i> The five AP World History Themes that connect the key concepts throughout the course and serve as the foundation for student reading, writing, and presentation requirements are as follows: 1) Interaction between humans and the environment 2) Development and interaction of cultures			

3) State-building, expansion, and conflict systems 4) Creation, expansion, and interaction of economic systems 5) Development and transformation of social structures			
World History 11- Vo-Tech**	0.5	11	Semester
Students enrolled in Vo-Tech will take one semester of World History 11 for 0.5 credit each			
Economics/Government 12	1.00	12	Year
Econ/Govt 12 is a full-year course with Economics and American Government each lasting approximately a semester. Economics will be an introduction to the basic principles and concepts of economic theory. An emphasis will be placed on the American free-enterprise system. American Government will be an introduction to the United States government under the Constitution. Along with the academic aspect of the course, the need to be knowledgeable, active members of the political process and responsible members of society will also be incorporated and stressed. Technology will play a component in both instruction and student assessment in all senior government classes. <i>Prerequisite: World History 11</i>			
Academic Economics/Government 12	1.00	12	Year
Econ/Govt 12 is a full-year course with Economics and American Government each lasting approximately a semester. Economics will be a detailed examination of the principles and concepts of economic theory. An emphasis will be placed on the American free-enterprise system. American Government will be a detailed look into the United States government under the Constitution. Along with the academic aspect of the course, the need to be knowledgeable, active members of the political process and responsible members of society will also be incorporated and stressed. Technology will play a component in both instruction and student assessment in all senior government classes. <i>Prerequisite: World History 11 Academic.</i>			

WORLD LANGUAGES

Course Title	Credit	Grade Level(s)	Course Length
French I	1.00	9, 10, 11, 12	Year
Academic Elective. The student will be introduced to the French language through vocabulary, grammar, sentence structure, reading, writing, speaking, and translation. French culture will be incorporated in the above activities. A strong understanding of English grammar is beneficial to learning another language. <i>Prerequisite: Concurrent with English 9 Academic or Honors - strongly recommended due to the grammar intensive nature of the course.</i>			
French II	1.00	10, 11, 12	Year
Academic Elective. Students will continue to learn the French language through reading, writing, listening and speaking. Activities involving French culture will continue to be incorporated into the lessons. <i>Prerequisite: French I</i>			
French III	1.00	11, 12	Year
Academic Elective. Additional fine grammar points are introduced and stressed to the students through reading, writing, listening and speaking. Various activities will be included to help students achieve a higher level of fluency. Students will continue to learn about French culture. <i>Prerequisite: French I and II</i>			
French IV	1.00	12	Year
Academic Elective. Additional fine grammar points are introduced. The skills of reading, writing, speaking and listening are practiced through a wide variety of activities. Students will read novels, write stories, listen to authentic French through various sources, and focus on fine-tuning their speaking skills. French culture will be incorporated into these lessons. <i>Prerequisite: French I, II, and III</i>			
Spanish I	1.00	9, 10, 11, 12	Year
Academic Elective. Learning a language involves the four skills of listening, speaking, reading and writing. Class activities are geared toward building a foundation in these four areas. Students will learn Spanish through vocabulary, spelling, sentence structure and grammar. An emphasis is made on being able to use the content to talk about oneself and ask questions about others. In addition, basic culture and geography of Spanish-speaking countries are incorporated into the lessons. A strong understanding of English grammar is beneficial to learning another language. <i>Prerequisite: Concurrent with English 9 Academic or Honors - strongly recommended due to the grammar intensive nature of the course.</i>			
Spanish II	1.00	10, 11, 12	Year
Academic Elective. Students continue to learn vocabulary, spelling, sentence structure, and grammar. As in Spanish I, class activities will incorporate listening, speaking, reading and writing. Students will continue to learn about the culture and geography of different Spanish-speaking countries. <i>Prerequisite: Spanish I</i>			

Spanish III	1.00	11, 12	Year
Academic Elective. Students will continue to learn vocabulary, spelling, sentence structure, and grammar as well as review material from Spanish I and II. Class activities will include a wide variety of activities to incorporate previously learned material along with newer material in order to improve the four skills of language: listening, speaking, reading, and writing. The geography and culture of different Spanish-speaking countries are incorporated into the lessons. <i>Prerequisite: Spanish I and II</i>			
Spanish IV	1.00	12	Year
Academic Elective. Spanish IV is a time to “put it all together” in order to improve listening, speaking, reading, and writing skills. A variety of resources and media are incorporated in order to allow for practice in the four skills of language and to work toward a higher level of proficiency. Students will learn additional fine grammar points and vocabulary as well as review previously learned material. Activities will be similar to those from the previous levels as well as include reading short stories, writing short passages, speaking, and listening to authentic Spanish. The geography and culture of different Spanish-speaking countries continue to be incorporated into the lessons. <i>Prerequisite: Spanish I, II, and III.</i>			

Example Course Sequence Guides

* Students may cross pathways from General-Academic-Honors with teacher recommendation*

English/ELA

	General Track	Academic Track	Honors Track
Grade 9	English 9	Academic English 9	Honors English 9
Grade 10	English 10	Academic English 10	Honors English 10
Grade 11	English 11	Academic English 11	CHS English 11
Grade 12	English 12	Academic English 12	AP English 12

Mathematics

	General Track	Academic Track	Honors Track
Grade 9	Algebra I-A	Academic Algebra I	Honors Algebra II
Grade 10	Algebra I-B	Academic Algebra II	Honors Geometry
Grade 11	Algebra II	Academic Geometry	Honors Pre-Calculus
Grade 12	Geometry or Consumer Math	Academic Pre-Calculus or Probability and Stats	Honors Calculus or CHS Probability and Stats

Science

	General Track	Academic Track	Honors Track
Grade 9	Science 9	Academic Science 9	Honors Biology
Grade 10	Biology	Academic Biology	CHS Concepts of Chemistry
Grade 11	Environmental Science	Academic Chemistry	Honors Physics
Grade 12	Science Elective - Optional	Academic Physics. or Anatomy & Phys.	CHS Environmental Science or Anatomy and Physiology

Social Studies

	General Track	Academic Track	Honors Track
Grade 9	US History 9	Academic US History	Academic US History 9
Grade 10	US History 10	Academic US History 10	Honors US History
Grade 11	World History 11	Academic World History 11	AP World History 11
Grade 12	Econ/Govt 12	Academic Econ/Govt 12	Academic Econ/Govt 12

XELLO

What road will you take after high school? Xello can help. Students will create an account in 7th grade and document their career research activities throughout high school in order to graduate with a completed career portfolio.

What is Xello?

Xello is an interactive career resource designed for people of all ages. If you want to find the right career, explore different career options, or plan future education and training, check this out!

What tools are available?

Assessments - Career Matchmaker, Ability Profiler, Learning Styles Explore Careers

Education & Training Needs Information Financial Aid

Employment Tools & Skill Building

What is the website?

www.xello.com

Do I need a username/password?

Yes! Username: Franklin Password: Knights

Create your own account to save your career related activities.

Can this website be accessed at home?

Yes! This is a web based program that students and parents can utilize at home and school

INTRODUCTION

A tour of the Venango Technology Center is offered to all ninth grade students during the first semester. A representative of the technology center also meets with students for one class period to discuss the opportunities available at the technology center. Interested students are given the opportunity to visit the technology center for a day to see two instructional areas of their choosing. All students will be asked to decide if they would like to participate in technology center courses. It is strongly recommended that the student consider all technology center opportunities available.

REQUIREMENTS

In order to meet the necessary graduation requirements under the policy, technology center students will receive three (3) credits for the courses taken at the technology center. It is anticipated that students will be considered for admission to the Venango Technology Center after having successfully completed the 9th grade with no less than five credits and passing grades in English 9, social studies 9, science 9, and mathematics.

PERKINS STUDENTS OCCUPATIONALLY & ACADEMICALLY READY (SOAR) INFORMATION

Students Occupationally & Academically Ready (SOAR) is the career and technical Program of Study (POS) educational plan that articulates the high school career and technical programs to postsecondary degree or diploma or certificate programs. SOAR programs lead students into a career pathway that align the high school courses to a postsecondary program to complete a degree or certificate.

The main steps you need to take are:

- ❖ Sign up for a career and technical education program and finish the program
- ❖ Earn a high school diploma
- ❖ Achieve a minimum 2.5 grade point in your career and technical education program
- ❖ Achieve competent or advanced level on the NOCTI
- ❖ Achieve proficiency on all tasks in the approved Task List

If you achieve those requirements then there may be colleges all over Pennsylvania that will award you college credit for the work you did in high school. For more information, please visit: <https://www.collegetransfer.net/Search/PA-Bureau-of-CTE-SOAR-Programs>

2024-2025 VTC ARTICULATION AGREEMENTS

CIP Code	CIP Title	VTC Program Name	Articulation Agreement
1.0601	Applied Horticulture/ Horticulture Operations, General	Natural Resources	Butler County Community College BC3
12.0508	Institutional Food Workers	Culinary Arts	Pittsburgh Technical College PTC
15.0303	Electrical, Electronic & Communications Engineering, Technology/Technician	Electronics Technology	Precision Manufacturing Institute PMI, Triangle Tech Butler County Community College BC3, Pittsburgh Technical College PTC
15.1301	Drafting & Design Technology/Technician, General	Computer Aided Drafting & Design	Triangle Tech , Butler County Community College BC3 Pittsburgh Technical College PTC
43.9999	Homeland Security, Law Enforcement, Firefighting & Related Protective Services, Other	Protective Services	Clarion University of PA, Pennsylvania College of Technology, Pittsburgh Technical College PTC
46.9999	Construction Trades, Other	Building Construction Technology	Triangle Tech
47.0604	Automobile/Automotive Mechanics Technology/Technician	Automotive Technology	Pittsburgh Technical College PTC University of Northwestern Ohio
47.0613	Medium/Heavy Vehicle & Truck Technology/Technician	Heavy Equipment Repair Technology	University of Northwestern Ohio
48.0501	Machine Tool Technology/Machinist	Machine Tool Technology	Thaddeus Stevens College of Technology Precision Manufacturing Institute PMI
48.0508	Welding Technology/Welder	Welding Technology	Ohio Technical College OTC, Precision Manufacturing Institute PMI, Triangle Tech Pittsburgh Technical College PTC
51.0899	Health/Medical Assisting Services, Other	Allied Health Occupations	Butler County Community College BC3
52.1201	Management Information Systems, General	Computer Information Systems	Butler County Community College BC3 Pittsburgh Technical College PTC

Venango Technology Center Course Listings & Descriptions

Course Title	Credit	Grade Level(s)
Allied Health Occupations	3.00	10, 11, 12
This program is designed to prepare the students for a career in the health career field caring for patients in hospitals, nursing homes, and home care. Students learn CPR, First Aid, medical terminology, and how the body works. Students work towards earning a special license to become a Certified Nurse's Assistant (CNA).		
Auto Body Repair Technology	3.00	10, 11, 12
The student learns the following skills: MIG welding, use of hand tools, collision and plastic repair, refinishing & painting techniques, and damage estimating. The auto body student will analyze damage to uni-body structures, look up manufacturer's paint codes, and mix the correct colors of paint. A state of the art down draft spray booth is available for the development of refinishing skills.		
Automotive Technology	3.00	10, 11, 12
New students learn automotive maintenance including the following: brake work, tire changing & repair, wheel balancing, oil changes, lubrications, exhaust systems, and electrical systems, analysis of engine problems, adjustment, repair, and replacement of faulty parts. The students also learn engine tune-up, engine overhaul, steering systems, wheel alignments, fuel injection theory, drive-ability, and repair.		
Building Construction Technology	3.00	10, 11, 12
This course begins with an emphasis on the safe use and care of hand tools and power tools. Rough framing, roof framing, exterior finish, interior finish, and stair building are taught and the learning is culminated with the construction of an actual full-scale house. Electrical wiring, plumbing, dry wall application and masonry are also taught. Trade mathematics, estimating, and blueprint reading are major units of the course.		
Computer Aided Drafting & Design	3.00	10, 11, 12
The CADD curriculum prepares the student for entry-level skills as a mechanical or architectural draftsman. Basic drafting fundamentals on the drafting board, applied mathematics and basic geometry, and computerized drafting (CAD) comprise the Computer Aided Drafting & Design curriculum. The CAD equipment is computer-based with the latest version of AutoCAD, Architectural & Mechanical Desktop, Inventor Series Professional, and Revit Building programs.		
Computer Information Systems	3.00	10, 11, 12
. The first year is devoted to introducing students to computer concepts and terminology, general business applications with Microsoft Office, computer programming, web site development, and 2D animation. The		

second year students learn how to analyze common hardware/software/networking processing, problems, and preformation issues, integrate common preventive maintenance techniques, and identify cyber law and digital forensics by using computer forensics techniques. Third year students will concentrate on multimedia development, 2D video game development, and 3D animation commonly seen in video games and motion pictures.		
Culinary Arts	3.00	10, 11, 12
The culinary arts department is divided into two phases: chef training (including baking) and waiter/waitress training. The chef training emphasizes food service and bakery operation; including banquet service, buffets, fast food preparation, and institutional food service. The waiter/waitress program stresses proper customer service, table setting, reading and describing a menu, and cash register operation.		
Dental Assisting	3.00	10, 11, 12
Dental Assistants carry out a wide variety of jobs within a private dental office, clinic or hospital setting. Dental Assistants work alongside the dentist to provide a second pair of hands while giving comfort to the patient. Some of these jobs include greeting patients, preparing procedure trays, mixing required dental materials, evacuation of fluids, and the transfer of instruments & instrument sterilization. They also give oral hygiene instructions along with pre- and post-operative instructions and nutrition counseling.		
Early Childhood Education	3.00	10, 11, 12
Program will focus on the provision and management of childcare services and prepare students to plan, design, and manage childcare facilities that meet children's developmental needs and interests. Students will receive instruction in child development and psychology; home-and institution-based childcare; identification of diseases, injuries, and psychological trauma and applicable referral; parent relations; personnel and business management principles; and related laws and policies.		
Electronics Technology	3.00	10, 11, 12
Students study electrical and electronic circuits, audio and digital electronics, microprocessors, robotics systems, copper cabling, fiber optics, and computer servicing and troubleshooting. Students operate voltmeters, oscilloscopes, and other specialized equipment. Students will also receive instruction in programmable logic controllers and industrial motor controls. Students will build their own lab trainer, multi-meters, and other electronic projects. A prior course in algebra is helpful, but not required.		
Heavy Equipment Repair Technology	3.00	10, 11, 12
This program prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. 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.		

HVAC Technology	3.00	10, 11, 12
This is an instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric, electronic and pneumatic control systems.		
Machine Tool Technology	3.00	10, 11, 12
Blueprint reading, understanding instructions, and mental alertness, with good eye-hand coordination are necessary ingredients for the machine tool technology area. Machine work includes: lathe, milling machine, heat-treating, bench work, drill press, grinder, and band saw. In addition, the student is exposed to a computerized numerically controlled (CNC) milling machine and a computerized turning center. This enables the student to learn current technology as it relates to computer-controlled machinery.		
Natural Resources	3.00	10, 11, 12
A combination of subject matter and planned learning experiences dealing with conservation and natural resources such as air, forests, soil, water, fish, and plants, are part of this course. Students are able to explore careers in horticulture, landscaping, recreational land use, environmental protection, and a variety of related careers. The main areas of the program are: landscaping, horticulture, and greenhouse operation.		
Protective Services	3.00	10, 11, 12
Students will also learn skills that enable them to walk-on to several entry-level jobs that are in high demand in our area and across the United States. Students will develop the mental, physical, and moral attributes to be successful in the Protective Services fields, including Law Enforcement, Fire, and Emergency Medical Services. Students will engage in a daily regimen of physical fitness and will be required to keep their uniforms along with appearance up to standard.		
Welding Technology	3.00	10, 11, 12
The course deals with blueprint reading, hand tools, brazing, using oxygen/acetylene torches, shielded metal arc (stick) welding, gas metal arc (M.I.G.), gas tungsten arc (T.I.G.) welding, and flux core arc welding (FCAW) in various test positions. The student will cut metals using a variety of cutting processes. Students will practice and have the opportunity to obtain certifications under American Welding Society codes. Safety is stressed throughout the course.		

Four Year Planning Guide (Non Vo-Tech Students)

Grade 9

English 9 _____

US History 9 _____

Math _____

Science 9 _____

PE/Health _____

Arts & Humanities _____

Elective _____

Grade 10

English 10 _____

US History 10 _____

Math _____

Science _____

PE/Driver's Ed _____

Arts & Humanities _____

Elective _____

Elective or Study Hall
(or Study Skills) _____

11th Grade

English 11 _____

World History 11 _____

Math _____

Science _____

PE _____

Elective _____

Elective or Study Hall _____

Elective or Study Hall
(or Study Skills) _____

12th Grade

English 12 _____

Econ/Gov't _____

Math _____

Science (Optional) _____

PE _____

Elective _____

Elective or Study Hall _____

Elective or Study Hall
(or Study Skills) _____

Four Year Planning Guide (Vo-Tech Students)

Grade 9

English 9 _____

US History 9 _____

Math _____

Science 9 _____

PE/Health _____

Arts & Humanities _____

Elective _____

Grade 10

English 10 _____

US History 10 (½ Credit) _____

Math _____

Biology _____

PE/Driver's Ed _____

VTC Course _____

11th Grade

English 11 _____

World History 11 (½ Credit) _____

Math _____

PE _____

VTC Course _____

Elective or Study Hall
(or Study Skills) _____

12th Grade

English 12 _____

Econ/Gov't _____

Math _____

PE _____

VTC Course _____

Elective or Study Hall
(or Study Skills) _____