Attach K-1F

Wellsboro Area High School

Course Reference Guide

2026 - 2027

The Wellsboro Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, handicap, or limited English proficiency in its activities, program or employment practices as required by Title VI, Title IX and Section 504.

For information regarding civil rights or grievance procedures and information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact the Superintendent, Title IX/Section 504 Coordinator, 227 Nichols Street, Wellsboro, PA 16901.

The above policy applies to all programs of the Wellsboro Area School District, regardless of the source of funds, and this policy is specifically operationalized in the school district's counseling program, course selection process, and testing program.

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The Wellsboro Area School District is in compliance with Section 438 of the General Education Provisions Act, which pertains to the Family Education Rights and Privacy Act. Educational records for all Wellsboro Area School District students are maintained according to the Educational Records Policy, which sets forth specific procedures to safeguard the confidentiality of student records.

Parents and eligible students are hereby notified of their right to inspect, copy, and request to amend the students' records according to the guidelines of the policy. Those interested in doing so should contact the students' principal or guidance counselor for an appointment.

The records policy is on file in the superintendent's office, the principals' offices, and the guidance counselors' offices, and may be inspected by appointment during school hours.

Independent Study

The Wellsboro Area School District policy regarding Independent Study is School Board policy #118. The policy states: The board will consider approval of a course of independent study for a properly qualified student as recommended by the Superintendent in order that such students may

- Extend the learning experience outside the classroom
- Develop judgment and self-reliance in the conduct of their learning experience
- Use community resources in their educational program
- Include a greater variety of learning experiences within the educational program
- Explore an area of particular interest with certified teacher
- Achieve personal goals
- Learn to base conclusions on research

INTRODUCTION

Wellsboro Area High School Course Reference Guide is provided for students, parents, and educators as a guide for course selections made by students during their high school careers. The guide includes courses that are available to all students, descriptions of those courses, prerequisites for taking certain courses, and example sequences within certain curriculum areas. These example sequences are intended only as models for students to examine as they make their choices. Students are asked to choose 8 credits each year in order to meet the 27-credit requirement by the end of their senior year.

USING THE REFERENCE GUIDE

Students should 1) read the descriptions of courses they are interested in, 2) gather information from counselors and teachers regarding the courses, and 3) make their selections during registration following the directions on the portal. As these selections are made, careful consideration should be given to academic preparation, student interest, career interests and prerequisite courses. 4) Students then print their selections and sign them and return to the teacher listed in the instructions. At any time if the student has questions about course selections, their school counselor and teachers are available to answer them.

SCHOOL COUNSELORS

Below are the emails of the school counselors and what names they work with. Please feel free to email or call them at 570-724-3547 with any questions throughout this process.

Mr. Matthew Rendos
(Students with last names that begin with A- L)
mrendos@wellsborosd.org

Mrs. Tanya Harmon
(Students with last names that begin with M-Z)
tharmon@wellsborosd.org

SCHEDULES

Schedules are mailed home in June and students then can make appointments with their school counselor to make necessary changes. **We ask that all changes be done by August 1, 2026.** A list of dates and times the counselors are available during the summer will be enclosed with the schedule.

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GRADUATION REQUIREMENTS

Students must successfully complete academic credits for graduation. All students are required to schedule and take **8 credits each year**. The following chart defines credit requirements for all students:

COURSE	CREDITS REQUIRED	COMMENT/REQUIRED
English	4	Every Student
Math	4	Every Student
Science	4	Every Student
Social Studies	4	Every Student
Arts/Humanities	2	Art Elective (.5), Music Elective (.5)
Health/Physical Education	2	Health required in 11th grade
Personal Finance	.5	Required for all 11th graders
Electives	6.5	

Credit Requirement - Class Level

10th	**7**
11th	**14**
12th	**21**
Graduation	**27**

Course Rotations

Each school year we will be rotating some courses on an even/ odd rotation to help smooth out some scheduling issues and allow for better planning of course sequence for students. Even or odd years are determined by the first number of the school year. For example, 20**25**-2026 will be an ODD year and 20**26**-2027 will be an EVEN year.

VALEDICTORIAN/SALUTATORIAN REQUIREMENTS

If you are competing for the Valedictorian and Salutatorian honor, you MUST have taken the following courses to be eligible:

Class of 2025 and 2026

English	Math		Social Studies	Science
9 Honors	Algebra II	Geometry	Honors World History	Foundations of Science
10 Honors	Geometry	Pre-Calc	Honors American History	Biology
11 Honors	Pre-Calc	AP Calc AB	Honors Government or AP Government	Chemistry
AP English and Comp	AP Calc AB	AP Calc BC	Need 1.0 credit of the following: Sociology (.5) AP Psychology (.5) DE Psychology (1.0)	Honors Physics or AP Physics

Class of 2027

English	Math		Social Studies	Science
9 Honors	Algebra II	Geometry	Honors World History	Earth Science
10 Honors	Geometry	Pre-Calc	Honors American History	Biology
11 Honors	Pre-Calc	AP Calc AB	Honors Government or AP Government	Chemistry
DE College Writing **and** DE College Literature	AP Calc AB	AP Calc BC	Need 1.0 credit of the following: Sociology (.5) AP Psychology (.5) DE Psychology (1.0)	1.0 of Advanced Science: AP Environmental AP Physics Honors Physics Advanced Chemistry (Chemistry 2) Advanced Biology

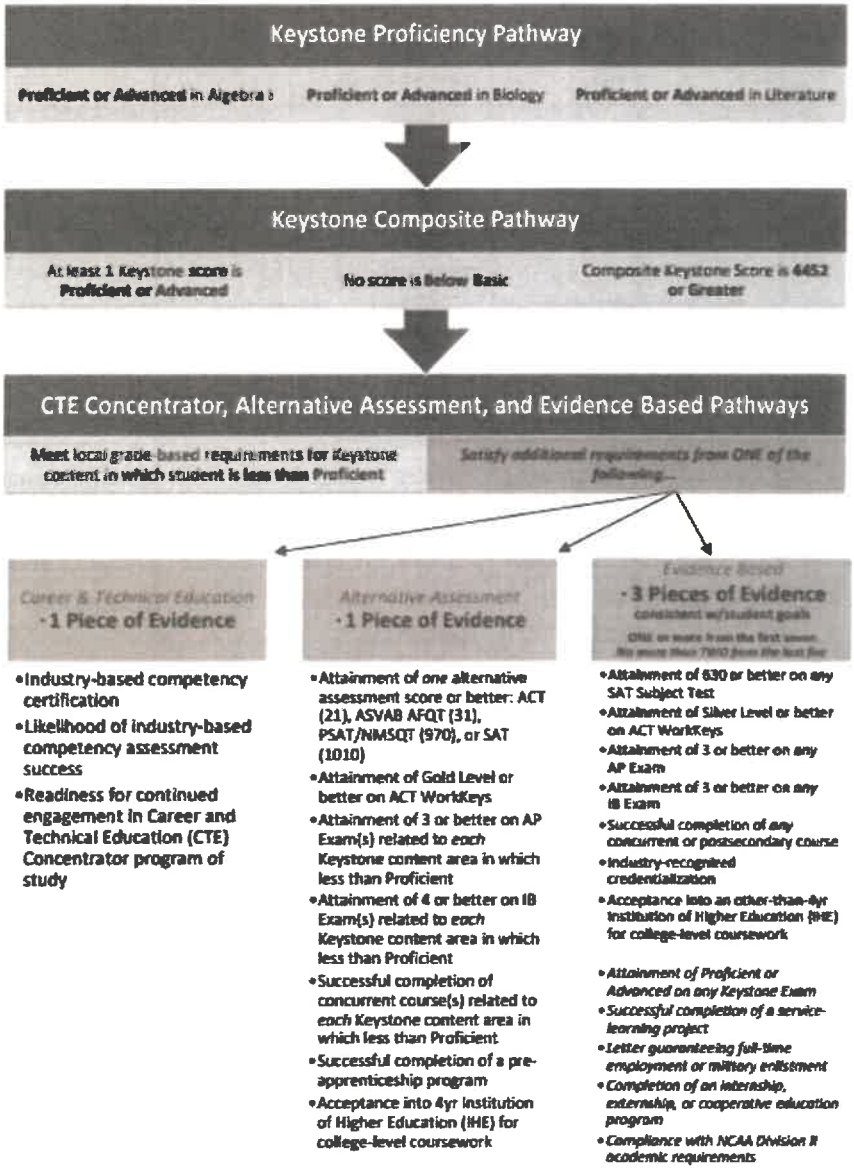
******Weighted GPA******

Weighted GPA will begin with the class of **2028**
AP/ Dual - 1.05 multiplier to all courses with this designation
Honors - 1.03 multiplier to all courses with this designation

PA ACT 158 GRADUATION PATHWAYS

Effective with the graduating class of 2023, students have the option to demonstrate postsecondary preparedness through one of four additional pathways that more fully illustrate college, career, and community readiness. Keystone Exams will continue as the statewide assessment Pennsylvania uses to comply with accountability requirements set forth in the federal Every Student Succeeds Act (ESSA). **Starting with the Class of 2023**, the following options exist to meet the statewide graduation requirements:

Act 158 Pathway Graphic



NCAA Course Regulations for Student Athletes

If participating in college athletics is a possible future consideration, it is important for you to read and understand the following information.

To be successful in college, students need to be prepared for college coursework. In Division I and Division II, the NCAA sets academic initial-eligibility standards that take into account GPA, standardized test scores, core courses taken in high school and the grades earned in those core courses. Division III schools hold student-athletes to the same overall standards for the institution in which they're enrolling.

All student-athletes also must meet the unique acceptance requirements of the college or university they plan to attend (which may exceed NCAA standards).

	Division I	**Division II**
English Core	4 years	3 years
Math Core – Algebra I or higher	3 years	2 years
Science Core – one year with lab	2 years	2 years
Social Studies Core	2 years	2 years
Additional Core Courses -English, Math or Science	1 year	3 years
Additional Academic Core Courses (English, Math, Science, Social Studies) -OR- World Language, Computer Science, or non-doctrinal religion	4 years	4 years
Total Core Units Required	16	16

If you have any questions about the academic standards, you can contact the high school counselor, athletic director or call the NCAA eligibility hotline at (877) 262 – 1492. For further details about the conditions for initial eligibility, refer to one of the following websites:

www.ncaa.org

www.eligibilitycenter.org

KEY INFORMATION ABOUT ACADEMICS

Course Change Process

All schedule changes are expected to be completed **during the summer months, prior to the first day of school**. Once the school year begins, there will be a **10-day window** during which any final schedule adjustments may be made.

Please be advised of the following:

- **No online class can be taken if face to face fits into the schedule**
- **No changes from an in-person class to an online class** will be permitted after the 10-day window has closed.
- **Any course dropped after the 10-day window** will result in a **Withdraw ("W")** being recorded on both the **report card and the official transcript**.

We strongly encourage students and parents to review schedules carefully during the summer and to contact the counseling office early should any changes be necessary. Adhering to these timelines ensures accurate scheduling and supports a smooth start to the academic year.

Honor Roll

Distinguished Honor Roll and Honor Roll will be determined using the student's 9-week grades in each course. The grade reported in percentage form for each course will be multiplied by its credit value. These products will be added together and then divided by the total number of credits. This quotient will be the GPA percentage. Any student receiving a score equal to or below 76.999% in any course is not eligible for the Distinguished Honor Roll or Honor Roll. Students earning the classification of Distinguished Honor Roll must have a GPA percentage of 93 or greater. Students earning a classification of Honor Roll must have a GPA within the range of 85% and 92.999%.

Accelerated Graduation

Accelerated graduation is possible for students who desire an intense schedule with early graduation as their goal. This is accomplished through advanced planning with the approval of the administration and the support of parents, teachers and school counselors. Candidates for the accelerated graduation are expected to maintain a grade point average of 3.0 with no failing grades in any subject and proficiency or advanced on the keystones.

Transcripts and Letters of Recommendation

Students and parents, after requesting transcripts or letters of recommendation, please allow at least 10 school days for processing and mailing. We cannot guarantee delivery by your deadlines for requests that are submitted late. Please be mindful of due dates for major college, scholarships, or program deadlines.

Advanced Placement (AP): AP courses are offered in 11th and 12th grades and those wishing to take the Advanced Placement test must pay a fee, roughly $99.00. Financial aid may be requested.

Credit Recovery

Throughout the school year, school counselors, administrators, students and parents will review student progress towards graduation. Students who have failing grades in a core area will need to retake a course(s) in order to earn credit toward graduation.

Students are able to gain credit if they have previously completed a course but did not successfully earn credit. These courses will be listed on the student transcript as CREDIT RECOVERY (CR). The credit recovery courses will not be calculated in Honor Roll, GPA or Class Rank.

TESTING PROGRAMS

Keystone Local Assessment

All students are **required** to take the Keystone exams in Algebra I, Biology, and Literature at the completion of the course. All students must be done testing by the end of their junior year.

PSAT

The PSAT/NMSQT is the Preliminary SAT/National Merit Scholarship Qualifying Test. The PSAT is a great primer for the SAT, and even the ACT, but it's more than just a trial run. PSAT scores are used to identify National Merit Scholars and award merit scholarships. More than 3.4 million high school students (administered to juniors for free and sophomores for a fee) take this nationwide, multiple-choice test every year.

SAT

The SAT is a college entrance examination created by the College Entrance Examination Board. Like the PSAT, the SAT is a standardized test which measures knowledge and skills that have been identified as most important for college and career readiness and success. The SAT consists of 2 sections: Evidence-Based Reading & Writing and Math. The SAT is offered seven times annually. Wellsboro Area High School is a test site three times per year, check sat.org for exact dates. Students can test at other local schools on the other testing days if they choose. The SAT is always administered on a Saturday. A listing of local testing sites and dates is available in the School Counseling Office. Students register for the SAT online at https://www.collegeboard.org. A photograph is required for registration. Students must print their admission ticket and have it with them at the time of testing. Students must also have appropriate photo identification even if testing at WAHS. When registering, students should be sure to include the WAHS school code (also called the CEEB code) of 395-135. If a student neglects to give this information, we will not receive their scores.

ACT

The ACT is a national college admission examination that consists of subject area tests in English, Math, Reading, and Science. They offer Writing as an optional testing category. The SAT is more commonly used in our region; however, either test is typically accepted at most colleges throughout the country. Students sometimes opt to take the ACT to present other strengths not covered on the SAT. Wellsboro Area High School is not an ACT test site; however, it is given nearby for all six administrations. A listing of local testing sites and dates is available in the School Counseling Office. Students must register for the ACT online at www.actstudent.org. A photograph is required for registration. Students must print their admission ticket and have it with them at the time of testing. Students must also have appropriate photo identification when testing. When registering, students should be sure to include the WAHS school code of 395-135. If a student neglects to give this information, we will not receive their scores.

ASVAB

Students in 10th through 12th grade can elect to take the Armed Services Vocational Aptitude Battery (ASVAB). Students sign up through the School Counseling Office. The test is administered once a year at WAHS in November. This assessment measures aptitudes in areas such as word knowledge, arithmetic reasoning, general science, and mechanical comprehension. The ASVAB measures aptitudes that are related to success in different jobs and occupations. The assessment is scored in a manner that informs students of their abilities and readiness to become proficient in ten separate types of activities. ASVAB results are returned to participating students in a feedback session facilitated by a representative from Harrisburg.

An additional part of the ASVAB includes career exploration. The career exploration portion of the ASVAB is especially valuable in that it helps students identify areas for career exploration. The "Exploring Careers" workbook is used with this portion of the ASVAB. This workbook enables the test taker to compare personal interest (established through an interest inventory), with personal preferences, to explore over 200 types of different occupations. This information is utilized to help the student further explore his or her career interests.

Advanced Placement Exam (AP): AP courses are offered in 11th and 12th grades and those wishing to take the Advanced Placement test must pay a fee, roughly $99.00. Financial aid may be requested. Students in Advanced Placement courses have the option to take the corresponding AP examination at the end of the course. WAHS has AP courses in Physics, English, Government & Politics: US, Calculus AB, Calculus BC, Psychology and Environmental Science– each AP Exam contains a free-response section (either essay or problem solving) and a section of multiple-choice questions. Each AP Exam is given an overall grade of 1, 2, 3, 4, or 5, with 5 indicating a student who is extremely well qualified to receive college credit and/or advanced placement based on an AP Exam grade. Most colleges require that a student earn a grade of 3 or higher to be considered for college credit. Students are responsible for the cost of the test. The tests are administered in the month of May, during the normal school day. Results of the AP Exams are made available in July. Students are informed of the upcoming test through their AP classroom teacher. Tests are coordinated through the School Counseling Office for those students who test. More information about AP is available at https://apstudent.collegeboard.org/exploreap

NOCTI

The Pennsylvania Department of Education requires that all secondary students concentrating in or completing a career and technical education (CTE) program participate in occupational competency testing. The testing program mandated by PDE is the National Occupational Competency Testing Institute (NOCTI). At WAHS, Carpentry/Carpenter Construction, Culinary Arts, Engineering, Agriculture Mechanics, and General Agriculture must take the NOCTI. Students required to participate are informed by their classroom teacher. In addition, a letter is sent home to parents informing them of their student's participation. Students will have the opportunity to earn a Pennsylvania Skills Certificate, if they score at the Advanced Level on all portions of the exam. Students scoring at the Competent Level will earn a Certificate of Competency. NOCTI testing takes place at the end of April each year.

HOW TO USE THE COURSE GUIDE

Key to Reading this Course Reference Guide

The information on the following pages is provided to describe each of the courses offered at our high school; and where appropriate, additional information has been listed on a subject-by-subject basis. The following terms are used in the course guide:

Credit Type indicates whether a course is a core or elective course.

Credit Hours assigned to the course, typically the number of periods in a full year course or indicated if a course is less than a full year.
(Examples: Full Year = 1.0 / Semester = 0.5)

Added Value the weight assigned to the course. This is what determines the difficulty of the course and is used to calculate class rank. Class rank compares the academic quality of a student's work to that of other classmates.

IEP Team For some courses, the guide indicates that students need recommendations from the IEP team in order to take the course. IEP stands for Individualized Education Plan, and students who receive special education services will work with the team of educators and parents to consider courses marked this way.

Key Icons

NCAA	Indicates a course meeting NCCA requirements.
PENN COLLEGE NOW	Indicates a course with potential dual enrolment credit from Pennsylvania College of Technology.
LC	Indicates a course with potential dual enrollment credit from Lackawanna College.
	Indicates a course with potential dual enrollment credit from Commonwealth University (Bloomsburg, Mansfield and Lock Haven)

DUAL ENROLLMENT COURSES

Dual Enrollment (DE): There will be three options for Dual Enrollment at WAHS this year. There are specific criteria that students need to meet in order to be eligible to take these courses. Dual Enrollment courses have a fee structure associated with them if the student desires college credit. If interested in any of these courses, please contact the guidance office. ***One Dual Enrollment class or AP class will be paid for by the district as long as the student passes the class. Financial assistance is available, please let the guidance office know if assistance is needed.***

Lackawanna College: credit offered at a reduced tuition rate, juniors and seniors may elect to take these courses, these courses will be scheduled into their high school schedule. Payment is required by the first day of school for students enrolling in these courses. If payment is not received within the first 10 days of the course, the student will be removed from the course. Courses that are taken through Lackawanna College will be taught at Wellsboro Area High School by Wellsboro Area High School faculty that have been approved as adjunct faculty by Lackawanna College.

Concurrent Courses offered at WAHS with WAHS instructors

Course Code	Course Name	University
8521	Intro to Psychology	Lackawanna
8359	College Algebra	Lackawanna
8157	College Writing	Lackawanna

Commonwealth/ Mansfield University ESP Program: credit offered at a reduced tuition rate, juniors and seniors may elect to take these courses, these courses will be scheduled into their high school schedule. The student will be responsible for the balances of the tuition and fees and meeting university payment deadlines. Students must register through MU and their online system. An information sheet can be obtained through the guidance office. These courses are subject to change based on Mansfield University offerings. Emails are sent to students when courses are available and signups are done online through Mansfield. Mansfield then notifies us of students who are taking courses.

Concurrent Courses offered at WAHS with WAHS instructors

Course Code	Course Name	University
8543MU	Dual Enrollment French	Commonwealth University
8548	Dual Enrollment Spanish	Commonwealth University
8155MU	Dual Enrollment College Writing and Literature	Commonwealth University
8213MU	Dual Enrollment World History	Commonwealth University
8227MU	Dual Enrollment American History t0 1877	Commonwealth University

Pennsylvania College of Technology PENN NOW Program: Penn College NOW students earn secondary credit and transcript, tuition free college credit concurrently. Qualified, approved secondary teachers work with Penn Now faculty to deliver courses. Penn Now is available to juniors and seniors with the recommendation of the guidance counselor which will help students register at Penn NOW. The dual enrollment opportunity saves tuition, time, builds confidence with college coursework and prepares students for college.

PCT Dual Enrollment Course Registration Online

Concurrent Courses offered at WAHS with WAHS instructors

Course Code	Course Name	WAHS Course	College
BCT103	Construction Hand & Power Tools	Carpentry Construction 3	Penn College
EET124	Engineering Technology & Society	Engineering 2	Penn College
FHD118	Sanitation	Culinary 2	Penn College
HRT101	Introduction to Ornamental Horticulture	Plant Science 1 or 2	Penn College
MTR104	Medical Terminology	Medical Terminology	Penn College

Dual Enrollment or Advanced Placement Reimbursement Procedure

First, the student registers for the eligible course or exam. Parents or guardians then pay the bill directly to the college for Dual Enrollment or to the Wellsboro High School Guidance Office for the AP exam and keep proof of payment, such as a receipt or cancelled check. After the student completes the course or exam, the parent or guardian submits documentation to the Guidance Office—an official grade report or transcript for Dual Enrollment, or a reimbursement request after the AP exam in May—to receive reimbursement.

ACADEMIC COURSE OPTIONS

English

4.0 CREDITS OF ENGLISH ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS

9th Grade	10th Grade	11th Grade	12th Grade
9 English	10 English	11 English	12 English
9 Honors English	10 Honors English	11 Honors English	DE College Writing DE College Literature

DE – Dual Enrollment

Course Name and Number	Credit Type	Credit	Weighted Value
9 English (8113)	ENG	1.0	

Course Description

Ninth-grade English covers major literary works across genres, emphasizing early American literature and introducing students to Shakespeare. Grammar skills are refined and applied in writing tasks, including individual and group projects, to prepare for the sophomore year Keystone literature exam.

Course Name and Number	Credit Type	Credit	Weighted Value
9 Honors English (8111)	ENG	1.0	1.03

Course Description Summer work included

In ninth-grade Honors English, students study major literary works, focusing on early American literature to prepare for 10th grade. They refine grammar, composition, and vocabulary skills, with admission criteria including a recommendation, a 93% average in 8th grade English, and completion of summer reading, setting the stage for success in the Keystone literature exam.

Course Name and Number	Credit Type	Credit	Weighted Value
10 English (8127)	ENG	1.0	

Course Description

Students will gear up for the PA Keystone Literature exam, tackling reading comprehension and written analysis of fiction and non-fiction, particularly focusing on American literature from the Civil War to the present. Emphasis will be on honing 21st-century skills and literacies for better understanding the world. Grammar, composition, and contextual vocabulary are also key areas. Selected readings may include Arthur Miller's "The Crucible" and John Steinbeck's "Of Mice and Men."

Course Name and Number	Credit Type	Credit	Weighted Value
10 Honors English (8121)	ENG	1.0	1.03

Course Description Summer work included

This course aims to equip students with essential 21st century skills needed for success beyond high school, using American literature from the Civil War onwards. Through various methods like inquiry-based learning and projects, students will enhance global awareness, language literacy, and collaboration. They'll also prepare for the PA Keystone Literature exam. **Prerequisites include success in 9th-grade English, teacher recommendation, and completion of summer reading tasks.**

Course Name and Number	Credit Type	Credit	Weighted Value
11 English (8137)	ENG	1.0	

Course Description
This class covers English literature from Old English to Middle English periods, teaching reading strategies and analyzing major works. American authors like Emily Dickinson are included. Texts studied range from Anglo-Saxon poetry to Macbeth. Composition includes creative writing and practical skills like email and resume writing.

Course Name and Number	Credit Type	Credit	Weighted Value
11 Honors English (8131)	ENG	1.0	

Course Description Summer work included
This course covers British literature from Old English to the twentieth century, emphasizing major authors like Chaucer, Shakespeare, and the Romantics. It focuses on writing skills, including sentence structure, grammar, and essay writing for college-level essays. Students practice annotated bibliographies and engage in discussions, oral interpretations, and dramatic presentations. The Honors curriculum includes summer readings of British texts with writing assignments.

Course Name and Number	Credit Type	Credit	Weighted Value
12 English (8148)	ENG	1.0	

Course Description
This course emphasizes writing, literature, and vocabulary. It covers various writing forms, improving structure and word choice, and teaches APA research paper writing. Literature study focuses on comprehension and enjoyment.

Course Name and Number	Credit Type	Credit	Weighted Value
Journalism (8150)	HUM	.5	

Course Description – ODD YEARS
In this course, students contribute to The Hornet Herald, our school newspaper, while learning to gather, assess, create, and present news and information in an unbiased format. The course accommodates various schedules to ensure students can participate. Throughout the semester, students cover sports, weather, special interest stories, editorials, and more.

Course Name and Number	Credit Type	Credit	Weighted Value
Creative Writing (8152)	HUM	.5	

Course Description – EVEN YEARS
This writing workshop course helps students improve their skills through diverse prompts like short stories, essays, poetry, and plays. Emphasis on the writing process, including peer reviews and revision, leads to polished final drafts. Ideal for students seeking to enhance their writing abilities.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment College Writing (8157)	ENG	.5	1.05

Course Description – ODD YEARS
This college course offers real credit and prepares students for freshman composition. Completion qualifies for Lackawanna College credit, transferable to any university. It focuses on academic writing, culminating in a documented research project.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment College Writing and Literature (8155MU)	ENG	1.0	1.05

Course Description –
College Writing focuses on composition, with students completing five essays, including a research paper. It covers essential skills like argumentation and essay organization, including discussions and peer editing. This is Writing 103 at Commonwealth University.

College Literature delves into diverse genres like fiction, poetry, drama, and creative nonfiction. Students master comprehension, conduct literary analysis, and critically engage with readings through discussions and written arguments. This is English Literature 151 at Commonwealth University.

Course Name and Number	Credit Type	Credit	Weighted Value
PSAT / SAT Preparation	ELEC	.5	

Course Description
The PSAT course serves as an excellent introduction to the SAT and ACT, but it offers more than just practice. Mandatory in the junior year, PSAT scores identify National Merit Scholars and merit scholarship recipients. Consider this course a vital tool on your college admissions journey.

Social Studies

4.0 CREDITS OF SOCIAL STUDIES ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS

9th Grade	10th Grade	11th Grade	12th Grade
World History	American History	Government & Economics	AP Government
Honors World History	Honors American History	Honors Government & Economics	AP Psych
		AP Government	Additional Courses
			Additional Courses

AP – Advanced Placement

Course Name and Number	Credit Type	Credit	Weighed Value
World History (8213)	HIST	1.0	

Course Description

The 9th Grade World History course encourages students to explore and address 21st-century issues through the study of the Modern Era. Each 9-week unit connects world events to common themes, fostering independent inquiry and inspiring creative problem-solving.

Course Name and Number	Credit Type	Credit	Weighted Value
Honors World History (8209)	HIST	1.0	1.03

Course Description

Our course fosters inclusive, rigorous classrooms where students explore World History to understand and address 21st-century issues. Covering 1750 to the Modern Era, each unit focuses on a common theme, inspiring creative problem-solving for a better future.

Course Name and Number	Credit Type	Credit	Weighted Value
American History (8227)	HIST	1.0	

Course Description
This course explores US History (1750-Modern Era) through inquiry-based learning, focusing on themes connecting historical events to contemporary issues. Students develop as independent learners, applying lessons from the past to creative problem-solving for a better future.

Course Name and Number	Credit Type	Credit	Weighted Value
Honors American History (8221)	HIST	1.0	1.03

Course Description
This course examines American history and culture from 1770 to the present, focusing on key concepts rather than memorization. Divided into eight units, it emphasizes critical thinking and includes various writing assignments. Honors students must maintain a 90% GPA in Social Studies and actively participate in class discussions. Time management is crucial for success.

Course Name and Number	Credit Type	Credit	Weighted Value
Honors Government & Economics (8235)	HIST	1.0	1.03

Course Description
This course offers an in-depth exploration of the American government's workings at the national level. Covering political institutions, processes, and key issues, it analyzes topics from political power and the Constitution to civil rights, foreign policy, and economics. Prerequisite: 90% GPA in previous Social Studies coursework. It serves as an alternative to Government 8231.

Course Name and Number	Credit Type	Credit	Weighted Value
AP Government (8233)	HIST	1.0	1.05

Course Description – ODD YEARS Summer work included
AP United States Government and Politics offers a college-level exploration of key political concepts and institutions in the U.S. Students analyze foundational documents, Supreme Court decisions, and other texts to understand political behavior. They develop evidence-based arguments and engage in applied civics or political research projects. Successful completion may result in college credit based on the AP Government Exam. Prerequisite: 93% GPA in previous Social Studies coursework.

Course Name and Number	Credit Type	Credit	Weighted Value
Government & Economics (8231)	HIST	1.0	

Course Description

This course delves into the structure and functions of the federal government, emphasizing its executive, legislative, and judicial branches within the framework of the Constitution. Students also study Pennsylvania's state and local government. The importance of informed citizenship and the practical application of government theories to current events are emphasized, alongside an overview of key economic concepts including resource allocation and banking operations.

Course Name and Number	Credit Type	Credit	Weighted Value
Sociology (8243)	HIST	.5	

Course Description

This course delves into sociology, exploring how society shapes individuals and vice versa. It focuses on contemporary social issues such as gender, culture, and race, emphasizing their impact on both individuals and society. Through an applied approach, students connect sociological concepts to everyday life.

Course Name and Number	Credit Type	Credit	Weighted Value
Applied Psychology (8244)	HIST	.5	

Course Description

Psychology is the study of human behavior and mental processes. In this introductory applied course, a variety of topics are presented including memory, learning, personality, stress and coping, hunger/eating, sleeping/dreaming, psychological disorders, social behavior, and other related issues that arise in current events. Many misconceptions about psychology are identified and corrected. The course takes an applied approach to the study of psychology so that the student can "see" these concepts in his/her everyday life.

Course Name and Number	Credit Type	Credit	Weighted Value
Justice Education (8246)	HIST	.5	

Course Description

This is an introductory course into our legal system, focusing primarily on criminal law. Areas of emphasis in the criminal area include crimes against the person, property crimes, criminal defenses, and criminal procedures. Current events related to the criminal justice system are also a major focus. An additional part of the course is a voluntary program for students to accompany an officer of the Wellsboro Police Department on a two-hour "Ride Along," as well as a field trip to the Tioga County Courthouse, Emergency Communications Center, and Tioga County Prison.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment Psychology (8251)	HIST	.5	1.05

Course Description

Dual Enrollment Psychology provides both high school and college credit upon successful completion. It's a college-level introductory course with a focus on independent study. Topics include psychology's history, research methods, memory, learning, personality, lifespan development, social behavior, psychological disorders, mental health therapy, and scholarly research.

Course Name and Number	Credit Type	Credit	Weighted Value
AP Psychology (8252)	HIST	1.0	1.05

Course Description

AP Psychology offers an in-depth exploration of behavior and mental processes, including concepts like motivation, emotion, and cognition. The course prepares students for the AP exam, which, if passed, may earn them college credits. Prerequisite: Minimum GPA of 90% or recommendation from previous Social Studies teachers.

Course Name and Number	Credit Type	Credit	Weighted Value
Crimes, Criminals and Courts (8255)	HIST	.5	

Course Description

This course blends Psychology, Sociology, and Justice Education for students interested in the criminal justice system. Topics include FBI procedures, criminal profiling, causes of criminal behavior, psychological disorders, police procedures, criminal investigation, forensics, real crime cases, and current events. Open to juniors and seniors who completed a social science elective and passed 10th or 11th grade English.

Course Name and Number	Credit Type	Credit	Weighted Value
Recent U.S History	HIST	1.0	

Course Description

This course is designed to give students an in-depth look into Modern US History that has shaped how our country operates today in all aspects. American life, politics, economics, and culture will be explored. The course will cover history from post-World War II in 1945, to the present-day United States.

Course Name and Number	Credit Type	Credit	Weighted Value
Sports and Social Sciences (8239)	HIST	1.0	

Course Description

This course explores a broad range of social science topics, including psychology, sociology, criminal justice, history, world cultures, and politics, using sports as examples. It covers themes like race, gender, violence, media influence, motivation, technology, health, coaching, superstitions, advertising, substance use, gambling, group dynamics, youth sports, and performance anxiety. Emphasis is placed on current events and ethical issues in sports, along with media evaluation. Open to juniors and seniors who completed (or are enrolled in) a social science elective and passed 10th or 11th grade English.

Course Name and Number	Credit Type	Credit	Weighted Value
Film and Society (8212)	HIST	1.0	

Course Description

This course will expose students to sociological content within contemporary feature films. This will be an opportunity for students to develop a better sociological understanding through the viewing, discussion, and analysis of select films. The course will be heavily discussion-based. Topics addressed will include family, work, race, gender, and culture. Students will also have the opportunity to complete an individual film analysis project and presentation at the conclusion of the course. **All enrolled students will be required to have a parent permission form completed before any films can be viewed in class.**

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment World History (8213)	HIST	.5	1.05

Course Description

A global survey of the evolution of societies from prehistory to the early modern era. It covers the history of not only Europe and the Mediterranean basin, but also Africa, Asia and the Americas. Recurrent themes include migration, sedentism, community, gender, belief systems, culture, politics, economy, conflict, environment, technology, and catastrophe and collapse.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment American History to 1877 (8227)	HIST	.5	1.05

Course Description

Explores the founding and growth of the American Republic from the pre-Columbian era to the end of Reconstruction. Major topics include: the peoples and societies of early America; the American Revolution and early republic; the foundations and development of American government and the meaning of citizenship; national growth and struggles to expand rights and liberty to more Americans; sectional conflict; Civil War; and Reconstruction.

ACADEMIC COURSE OPTIONS

Math

4.0 CREDITS OF MATH ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS

9th Grade	10th Grade	11th Grade	12th Grade
Pre – Algebra	Algebra I -or- Algebra IMI or Algebra IMII	Algebra II -or- Honors Algebra II	Geometry -or- Honors Geometry
Algebra I	Algebra II -or- Honors Algebra II	Geometry -or- Honors Geometry	Pre-Calculus -or- Honors Pre-Calculus
Algebra II -or- Honors Algebra II	Geometry -or- Honors Geometry	Pre-Calculus -or- Honors Pre-Calculus	Calculus -or- AP Calculus
Geometry	Pre-Calculus -or- Honors Pre-Calculus	AP Calculus	AP Calculus BC
		Additional Courses	Additional Courses

AP – Advanced Placement

Only one sequence of accounting can count as a math credit. Accounting I or Accounting II

Course Name and Number	Credit Type	Credit	Weighted Value
Pre-Algebra (8311)	Math	1.0	

Course Description

Our Pre-Algebra course is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course emphasizes the concepts necessary to be successful in Algebra I and II. The course helps students develop good mathematical study skills and learning strategies.

Course Name and Number	Credit Type	Credit	Weighted Value
Algebra I (8351)	Math	1.0	

Course Description

Algebra I teaches practical math skills for daily life, from budgeting to planning. It sets the stage for future math courses while linking past knowledge to new challenges. Following Pennsylvania standards, students tackle real-world problems, preparing for careers in science, architecture, and engineering. Success here boosts personal independence and opens doors to exciting opportunities in today's tech-driven world. Completing this course leads to the Algebra I Keystone Exam.

Course Name and Number	Credit Type	Credit	Weighted Value

Algebra I-M-I (8351M1)	Math	1.0

Course Description

Algebra 1A introduces key content and problem-solving strategies for success on the Algebra 1 Keystone Exam, covering about half of its material. Aligned with Pennsylvania Common Core Mathematics Standards, it focuses on real number operations, equations, and inequalities in real-life contexts. This course, designed as a precursor to Algebra 1B, is a prerequisite for it. While the Algebra 1 Exam isn't taken upon completion, students must proceed to Algebra 1B. **Prerequisite: Pre-Algebra**

Course Name and Number	Credit Type	Credit	Weighted Value
Algebra I-M-II (8351M2)	Math	1.0	

Course Description

Algebra 1B continues the preparation for the Algebra 1 Keystone Exam, focusing on real-life problem-solving using systems of equations and inequalities. It builds on algebraic skills needed for future courses and careers in science and engineering. This course follows Algebra 1A and precedes advanced algebra. **Prerequisites: Pre-Algebra and Algebra IA**

Course Name and Number	Credit Type	Credit	Weighted Value
Algebra II (8353)	Math	1.0	

Course Description

Mathematics enhances critical thinking, vital for teamwork and real-life problem-solving. Algebra is foundational for careers in math and sciences. Algebra 2 covers practical concepts like function families, quadratic equations, and more, with hands-on activities and technology integration. Graphing calculators and computers are utilized in each unit. **Prerequisites: Algebra I**

Course Name and Number	Credit Type	Credit	Weighted Value
Honors Algebra II (8355)	Math	1.0	1.03

Course Description

Algebra II enhances critical thinking skills essential for teamwork and real-world problem-solving. It's crucial for careers in math and sciences. This course covers function families, quadratic equations, and more, integrating hands-on activities and technology. Honors Algebra II offers deeper critical thinking. **Prerequisites: Algebra I**

Course Name and Number	Credit Type	Credit	Weighted Value

Algebra III (8337)	Math	1.0

Course Description

This course readies senior-level students for freshman college algebra or math courses in trade school. It enhances algebraic equation solving and geometry skills while introducing trigonometry of circles and its applications. Topics include trigonometric and polynomial functions, circular measure, and graphing. While less rigorous than Precalculus, it covers similar topics. **Prerequisites: Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value
Geometry (8323)	Math	1.0	

Course Description

Geometry teaches logical thinking through shapes, revealing practical applications and surprising facts. Students prove these using geometric definitions, postulates, and theorems. They explore segments, angles, lines, triangles, and more, calculating areas and volumes for real-world use. They also learn about transformations and right triangle trigonometry, laying the foundation for advanced math and sciences. **Prerequisites: Algebra I and Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value
Honors Geometry (8323H)	Math	1.0	1.03

Course Description

Geometry teaches logical thinking through shapes, revealing practical applications and surprising facts. Students prove these using geometric definitions, postulates, and theorems. They explore segments, angles, lines,triangles, and more, calculating areas and volumes for real-world use. They also learn about transformations and right triangle trigonometry, laying the foundation for advanced math and sciences. Honors Geometry offers a fast-paced, rigorous exploration of applications requiring synthesis and deeper analytical thinking. Honors Geometry will be fast paced and a rigorous course exploring applications that require synthesis of previous knowledge and deeper analytical thinking. **Prerequisites: Algebra I and Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value
Pre-Calculus (8333)	Math	1.0	

Course Description

Precalculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. **Prerequisites: Algebra II and Geometry**

Course Name and Number	Credit Type	Credit	Weighted Value

Honors Pre-Calculus (8333H)	Math	1.0	1.03

Course Description

Precalculus integrates algebra, geometry, and functions, laying the groundwork for calculus. Emphasizing mastery of critical skills, it prepares students for advanced math. This fast-paced, rigorous course delves deeply into Pre-Calculus topics and covers additional subjects like matrices, conics, and elementary calculus. **Prerequisites: Honors Algebra II and Honors Geometry**

Course Name and Number	Credit Type	Credit	Weighted Value
Calculus (8342)	Math	1.0	

Course Description

Calculus is designed to give students an overview of Calculus topics such as limits and continuity, derivatives, anti--derivatives, integrals and differential equations. This course is designed to prepare students for Calculus 1 at the college level. **Prerequisites: Pre-Calculus**

Students taking AP Calculus courses are required to take the exam that follows the instruction. The students must pay $99 (subject to change) for the exam prior to the start of the class. Financial aid may be requested.

Course Name and Number	Credit Type	Credit	Weighted Value
Advanced Placement Calculus AB (8344)	Math	1.0	1.05

Course Description

AP Calculus AB is the study of limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus. Consistent with AP philosophy, concepts will be expressed and analyzed geometrically, numerically, analytically, and verbally. Students must take the AP Exam at the end of this course. **Prerequisites: Pre- Calculus**

Course Name and Number	Credit Type	Credit	Weighted Value
Advanced Placement Calculus BC (8357)	Math	1.0	1.05

Course Description

AP Calculus BC is an advanced mathematics course requiring a strong foundation in functions, their characteristics, behaviors, and graphs. Familiarity with polar functions and series is recommended. Topics include Limits, Derivatives, Applications of Derivatives, Antidifferentiation, Integrals, Differential Equations, Infinite Series, Convergence Tests, Taylor Polynomials, Parametric Equations, Vectors, and Polar Functions, with numerous real-world applications. Students will work independently at a college-level pace. **Prerequisites: AP Calculus AB**

Course Name and Number	Credit Type	Credit	Weighted Value

Probability and Statistics (8346)	Math	1.0

Course Description

This course introduces probability and statistics, essential for college and career readiness. Students learn data analysis, probability theory, and statistical tests using computer software. They explore real-world data from various fields. **Prerequisites: Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment College Algebra (8359)	Math	.5	1.05

Course Description – ODD YEARS

This college-level course readies students for further math study, beginning with intermediate algebra concepts and advancing to college algebra topics. It covers algebra, problem-solving, factoring, linear functions, systems of equations, polynomials, rational expressions, radicals, quadratic equations, exponential and logarithmic functions, and graphing techniques. The accelerated pace requires students to dedicate time outside class to master the material. Successful completion may earn both high school and college credit through Lackawanna College.

ACADEMIC COURSE OPTIONS

Science

4.0 CREDITS OF SCIENCE ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS

9th Grade	10th Grade	11th Grade	12th Grade
Earth Science -or- Biology	Biology -or- Elective Science	Elective Science	Elective Science

Elective Science Options

Advanced Biology	Chemistry I	Science and Technology in Society	Natural Resource Management
Environmental Science	Honors Physics	Physics	Plant Science and Horticulture I
AP Environmental Science	Chemistry II	AP Physics I	Plant Science and Horticulture II
		Animal Science I	Animal Science II

AP – Advanced Placement

Course Name and Number	Credit Type	Credit	Weighted Value
Earth and Space Science (8611)	SCI	1.0	

Course Description

In this course students will investigate the geological processes occurring above and below the surface of the earth. The major theme of earth science is change throughout the Earth's closed system. This course explains the concepts of weather, climate, rocks, minerals, internal processes of the earth, glaciation and the oceans.

Course Name and Number	Credit Type	Credit	Weighted Value
Biology with lab (8627)	SCI	1.5	

Course Description

Course is aligned to the curriculum and requirements of the PDE Keystone assessment. Major topics of interest include; biochemistry, cell structure and function, bioenergetics (photosynthesis & cellular respiration), genetics, and evolution. **Prerequisites: Earth Science or a proficient score or higher on early entry exam**

Course Name and Number	Credit Type	Credit	Weighted Value
Chemistry I with lab (8631)	SCI	1.5	

Course Description

Chemistry 1 examines how the composition and properties of atoms and molecules interact to cause chemical reactions. Key topics of study within this course include: matter,atoms/molecules, the periodic table, chemical bonding, chemical quantities, chemical reactions, and basic stoichiometry.
Prerequisite: Biology, Algebra I

Course Name and Number	Credit Type	Credit	Weighted Value
Chemistry II with lab (8653)	SCI	1.5	

Course Description

Chemistry II provides students with a deeper understanding of topics covered in Chemistry I. Additional topics within this course include: advanced concepts in quantum mechanics, advanced chemical bonding, VSPER theory, intermolecular forces, advanced chemical reactions and stoichiometry, thermodynamics, electrochemistry, equilibrium, kinetics and nuclear chemistry. **Prerequisites: Chemistry I and Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value

Advanced Biology (8633)	SCI	.5

Course Description

This biology course is designed for students who are interested in majoring in Biology for their post-high school experience. Biology is a broad and ever-changing field of study composed of many subdisciplines. This course is designed to combine the multiple disciplines of Biological Principles, Microbiology, and Human Anatomy and Physiology. Students will implement the fundamental skills needed for an introductory course of a college level Biology. Emphasis is placed on developing skills used in a lab setting. **Prerequisites: Biology, Chemistry, Env Science(Concurrently) and Probability and Statistics**

Course Name and Number	Credit Type	Credit	Weighted Value
Science and Technology in Society (8624)	SCI	1.0	

Course Description

Using a topic-based approach, students in this course will learn about concepts from content areas such as physics, chemistry, environmental science, and engineering. Examples of topics of study include: plastic production and plastic waste, the internal combustion engine and alternative fuels, environmental engineering and water chemistry, vehicle safety, household energy production, and cell phones.

Course Name and Number	Credit Type	Credit	Weighted Value
Physics with lab (8641)	SCI	1.5	

Course Description

Topics of study include kinematics, dynamics, projectile and circular motion, momentum and energy, mechanical waves, sound, optics and electricity and magnetism. Considerable time is spent in problem-solving and laboratory investigation. **Prerequisite: Algebra II**

Course Name and Number	Credit Type	Credit	Weighted Value
Honors Physics with lab (8643)	SCI	1.5	1.03

Course Description

In this course of basic principles of classical physics, the student will utilize modern technology in the form of motion sensors, photogates, force sensors and graphical analysis software to quantitatively analyze experimental data. Topics of study include forces and Newton's laws, 1D and 2D motion, momentum, energy, and electricity. Good problem-solving skills are a must for successful completion of this course. **Prerequisites: Algebra II, Pre-Calculus (can be taken concurrently)**

Course Name and Number	Credit Type	Credit	Weighted Value
AP Physics I (8645)	SCI	1.5	1.05

Course Description

AP Physics I is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work. Topics of study include forces and Newton's laws, 1D and 2D motion, momentum, energy, and electricity. This course is intended for students who are interested in pursuing a degree in engineering or the sciences and/or have an interest and aptitude in science and mathematics. College credit can be earned with a qualifying score on the AP exam. **Prerequisite: Pre-calculus**

Course Name and Number	Credit Type	Credit	Weighted Value
AP Physics C (8645C)	SCI	1.0	1.05

Course Description

AP Physics C is a calculus-based, college-level physics course. This course will prepare students to take the AP Physics C: Mechanics exam. Topics that are covered include kinematics, forces, energy, momentum, torque and rotational dynamics, and oscillatory motion. Students will also be introduced to the foundational concepts of electricity and magnetism and have the option of taking the AP Physics C: Electricity and Magnetism exam. This course is applicable for students who are interested in entering the fields of engineering, physics, or chemistry. **Students must have previously taken AP Physics I or Physics (with teacher approval) and have completed or are currently enrolled in AP Calculus.**

Course Name and Number	Credit Type	Credit	Weighted Value
Environmental Science (8875)	SCI	1.0	

Course Description -- ODD YEARS

This interdisciplinary science course delves into environmental issues, blending biology, geosciences, chemistry, and physics. It aims to provide students with scientific principles to understand natural and human-made environmental challenges. Through laboratory activities, field research, projects, and discussions, students will develop critical thinking and problem-solving skills. **Prerequisite: Proficiency or higher on the Biology Keystone Exam**

Course Name and Number	Credit Type	Credit	Weighted Value

AP Environmental Science (8876)	SCI	1.0	1.05

Course Description – ODD YEARS

Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability. This is an applied, interdisciplinary science course which integrates aspects of biology, geosciences, chemistry and physics to understand the earth and the human impact on it. College credit can be earned with a qualifying score on the AP exam. **Prerequisite: Chemistry**

AGRICULTURAL / NATURAL SCIENCES

What is FFA?

FFA is the largest national student organization in the country with over 500,000 members. The focus of this organization is premier leadership, personal growth, and career success. FFA is NOT an organization just for farmers. It is about all areas of agriculture including veterinary science, floriculture, biotechnology, agricultural mechanics, and wildlife to name a few areas. In the FFA, students participate in competitions, leadership conferences and community service on local, state, and national levels. Students must be in an agriculture class to be a part of the FFA. Participation in FFA activities is optional.

What is an Ag. Experience?

An Ag (agriculture) experience is a time for students to apply the skills they learn in an agriculture course outside of class time. These experiences prepare students for further education or a future career. It can happen in the summer before a student takes an agriculture course – or during the year. This can be through a job, volunteering, raising an animal, working with the animals at school, working with plants at school, promoting agriculture through posters, designing programs for local Ag. Safety day, or attending training to learn about local wildlife just to list a few examples. The instructor will assist the student in finding an appropriate Ag. Experience and check for the students' progress during this experience. Students will complete an Ag. Experience as part of class and/or if they complete enough hours, they can earn an extra elective credit for their experience.

Course Name and Number	Credit Type	Credit	Weighted Value

Intro to Agriscience, Food and Natural Resources (8851)	SCI	1.0

Course Description

Explore the world of animals, plants, and the environment hands-on in this course. Dive into topics like plant and animal production, environmental science, and agricultural mechanics. Engage in lab activities, field trips, and hands-on experiences with small animals, plants, and agricultural equipment. Gain practical skills and knowledge in areas like food science, biotechnology, and safety. Plus, discover opportunities for individual projects and introduction to FFA. If students are passionate about nature and science, this course is for them!

Course Name and Number	Credit Type	Credit	Weighted Value
Natural Resource Management (8855)	SCI	1.0	

Course Description – EVEN YEARS

Explore our local natural resources in this outdoor-focused course. Dive into soil, watersheds, forests, wildlife, and fisheries management while gaining hands-on field biology experience. From forestry tools to aquaculture labs, students will engage in various activities, including stream studies, maple syrup making, and technology use. Expect plenty of outdoor time, field observations, and agricultural experiences. **Prerequisite: Biology; Recommended: Introduction to Ag.**

Course Name and Number	Credit Type	Credit	Weighted Value
Animal Science I (8863)	SCI	1.0	

Course Description

Do you want to be a vet, animal trainer, or manage a production animal operation some day? Would you like to know more about taking care of animals? In this course students will study the science and practice of animal agriculture. All types of domestic animals will be studied including horses, livestock, dogs, cats, small pets, and fish among others. Students will study the production of these animals along with animal systems, health, nutrition, reproduction, health, welfare, and biotechnology. Students will work with the small animals in the lab, practice dog grooming, as well as take field trips to see other animal facilities. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course.
Prerequisite: Biology. Recommended that you have taken Introduction to Ag

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Course Name and Number	Credit Type	Credit	Weighted Value

Animal Science II (8865)	SCI	1.0

Course Description – EVEN YEARS

This course is designed for students eager to deepen their understanding of animals. Building on the fundamentals, it focuses on large animal science and veterinary technology. Students will learn essential procedures such as animal restraint, vital sign assessment, bandaging, and assisting in surgeries. With hands-on experience working with both small and large animals, including cattle, horses, sheep, goats, and pigs, students will also participate in field trips and dog grooming sessions. Leadership, management skills, and record-keeping will be emphasized, along with agricultural experiences outside the classroom. FFA topics and practical applications are integrated into the curriculum. **Prerequisite: Biology; Animal Science I.**

Course Name and Number	Credit Type	Credit	Weighted Value
Agricultural Leadership / FFA A (8853)	CTE	.5	
Agricultural Leadership / FFA B (8854)	CTE	.5	

Course Description

Students will develop skills in public speaking, leadership development, demonstrations, salesmanship and management. Other units of study include FFA history, agricultural careers, and etiquette. The class will read leadership development material and complete record books and degree applications for advancement in the FFA. Students will learn more about current agricultural issues, how to advocate for agriculture, and selling a product or managing a business. Students will complete an agricultural experience outside of the classroom as part of their homework. Involvement in the FFA will be part of the grade in this course. This course meets every other day. This course can be taken more than once.

Course Name and Number (ONLINE)	Credit Type	Credit	Weighted Value
Agricultural Leadership / FFA A (8872)	CTE	.5	
Agricultural Leadership / FFA B (8873)	CTE	.5	

Course Description

Online courses require the student to be self-disciplined, as well as possess strong time management and communication skills. Students will work independently through the course during a scheduled period in their regular day, allowing the classroom teacher to teach and encourage the process and content as well as address any student concerns or problems, which may arise.

Course Name and Number	Credit Type	Credit	Weighted Value

Plant Science & Horticulture I (8857)	SCI	1.0	1.05	PENN COLLEGE NOW

Course Description – EVEN YEARS

Develop a green thumb in this horticulture and plant science course. Explore plant growth, disease control, hydroponics, floral and landscape design. Get hands-on with greenhouse management and floral arrangements. Dive into practical applications, FFA topics, and agricultural experiences.
Offered concurrently as a Dual Enrollment with Penn College for 11th or 12th graders. **Prerequisite: Biology (concurrent enrollment allowed); Recommended: Introduction to Ag**

Course Name and Number	Credit Type	Credit	Weighted Value
Plant Science & Horticulture II (8875)	SCI	1.0	

Course Description – ODD YEARS

For those keen on advancing in plant sciences, this course is the next step. Covering floral design, landscape planning, crop scheduling, and business economics, it's designed to prepare students for careers or further education. With hands-on lab work, greenhouse activities, and outdoor components, students gain practical experience. They'll also take the pesticide applicator exam and possibly earn other certifications. Agricultural experiences, FFA topics, and practical applications are included.
Prerequisite: Biology and Plant Science & Horticulture I; Recommended: Introduction to Ag

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Course Name and Number	Credit Type	Credit	Weighted Value
Agricultural Business Foundations (8877)	CTE	.5	

Course Description

Agricultural Business Foundations (ABF) offers an introduction to agricultural business management. Mathematics, reading, and writing are taught within an agricultural context, providing skills applicable to future agricultural courses. The course emphasizes practical activities, projects, and problem-solving to enhance business and employability skills. Students also create and present viable business plans to address local issues, fostering communication within the student and professional community.

Course Name and Number	Credit Type	Credit	Weighted Value

Supervised Agricultural Experience A (8870) CTE	.5
Supervised Agricultural Experience B (8871) CTE	.5

Course Description

Students interested in maintaining a Supervised Agricultural Experience (SAE) project can opt for this credit. Prior approval from the agricultural teacher is necessary, as there is no classroom time. Students select an SAE related to their career objectives and commit to working outside school hours. They will meet regularly with the teacher to discuss their experience and maintain records. With a minimum requirement of 50 hours per semester, students develop valuable skills, leadership abilities, and record-keeping proficiency. This course offers practical application of classroom learning and can be taken multiple times. ****Any transportation is the student's responsibility****

FAMILY CONSUMER SCIENCE COURSES

Course Name and Number	Credit Type	Credit	Weighted Value
Child Development (8821)	FCS	1.0	

Course Description – ODD YEARS

Throughout the year, students will explore topics including family dynamics, parenting readiness, teen pregnancy challenges, prenatal development, childbirth, newborn care, and the development of infants, toddlers, and preschoolers. They will participate in simulated childcare activities and observe caregiving across various age groups.

Course Name and Number	Credit Type	Credit	Weighted Value
Child Care (8823)	FCS	2.0	

Course Description

Students in this program will gain practical child care experience at a local facility with infants, toddlers, and preschoolers. They'll explore career interests in child care, complete weekly online assignments, and must maintain excellent attendance. Transportation arrangements are the students' responsibility.
Prerequisite: Child Development

Course Name and Number	Credit Type	Credit	Weighted Value

Introduction to Foods (8835)	FCS	.5

Course Description – EVEN YEARS
This course covers essential skills for entry-level positions in restaurants. Topics include kitchen safety, sanitation, food storage, recipe reading, measurements, basic cooking principles, meal planning, food choices, and our food supply. Students will gain hands-on experience preparing appetizers, main dishes, vegetables, breads, desserts, and seasonal items.

Course Name and Number	Credit Type	Credit	Weighted Value
Foods & Nutrition (8841)	FCS	.5	

Course Description – EVEN YEARS
This course covers the nutritional needs of adolescents and adults based on the Food Guide Pyramid. Topics include healthy lifestyles, food choices, nutrition requirements, safety, sanitation, and cooking techniques. Students create balanced meals in a professional kitchen, research recipes, and learn practical cooking skills.

HEALTH & PHYSICAL EDUCATION COURSES

Course Name and Number	Credit Type	Credit	Weighted Value
Health (8982)	HEA	.25	

Course Description **Required for 11th Graders**
11th grade health will consist of lessons that provoke critical thinking skills on how to obtain and maintain positive levels of wellness. Relationships, disease prevention, levels of fitness, media information and consumer choices, decision making, CPR and goal setting will be the main topics of focus for the students. Real life application, written assignments, hands-on activities and guest speakers will reinforce the lecture content presented throughout the course.

PE classes require a change of clothing. Students need a T-shirt, athletic shorts or sweatshirt and sweatpants in addition to sneakers. Lockers are available for students but they must supply their own combination locks.

Course Name and Number	Credit Type	Credit	Weighted Value

Physical Education A (8991)	PE	.25
Physical Education B (8992)	PE	.25

Course Description

Physical Education will be for 9th - 12th graders per state standards. It will be a progressive curriculum with a wide variety of experiences in Physical Education that challenges the students, builds upon required skills and imparts additional skills necessary to remain healthy and active throughout life. This course will provide a variety of activities ranging from non-competitive to highly competitive activities and across a variety of categories such as team and individual sports, personal fitness, and outdoor and cooperative activities.

Course Name and Number	Credit Type	Credit	Weighted Value
Weightlifting - Fitness Center (8996)	PE	.25	

Course Description

This one-semester course provides high school students with a foundational introduction to weightlifting, personal fitness, and strength training. Students will learn proper lifting techniques, safety procedures, and how to design basic workout programs tailored to individual goals. The class emphasizes total-body fitness, including strength, endurance, flexibility, and injury prevention. Daily workouts are required and will combine resistance training with bodyweight exercises and cardiovascular conditioning. Students will track progress, set personal fitness goals, and gain an understanding of lifelong fitness principles. No prior weightlifting experience is required. This course is ideal for beginners looking to build confidence and competence in the weight room.

Course Name and Number	Credit Type	Credit	Weighted Value
Weightlifting - Weight Room (8997)	PE	.25	

Course Description

The weightlifting class instills the importance of strength and fitness, fostering personal goal-setting and lifelong fitness habits. Students receive comprehensive training in exercises for safety and progress at their own pace. Positive encouragement and safety are paramount, with programs tailored by teachers, coaches, and strength trainers.

Course Name and Number	Credit Type	Credit	Weighted Value

Introduction to Junior Officiating, Coaching Strategies and Parks & Recreation Management (8999)	PE	.25

Course Description

This course is designed to provide students with a comprehensive understanding of the foundational principles of officiating, coaching, and parks and recreation management. Students will explore the essential skills and strategies needed to excel in junior sports officiating, coaching various youth sports, and understanding the operations of parks and recreation programs. Through a mix of theoretical lessons, hands-on activities, and fieldwork, students will be prepared to take on roles as referees, coaches, and community recreation assistants. Successful students that wish to pursue a job with PIAA after completion may do so if they are 16 years or older.

Course Name and Number	Credit Type	Credit	Weighted Value
Inclusive Adaptive Physical Education (8983)	PE	.50	

Course Description

The Adaptive Physical Education Program (APE), is an inclusive course designed to promote physical activity, social development, and peer collaboration between students with special needs and their general education peers. This program fosters a supportive, respectful environment where all students can thrive physically, socially, and emotionally through teamwork, leadership, and shared experiences.

ART, HUMANITIES & MUSIC COURSES

Course Name and Number	Credit Type	Credit	Weighted Value
Introduction to Art (8971)	ART	.5	

Course Description

This course is open to all grade levels interested in a general background in visual arts. Students who take Introduction to Art will become familiar with various media and supply locations within the art room. The students will become acquainted with basic materials and techniques through drawing, painting, sculpture, graphics and fibers. Basic skills are developed to emphasize the relationships of creative ideas to the product.

Course Name and Number	Credit Type	Credit	Weighted Value
Drawing & Painting (8972)	ART	.5	

Course Description

Students who enjoy drawing and painting or those who want more practice are encouraged to take this class! This elective course offers further exploration in drawing and painting. The course includes pencil, pen and ink, crayon, chalk pastels, oil pastels, charcoal, or other drawing tools. An introduction to watercolor, tempera, acrylic, and oil painting are also incorporated. Value will be introduced as an important element of design to increase skills in 3 dimensional representations. Elements and principles of design will be incorporated into various assignments. Drawing projects alternate painting projects throughout the semester to keep the class interesting and students involved. **Prerequisite: Introduction to Art.**

Course Name and Number	Credit Type	Credit	Weighted Value
Advanced Drawing & Painting (8977)	ART	.5	

Course Description

Students who enjoyed the Drawing and Painting course will love this advanced class. This advanced course offers further exploration in drawing and painting. Special techniques in pencil, pen and ink, charcoal, pastels and other drawing tools as well as watercolor, tempera, acrylic and oil painting will be emphasized. The element of design value will continue to be emphasized in most assignments. Continued study and review of elements and principles of design in correlation to assignments will be presented. Assignments will be more challenging for students by increasing their creative problem - solving skills. **Prerequisites: Drawing and Painting, Intro to Art.**

Course Name and Number	Credit Type	Credit	Weighted Value
Color & Design (8978)	ART	1.0	

Course Description

Color and Design entails a combination of two and three dimensional projects. Starting with a review of color theory, the class will explore the full range of creative options combining color and design. Students will progress through the basic elements of composition, understand, and solve a wide range of problems on two- dimensional surfaces as well as utilizing a variety of art materials applicable to the given problem. A variety of sculptural techniques will be included and utilized in creative problem solving through three-dimensional assignments. **Prerequisite: Any introductory course.**

Course Name and Number	Credit Type	Credit	Weighted Value
Oil Painting (8980)	ART	1.0	

Course Description

Oil paints will be introduced as an advanced painting class. Students will need to take care of their brushes and supplies as part of their class grade. Students will need to take special care of their paintings ``in the works" due to the long drying process. This course will be an opportunity to assist the serious art student in learning the basics of oil painting. Students will be taught simple steps to a successful finished piece through a series of oil painting assignments. Various color combinations, subject matter and painting surfaces will be explored. Oil paints are a durable and lasting medium that immortalizes one's vision! Students will research a famous master artist from the past. A short biography and description of the artist's style will be explained along with an oil painting by the student in that artist's style. Students will present their research and art work to the class. Students should be developing their own unique painting styles by the end of this course. **Prerequisites: Drawing and Painting and Advanced Drawing and Painting.**

Course Name and Number	Credit Type	Credit	Weighted Value
Ceramics I (8973)	ART	.5	

Course Description

Exploration in clay using hand-building techniques in the creation of clay objects both sculptural and functional as well as an introduction to the potter's wheel will be offered in this elective course.

Course Name and Number	Credit Type	Credit	Weighted Value
Ceramics II (8974)	ART	.5	

Course Description

Offering further exploration in clay using both the hand building techniques as well as experience on the potter's wheel, students will enhance their throwing skills as well as the development and articulation of individual concepts in design including the techniques of glazing. **Prerequisites: Ceramics I**

Course Name and Number	Credit Type	Credit	Weighted Value

Studio Krafts (8975)	ART	.5

Course Description

This class is designed to lead you through an in-depth exploration of different craft materials and techniques, and to immerse you in the process of crafting; from research & design to product completion.

In studio crafts we will encourage you to take a risk with your art making to push your art to a new level. The media we explore may include:

- Fiber: batik, embroidery, weaving, sewing
- Metal: jewelry making, Wire building
- Clay: hand building, slab relief
- Glass: mosaics, fusing, stained
- Woodwork
- Paper making

Course Name and Number	Credit Type	Credit	Weighted Value
Yearbook (8151)	HUM	1.0	

Course Description

Yearbook students at Wellsboro Area High School take charge of creating the Nessmuk yearbook, capturing the school year's activities. Responsibilities include developing a theme, designing covers and pages, conducting interviews, editing photos, and writing copy. Students utilize Adobe Photoshop, Jostens Yearbook Avenue, Microsoft Office, Google Suite, and digital cameras to complete tasks. Leadership, decision-making, and time management skills are emphasized to meet publication deadlines and ensure a quality yearbook.

Course Name and Number	Credit Type	Credit	Weighted Value
Teacher Aide Program A (8941)	HUM	1.0	
Teacher Aide Program B (8942)	HUM	1.0	

Course Description

This program for 11th & 12th grade students provides an opportunity for the students to explore their interest in and aptitude for a teaching career. It provides a realistic experience in working with children for those students who are considering professional level careers in related fields. Students will be assigned to an elementary or middle school teacher for each marking period. Students will also be required to complete weekly assignments in an online course. Excellent attendance is required and will be monitored. Students must be prepared to arrange their own transportation.

Course Name and Number	Credit Type	Credit	Weighted Value

Music (8911)	MUSIC	.25

Course Description – EVEN YEARS

General Music is a semester-long adventure into the basics and history of music. Students will learn the basics of music notation including reading and writing music and be expected to execute this newfound knowledge through in-class performance. Prominent composers will be researched and reported on to gain appreciation for the art of composition. We will also explore different genres of music and ways of expressing them. This course is VERY research based.

Course Name and Number	Credit Type	Credit	Weighted Value
Music Theory – 10th,11th,12th Grade (8969)	MUSIC	1.0	

Course Description – ODD YEARS

This course is for music career hopefuls, covering collegiate-level material with a focus on analysis, aural skills, and composition. **Prior music credit and ensemble experience are prerequisites.** It aims to deepen understanding and prepare for higher education in music.

Course Name and Number	Credit Type	Credit	Weighted Value
Chorus A (8961)	MUSIC	.25	
Chorus B (8962)	MUSIC	.25	

Course Description

Chorus offers a diverse musical journey for all, regardless of experience. Our aim is to deepen your musical appreciation and skills, focusing on vocal technique and ensemble unity. From classics to contemporary pieces, we cover a wide range of genres. Performances at our annual concerts are mandatory, showcasing your growth. Students can explore specialized vocal ensembles like Dickens, Men's, and Women's Choirs through auditions, enriching their musical experience.

Course Name and Number	Credit Type	Credit	Weighted Value
Band (8951)	MUSIC	1.0	

Course Description

Band offers a year-long journey for learners keen on playing a standard band instrument in a large ensemble. No prior experience is necessary. Our goal is to cultivate a lifelong love for instrumental music, focusing on technique, musicianship, and ensemble unity. We explore various styles and levels of music, showcased at concerts and parades throughout the year. Attendance at performances is mandatory. Instrumental lessons continue in high school, and students are encouraged to join Jazz Band, Hand Bell Choir, and Fall Field Show Marching Band.

FOREIGN LANGUAGE

Do you know what skill is learned around the world, with enrollments growing by 50% in Asia and Africa? It's French! Globally, French is the second most widely studied language after English. French language and culture have greatly influenced the domains of culinary, theater and dance, and the visual arts. French is also a language of international diplomacy and a global business language. If you are considering a career in any of these domains, a knowledge of the French language and culture will benefit you. When you learn a new language, you never know what doors it may open!

A passing grade is a prerequisite for advancement to the next level in French

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FRENCH

Course Name and Number	Credit Type	Credit	Weighted Value
French I (8511)	FRGN	1.0	

Course Description

In this course, students will practice listening, speaking, writing, and reading skills, with a focus on speaking and listening comprehension. They'll learn to describe their surroundings and themselves. Throughout the year, students will engage with native French speakers to apply their skills and learn about different cultures.

Course Name and Number	Credit Type	Credit	Weighted Value
French II (8521	FRGN	1.0	

Course Description

Building on French I, this course emphasizes speaking and listening fluency while increasing focus on writing in French. Students expand vocabulary and discuss broader themes through activities like dramatization, interviews, and illustrations. They connect with native French speakers to explore cultural differences.

Course Name and Number	Credit Type	Credit	Weighted Value
French III (8531)	FRGN	1.0	

Course Description
This course builds on refining listening, speaking, and writing skills while increasing focus on reading. Students read chapters from "Petit Nicolas" and other French literature, enhancing grammatical knowledge across various tenses and moods for clear communication. Emphasis is on spontaneous language use.

Course Name and Number	Credit Type	Credit	Weighted Value
French IV (8541)	FRGN	1.0	

Course Description
In French 4, students explore all language domains while delving into French-speaking cultures and histories. They enhance fluency while studying significant historical figures and events from prehistory to World War II. In the spring, students analyze "Le Petit Prince," a novella written during World War II, evaluating its themes in the context of historical and cultural understanding.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment French (8543MU)	FRGN	.5	1.05

Course Description
Dual Enrollment French offers an introductory college-level course in French, granting 3 college credits upon successful completion. Taught primarily in French, it caters to students eager to communicate at a novice level. Through interactive activities, students hone speaking, listening, reading, and writing skills while exploring the culture of French-speaking regions. Acquiring a foreign language provides a competitive advantage and broadens students' perspectives for their future careers.

SPANISH

Spanish isn't just another language—it has shaped and influenced global culture, particularly in fields such as literature, music, cinema, and visual arts. Spanish-speaking countries have made significant contributions to world literature. Spanish is also a key language in international diplomacy and business. As the official language of 20 countries, spanning Europe, Latin America, and parts of Africa, mastering Spanish opens doors to a vast number of career opportunities. The language's importance in global trade and communication cannot be understated—speaking Spanish provides an edge in a variety of industries, from international relations to tourism.

Whether you're considering a career in the arts, international business, or diplomacy, learning Spanish is a valuable asset. Just like with any new language, you never know where it could take you, but the possibilities are endless. Embrace the journey of learning Spanish, and you may find new pathways in both your professional and personal life!

Course Name and Number	Credit Type	Credit	Weighted Value
Spanish I (8515)	FRGN	1.0	

Course Description

Students will be able to identify countries of the Hispanic world and begin to read, listen, speak, and write in the present tense. They will be able to articulate topics including introductory conversations, their school day, foods, pastimes, sports, and family.

Course Name and Number	Credit Type	Credit	Weighted Value
Spanish II (8525)	FRGN	1.0	

Course Description

Students will be able to compare and contrast American culture with that of Hispanic countries and will continue to read, listen, speak, and write in the present and preterit tenses. They will be able to articulate topics including clothing, shopping, vacation, volunteerism, the environment, & technology.

Course Name and Number	Credit Type	Credit	Weighted Value
Spanish III (8535)	FRGN	1.0	

Course Description
Students will be able to appraise cultural information about the Hispanic world and will deepen their ability to read, listen, speak, and write in the present, preterit, and imperfect tenses. They will be able to articulate topics including driving, giving directions, holidays, natural disasters, medical situations, foods, sports, and television/movies.

Course Name and Number	Credit Type	Credit	Weighted Value
Spanish IV (8545)	FRGN	1.0	

Course Description
Students will be able to collaborate with peers to correlate cultural information about the Hispanic world with their own. They will expand upon their ability to read, listen, speak, and write in the present, past, and future tenses, including both the indicative and subjunctive mood. They will be able to articulate topics including foods, travel, lodging, future career plans, the environment, national parks, and famous works of art.

Course Name and Number	Credit Type	Credit	Weighted Value
Dual Enrollment Spanish (8548)	FRGN	1.0	1.05

Course Description
Dual Enrollment Spanish is an introductory college-level course offering 3 credits. Students learn basic Spanish communication skills through engaging activities, enhancing speaking, listening, reading, and writing abilities. The course also explores Spanish-speaking cultures, broadening students' global perspectives and providing a competitive edge in future careers.

BUSINESS and TECHNOLOGY COURSES

Course Name and Number	Credit Type	Credit	Weighted Value

Computer Technology (8364)	ELEC	1.0

Course Description – EVEN YEARS

Students learn the inner workings of computers through their hardware components. They will learn what goes on under the hood at an electronic level, as well as how this hardware responds to computer-level code such as binary and assembly. They will build their own mini computer that will run their own code.

Course Name and Number	Credit Type	Credit	Weighted Value
Intro to Programming (8365)	ELEC	1.0	

Course Description – ODD YEARS

Learning C++ is ideal for students aiming to explore multiple programming languages. It fosters problem-solving skills by breaking down problems and applying logical thinking to program solutions. Topics cover logic gates, method writing, decision and iteration statements, using C with microcontrollers, and more. **Prerequisites: Computer literacy and Algebra I & II.**

Course Name and Number	Credit Type	Credit	Weighted Value
Web Development (8759)	ELEC	1.0	

Course Description – EVEN YEARS

Students will learn how to design and build interactive websites from the ground up. We will cover both the frontend (visual, user-facing) and backend (technical, behind the scenes). We will learn HTML for layout, CSS for styling, and JavaScript for calculations.

Course Name and Number	Credit Type	Credit	Weighted Value
Data Science (10-12) (8369)	ELEC	1.0	

Course Description – EVEN YEARS

Students will explore the power of modern hardware by learning how computers can "learn" from data. Through hands-on projects, they will train models to recognize patterns, make predictions, and improve over time. Topics include supervised and unsupervised learning, neural networks, and real-world applications like image recognition and recommendation systems. **Prerequisites: Intro to Programming**

Course Name and Number	Credit Type	Credit	Weighted Value
Cybersecurity (10-12)(8370)	ELEC	1.0	

Course Description – EVEN YEARS

Students learn how to protect computers, networks, and data from digital threats. Topics include encryption, server security, password security, safe browsing, ethical hacking basics, and real-world cyber attack case studies. **Prerequisites: Intro to Programming**

Course Name and Number	Credit Type	Credit	Weighted Value
Video Game Creation (9-12)(8371)	ELEC	1.0	

Course Description –
This course guides students through designing and developing 3D video games using Unreal Engine, a professional-grade game development platform. Students will create immersive worlds and design interactive gameplay. By the end of the course, they will have a playable game to showcase, along with an understanding of the creative and technical process behind modern game design.

Course Name and Number	Credit Type	Credit	Weighted Value
Mobile App Development (10-12)(8372)	ELEC	1.0	

Course Description –
This course introduces students to the fundamentals of creating mobile applications for smartphones and tablets. They will design, program, and test apps that run on iOS and Android devices. Students will learn about user interface design, mobile-specific features (such as location services), and the process of publishing an app. **Prerequisites: Intro to Programming**

Course Name and Number	Credit Type	Credit	Weighted Value
Smart Device Programming (9-12)(8373)	ELEC	1.0	

Course Description –
Students build small smart devices that connect to the internet and external devices—like walkie talkies, smart home components, or automated watering—learning both hardware programming and network integration. Students will learn how to automate everyday tasks through the union of coding and physical creation.

Course Name and Number	Credit Type	Credit	Weighted Value
Business Management (8411)	ELEC	1.0	

Course Description – EVEN YEARS
This introductory course provides a comprehensive overview of the business world, laying a broad foundation for further studies. Students gain insights into working for or managing businesses, enhancing consumer skills, and maximizing disposable income. Topics cover Business in the Global Economic Environment, Business Organization and Management, Business Operations and Technology, and Personal Financial Management.

Course Name and Number	Credit Type	Credit	Weighted Value
Financial Record Keeping (8423)	ELEC	1.0	

Course Description – ODD YEARS
This course emphasizes the importance of record-keeping in personal and business contexts. Students learn to create essential business documents to effectively manage operations. Topics include checking accounts, budgets, financial statements, journals, basic accounting entries, payroll, tax information, and an introduction to credit from personal and business perspectives.

Course Name and Number	Credit Type	Credit	Weighted Value
Accounting I (8431)	ELEC	1.0	

Course Description – EVEN YEARS
Accounting is essential for business communication. This course teaches students how to interpret and journalize information from key source documents. They will learn to post this information to crucial documents used by management, owners, and investors. Accurate accounting is vital for making informed business decisions and fulfilling reporting obligations to government agencies.

Course Name and Number	Credit Type	Credit	Weighted Value
Accounting II (8443)	ELEC	1.0	

Course Description – ODD YEARS
Building on Accounting I, this course focuses on advanced principles, emphasizing departmentalized accounting for corporations. Students will operate a fictitious business using automated software to apply skills learned in Accounting I and II. Advanced topics include management accounting, cost accounting, inventory control and valuation, taxation, and budgeting. **Prerequisite: Accounting II**

Course Name and Number	Credit Type	Credit	Weighted Value
Business Law (8447)	ELEC	1.0	

Course Description – EVEN YEARS

Knowing the laws of business is a very important part of running and maintaining a successful enterprise. The purpose of this course is to acquaint the student with the legal problems that are encountered in everyday business dealings and includes units on contract and insurance.

Course Name and Number	Credit Type	Credit	Weighted Value
Photography / Graphics (8757)	ELEC	1.0	

Course Description

Students will explore digital photography and graphic design in this course. They will learn technical aspects of digital cameras, various photography setups, and digital photo editing. The graphics component covers desktop publishing, vinyl graphics, and screen-printing basics. Projects include matting and framing photographs, designing flyers, signs, and creating t-shirts. Students are responsible for materials costs.

Course Name and Number	Credit Type	Credit	Weighted Value
Personal Finance (8462)	REQ	.5	

Course Description **Required for 11th Graders**

Students will learn practical money management from checking accounts to retirement funds, covering credit, investments, home and auto purchases, stocks, bonds, insurance, and the money market. They will develop a product, devise a marketing strategy, and create advertisements, with possible guest speakers from local businesses.

The Pennsylvania Department of Education (PDE) supports career and technical education students aligning their high school courses to a college program in order to complete a degree, diploma or certificate

What Is SOAR?

SOAR stands for *Students Occupationally and Academically Ready*. SOAR programs articulate skills and tasks gained at the secondary school (high school) level to course credit earned in a postsecondary (college) degree, diploma or certificate program.

SOAR programs can help students:

- Prepare for entering the job market with college and career ready skills
- Choose the best career pathway
- Save money on college tuition
- Save time by not duplicating coursework in college

SOAR Support High Demand Careers

Soar programs prepare today's students for High Priority Occupations (HPO) which include career categories that are in high demand by employers, have high skill needs, and are most likely to provide family sustaining wages.

Benefits of SOAR

- ❖ Saving money on college tuition
- ❖ Saving time by shortening college attendance
- ❖ Getting on the right career pathway
- ❖ Entering the job market ready
- ❖ Getting a consistent education

For more information on SOAR, please see your school counselor or visit the website

https://www.patrac.org/PA-SOAR-Programs

CAREER PATHWAYS / CAREER & TECHNICAL EDUCATION CURRICULUM

Career and Technical Education Curriculum Sequences

The CTE Curriculum can prepare students for a smooth transition from our secondary CTE program into a postsecondary education program of study. Students are encouraged to take courses that challenge them and lead them on a pathway to postsecondary success. Technical sequences will meet the minimal technical core area competencies of articulated postsecondary institutions. The following courses with CIP codes have articulations with PA colleges and some of our programs have articulations with colleges outside of PA. This allows our students opportunities of receiving college credit for courses done while in high school.

Recruitment

Wellsboro Area High School Career Technical Teachers and school counselors provide an eighth-grade parent/guardian evening for students to sign up for high school classes. The school counselors will present all the high school opportunities and highlight career technical educational opportunities with parents. Time will be spent talking about the "success in the new economy" – and that CTE is STEM in action. Parents and students will be encouraged to think more about helping their students identify skills, interests and abilities and providing career experiences to experiment before college. Additionally, students in the Spring of eighth grade will tour all the CTE programs at the high school and will be provided a presentation by each CTE teacher annually. Once students are in high school and part of a CTE program of study (POS) CTE teachers will serve as an advisor and aid them in reviewing their schedule to ensure students are able to complete the POS.

Articulation Agreements

This is an agreement between secondary and postsecondary institutions that allow qualified programs and courses in the secondary to count for postsecondary education credits leading to an industry credential or certificate at the postsecondary level or an associate or baccalaureate degree. If you want to know what schools our programs have articulations with across PA you can look at www.collegetransfer.net. We have some out of state articulations depending on the program. Questions about this please talk with your school counselor.

Career and Technical Education Programs Appeals Procedure

If for any reason a parent disagrees with a career and technical program and/or procedure they should get in contact with the school counselor to set up a meeting with the Career and Technical Education Advisory Committee to discuss the problem. If they are not satisfied with what is being told, they may set up a meeting with the principal. After meeting with the principal and they are still dissatisfied, they should contact the Superintendent concerning this problem. If they are still dissatisfied, they should get in contact with the Pennsylvania Department of Education Career and Technical Education Department at PDE at 333 Market Street, Harrisburg, PA 17126 or call them at (717) 783 – 6788.

Agriculture General **CIP 01.1000**

An instructional program that generally describes the principles and practices of agricultural research and production and may prepare individuals to apply such knowledge and skills to the solution of practical agricultural problems. This program includes instruction in basic animal, plant, soil science and mechanization, animal husbandry, plant cultivation, soil conservation and mechanical technology. Instruction may include an emphasis in aquaculture, hydroponics, food science and/or environmental science.

Industry-Recognized Credentials Available:

OSHA Certification- Agriculture
Dairy Leaders of Tomorrow
National Tractor and Machinery Operator
Youth for the Quality Care of Animals
PA Pesticide Applicator Certification
OSHA Veterinary Science
Worker Protection Standard
Game of Logging Level 1 Chainsaw Safety

Agriculture General (4-year program) CIP: 01.1000

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
English (4 credits)	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Lit
Math (4 credits)	Any sequence of math courses			
Science (4 credits)	Intro to Ag Science or earth and space or Biology	Biology or Animal and/or Natural Resource Management	Plant or 1.0 Science credit	*Environmental science or 1.0 science credit*
Social Studies (4 credits)	World History or Honors World History	American History or Honors American History	Government & Economics Honors Government & Economics	Applied Psychology Dual Enroll Psychology Sociology Criminal Fiction Justice Education AP Government
Humanities (2.0 credits)	Music (.5 cr)	Intro to Art (.5 cr)		
Physical Education (2.0 credits)	Physical Education	Physical Education	Health & Physical Education	Physical Education
TECHNICAL – (1320 Hours)	Intro to Agriscience, Food and Natural Resources	Animal Science I or Plant Science& Horticulture I	Animal Science I or Plant Science& Horticulture I	Introduction to Foods
	Woodworking I or Metalworking Technology I	Natural Resource Management	Small Engines and Electricity	Supervised Agricultural Experience (.5 cr) Agricultural Business Foundations or CTE Business Applications (.5 cr)
	Supervised Agricultural Experience (.5 cr) Ag Leadership (.5 cr)	Supervised Agricultural Experience (.5 cr)	Supervised Agricultural Experience (1.0 cr)	Environmental Science

Agricultural Mechanics **CIP 01.0201**

This is an instructional program that prepares individuals to sell, select, and service agriculture or agribusiness technical equipment and facilities including computers, specialized software, power units, machinery, equipment, structures and utilities. Instruction in agriculture power units, mechanical systems, the planning and selection of materials for the construction of agriculture facilities, safe mechanical practices, water conservation, erosion control, and data processing systems.

Industry-Recognized Credentials Available:
OSHA Certification- Agriculture
Outdoor Power Equipment Technical Certification
OSHA Certification Career Safe

Agricultural Mechanics (4-year program) **CIP: 01.0201**

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
English (4 credits)	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Lit
Math (4 credits)	Any sequence of 4 math courses			
Science (4 credits)	Introduction to Agriscience or Biology	Biology or Introduction to Agriscience	Natural Resource Management or 1.0 credit of science	Environmental Science or 1.0 credit of science
Social Studies (4 credits)	World History	American or Honors American History	Government & Economics Honors Government & Economics	Applied Psychology Dual Enrollment Psychology Sociology Crimes, Courts Justice Education AP Government
Humanities (2.0 credits)	Music (.5 cr)	Intro to Art (.5 cr)	Personal Finance	
Physical Education (2.0 credits)	Physical Education	Physical Education	Health & Physical Education	Physical Education
TECHNICAL – (1320 Hours)	Intro to Agriscience, Food and Natural Resources	Metalworking Technology I	Natural Resource Management	Environmental Science
	Woodworking I	Electricity	Woodworking II or Metalworking Technology II	Small Engines Technology
	Drafting I	Plumbing	Agricultural Mechanics Supervised Lab Experience	Shop Maintenance and Repair
		DIY: Home Improvement		CTE Business Applications

Construction Trades, Other **CIP:46.9999**

Students will be taught the safe handling and operation of hand and power tools. We will be emphasizing the safe handling and use of a wide variety of building materials. Using hands-on activities, students will learn proper building techniques and code requirements along with gaining an appreciation and respect for the Construction Trades.

Industry-Recognized Credentials Available:
OSHA Certification CareerSafe
ForkLift Operator

Construction Trades, Other CIP: 46.9999

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12
Math (4.0 credits)	Any sequence of four credits of Mathematics			
English (4.0 Credits)	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Lit
Science (4.0 Credits)	Foundations of Science or Biology	Biology or 1.0 credit of science	1.0 credit of science	1.0 of science
Social Studies (4.0 credits)	World History	American History or Honors American History	Government & Economics or Honors Government & Economics	(Must take 1.0 credit of classes)
Humanities (2.0 credits)	Intro to Art (.5 cr) Music (.5 cr)			
Physical Education (2.0 Credits)	Physical Education	Physical Education	Health & Physical Education	Physical Education
TECHNICAL - (1080 Hours)		Carpentry Construction Technology II Electricity (.5 cr)	Carpentry Construction Technology III	Carpentry Construction Technology IV
			Carpentry Construction Supervised Lab	Carpentry Construction Supervised Lab

Culinary Arts **CIP 12.0508**

A three-year program, Culinary Arts provides students with classroom and hands-on experiences in large-scale food production. Students learn about food safety and proper preparation along with managing the school restaurant.

Industry-Recognized Credentials Available:
ServSafe/Manager Food Safety Certification
ProStart National Certificate
ProStart National Certificate and Achievement
OSHA Certification CareerSafe

Culinary Arts (3-year program) CIP: 12.0508

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12
Math (4.0 credits)	Any sequence of four credits of Mathematics			
English (4.0 credits)	9 English 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Lit
Science (4.0 credits)	Foundations of Science or Biology	Biology or Chemistry	Chemistry or Science and Technology	1.0 Science Credit
Social Studies (4.0 credits)	World History	American History or Honors American History	Government & Economics Honors Government & Economics	1.0 Social Studies Credit
Humanities (2.0 credits)	Music (.5 cr)	Intro to Art (.5 cr)		
Physical Education (2.0 credits)	Physical Education	Physical Education	Health and Physical Education	Physical Education
TECHNICAL - (1080 Hours)		Culinary Arts I	Culinary Arts II Culinary Arts Supervised Lab Experience	Culinary Arts III Culinary Arts Supervised Lab Experience

Engineering Technologies/Technician Program **CIP 15.9999**

This program prepares individuals to apply knowledge and skills in the engineering field. Instruction includes, but is not limited to, safety, ethics, power, problem solving teamwork, engineering graphics, automated systems, fundamental electronics, and manufacturing systems as well as adhering to the Science, Technology, Engineering and Mathematics (STEM) Initiative.

Industry-Recognized Credentials Available:
OSHA Certification CareerSafe

Engineering Technologies/Technician (3-year program) CIP: 15.9999

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
TECHNICAL		Engineering Trades I	Engineering Trades II	Engineering Trades III
		Drafting 1	Science Technology and Society	Physics or Honors PHysics or AP Physics
		Metalworking Technology I	Small Engines	Engineering Trades Supervised Experience
English (4 credits)	9 English or 9 Honors English	10 English; 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Lit
Math (4 credits)	Any sequence of four credits of Mathematics.			
Science (4 credits)	Foundations of Science or Biology	Biology or Chemistry	Chemistry or Science and Technology	APfranc Physics or Honors Physics
Social Studies (4 credits)	World History	American History or Honors American History	Honors Government and Economics or Government and Economics	1.0 credit of classes
Humanities (2.0 credits)	Music (.5 cr)	Intro to Art (.5 cr)		
Physical Education (2.0 credits)	Physical Education	Physical Education	Health & Physical Education	Physical Education

Health Occupations **CIP 51.9999**

This program prepares students to apply knowledge and skills in the health occupations. Instruction will be provided in the basic skills in a variety of areas associated with health occupations such as health and medical services, pharmaceutical and medical instruments and supplies. Instruction includes but is not limited to foundations of health (medical terminology); anatomy and physiology; legal, ethical and economic aspects of health care; clinical laboratory procedures; basic health occupational skills; aseptic techniques; OSHA regulations; and infection control. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives

Industry-Recognized Credentials Available:

Heartsaver CPR- American Heart Association
Stop the Bleed
OSHA- Bloodborne
OSHA- PPE
ACT 31- Mandatory Reporter
BLS HealthCare Provider
OSHA- HealthCare
OSHA - HIPPA
Certified Patient Care Technician
OSHA -Career Safe

Health Occupations (3-year program) CIP: 51.9999

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12
MATH **(4.0 credits)**	Any sequence of four credits of Mathematics.			
ENGLISH **(4.0 credits)**	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or DE College Writing and Literature
SCIENCE (4.0 credits)	Foundations of Science or Biology	Biology or 1.0 credit of Science	1.0 credit of Science	1.0 of Science
SOCIAL STUDIES (4.0 credits)	World History	American History or Honors American History	Government & Economics Honors Government & Economics	(Must take 1.0 credit of classes)
HUMANITIES (2.0 credits)	Intro to Art (.5 cr) Music (.5 cr)		Personal Finance	
PHYSICAL EDUCATION (2.0 credits)	Physical Education	Physical Education	Health & Physical Education	Physical Education
TECHNICAL		Health Occupations 1	Health Occupations 2 Health Tech Lab 1 Medical Terminology	Health Occupations 3 Health Tech Lab 2

CAREER AND TECHNOLOGY COURSE OPTIONS

Aviation

Course Name and Number	Credit Type	Credit	Weighted Value
Aviation A (AOPA STEM Curriculum)	CTE	1.0	

In this course students will use the eight engineering practices to conduct hands-on laboratory experiments that investigate the forces of flight. In addition, this course will explore an in-depth focus on the following six topics: Getting to Know Aircraft, How Aircraft are Made, Understanding Air, Forces of Flight, Aircraft Sustainability and Control, and Career Skills. Students will continue to explore possible future careers in many different sub-fields within the aviation and aerospace industry.

Course Name and Number	Credit Type	Credit	Weighted Value
Aviation B (AOPA STEM Curriculum) (8650)	CTE	1.0	

Pilot Pathway

This course will include topics such as: pilot and aircraft qualifications, principles of flight, aerodynamics, spin awareness, flight maneuvers, pre- and post-flight procedures, airport operations, regulations, safety, weather, aircraft systems, weight and balance, human factors, cockpit management, emergency procedures, night operations, aeronautical decision-making, cross-country flight planning, airspace, and other topics that help prepare students for the Federal Aviation Administration's Private Pilot written exam.

Unmanned Aerial System Pathway

This course is an introduction to the fundamental concepts of unmanned aircraft systems. Topics include: small unmanned aircraft systems regulations, airspace classification and operating requirements, flight restrictions affecting small unmanned aircraft operation, safety protocols, weight and balance, operating environments, aviation weather sources and effects of weather (micro-meteorology) on small unmanned aircraft performance, small unmanned aircraft loading and performance, emergency procedures, and crew resource management. Students will be prepared to complete the Federal Aviation Administration's Part 107 Remote Pilot written exam upon completion of this course. **Prerequisites: Aviation A**

Culinary Arts

A passing grade is a prerequisite for advancement to the next level in Carpentry Construction classes.

Course Name and Number	Credit Type	Credit	Weighted Value
Culinary Arts I (8833)	CTE	2.0	

Course Description - Grades 10, 11, 12

This course is an introduction to a career and technical program that provides students with the essential skills needed for employment in the food service industry and as a foundation for a postsecondary education in Culinary Arts. The course follows the ProStart curriculum, a national industry-recognized program, bringing together the restaurant industry and the classroom. From culinary techniques to management skills, ProStart's industry-driven curriculum provides real-life experience opportunities and builds practical skills and a foundation that will last a lifetime. This class brings real-world, hands-on experience, working in a commercial kitchen with industry standard, top of the line equipment. Students take what they have learned in the classroom and apply it through various catering experiences in and out of school as well as through opportunities such as Skills USA competitions and other culinary events.

Course Name and Number	Credit Type	Credit	Weighted Value
Culinary Arts II (8843)	CTE	2.0	1.05 PENN COLLEGE NOW

Course Description

This course builds on the knowledge gained in Culinary Arts I. Topics covered include advanced culinary skills development and application of skills learned in Culinary Arts I through exploration of more difficult recipes, requiring advanced skills and techniques. The students will explore regional American cuisine as well as international foods. Students in Culinary Arts II also take on the responsibility of creating recipes for desserts and specialty beverages to be sold in our coffee bar, Java Hive, as well as working as a barista on occasion. Through continued work with the ProStart curriculum, students also learn menu development and basic management skills for both front of house and back of the house operations. Students will continue to be involved in the retail food program and special catering functions. **Prerequisite: Culinary Arts I**

Course Name and Number	Credit Type	Credit	Weighted Value
Culinary III (8845)	CTE	2.0	

Course Description - Grade 12

This course is designed as an advanced exposure to the culinary environment. It uses a commercially equipped kitchen as a learning laboratory while coordinating complementary educational opportunities within the food service community. It integrates the ProStart program and student activities within the school's existing curriculum, and focuses on the acquisition of culinary, business, technical, and problem-solving skills that will give students the tools to successfully continue their food service education and/or position themselves for success in a competitive food service environment. Students will be assigned leadership roles for the retail food program and be responsible for managing the library coffee café. This is a two-period class.
Prerequisite: Culinary Arts II

Course Name and Number	Credit Type	Credit	Weighted Value
Culinary Arts Supervised Lab Experience (8847)	CTE	1.0	

Course Description

Supervised culinary arts experience is made up of planned practical activities that support the development of the skills and competencies incorporated in the Culinary Arts Curriculum. There is no set classroom time for this class. The various lab activities will include in-school and after-school catering functions, working in the student-run café, college and industry visitations and SkillsUSA sponsored functions. This is a single period class and is open to second- and third-year culinary students.

Building Construction

A passing grade is a prerequisite for advancement to the next level in Carpentry Construction classes.

Course Name and Number	Credit Type	Credit	Weighted Value
Intro to Carpentry Construction (8761)	CTE	1.0	

Course Description - Grades 9, 10, 11

Students will be taught safe handling and operation of hand and power construction tools. Our main focus will be placed on the safe handling and uses of a wide variety of materials. Through the use of hands-on activities students will learn proper building techniques and code requirements along with gaining an appreciation and respect for the construction trades.

Course Name and Number	Credit Type	Credit	Weighted Value
Carpentry Construction Technology II (8763)	CTE	2.0	

Course Description - Grades 10, 11, 12

Students will gain knowledge and skill of framing techniques, roof construction, and exterior finishes. Students will study a variety of materials and their functions. Fabrication installation methods and techniques will be covered with constructive hands-on building experiences. In the second semester students will learn basic technical drafting principles, which will include geometric construction and orthographic projection. Students will be introduced to basic masonry and concrete construction. Various principles, styles, and methods will be covered with practical hands-on building experiences. This is a double period class each semester.

Course Name and Number	Credit Type	Credit	Weighted Value
Carpentry Construction Technology III (8765)	CTE	2.0	1.05 PENN COLLEGE NOW

Course Description - Grades 11, 12

Students will be introduced to Architectural Drafting with a main focus on plot plans, floor plans, and elevation drawings along with reading and interpreting blueprints. Students will also focus on a more in-depth study of masonry principles and materials. These principles and materials along with their applications will be learned through practical hands-on building experiences. In the second semester students will be involved in designing and constructing the layout for a kitchen and bathroom. Cabinetry, countertops, plumbing, electrical, and interior finishing will be covered through practical hands-on experiences. This is a double period class each semester.

Course Name and Number	Credit Type	Credit	Weighted Value
Carpentry Construction Technology IV (8767)	CTE	2.0	

Course Description - Grade 12

Students will be involved in site preparation and layout using a transit and reading blueprints. Construction planning, scheduling, and management, along with basic job estimation will be covered. Students in both semesters will be involved in practical hands-on building experiences using knowledge and skills acquired throughout the Building Construction Technology curriculum. This is a double period class each semester.

Course Name and Number	Credit Type	Credit	Weighted Value
Carpentry Construction Supervised Lab (8769)	CTE	.5	

Course Description
A construction lab designed to get additional construction experience in the shop and on the site, to be used with any of the building construction courses. Students may take labs for multiple years. Lab experience is made up of planned practical activities that support the development of the skills, tasks and abilities incorporated in the construction curriculum. It is designed to be an extended classroom/work-based learning experience related to the industry. The various lab activities will include in-school and after-school projects, college and industry visitations, and SkillsUSA sponsored functions.

Course Name and Number	Credit Type	Credit	Weighted Value
CTE Business Applications (8440)	CTE	.5	

Course Description - EVEN YEARS
This course is designed to teach basic skills necessary for students to be successful when exiting the CTE programs. This course is designed to meet the business requirements listed on the CTE task grids for students in the General Agricultural, Agricultural Mechanization, Building Construction, Culinary, Horticulture, and Engineering CTE programs. This course will be primarily project based with the students working on skills in the classroom and projects with their associated CTE teachers.

Health Occupations

A passing grade is a prerequisite for advancement to the next level in Health Occupation classes.

Course Name and Number	Credit Type	Credit	Weighted Value
Anatomy/Physiology I (8655)	SCI	1.0	

Course Description
This course will present an introduction to Anatomy and Physiology including organization of the human body, biochemistry, cells genetics and the integumentary skeletal, muscular and nervous systems. This is an ideal course for those considering the medical or veterinary field.
Prerequisite: Biology, Health and Chemistry

Course Name and Number	Credit Type	Credit	Weighted Value
Anatomy/Physiology II (8665)	SCI	1.0	

Course Description

This course continues from Anatomy and Physiology I to include endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. This is an ideal course for those considering the medical and veterinary fields.**Prerequisite: Anatomy and Physiology I**

Course Name and Number	Credit Type	Credit	Weighted Value
Health Tech Lab I (8659) Grade 11	CTE	1.0	
Health Tech Lab II (8660) Grade 12		1.0	

Course Description

This two-semester course will expose students to the environment associated with four different medical environments: working in a hospital, nursing home, doctor's office, or home health care environment. Students will learn proper techniques in floor layout of equipment, sanitary procedures for disposal and removal of waste substances, and other skills necessary in maintaining a safe and conducive work environment. Students will be introduced to a variety of information systems and become familiar with the role and operation of each piece of equipment. Students will have the opportunity to obtain industry related certifications such as Patient Care Technician, Certified Clinical Medical Assistant, Pharmacy Technician, and others. **Prerequisite: Successful completion of Health Occupations I and concurrently taking Health Occupations II or III.**

Course Name and Number	Credit Type	Credit	Weighted Value
Medical Terminology (8666)	CTE	1.0	1.05

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Course Description - Grade 11, 12

This course is designed to introduce students to the medical language. A two-semester course, students will learn to read, write, and understand various medical terms used in a variety of medical fields. A strong emphasis will be placed on anatomy and physiology, diagnostic terms, symptomatic terms, operative terms, laboratory and radiological terms, and abbreviations. Current medical terms and medical advances will also be used. Students will learn to properly pronounce and spell these terms as well as the proper abbreviations and symbols used within the medical field. A research paper will be incorporated into this course. This course does not count as a science credit.

Course Name and Number	Credit Type	Credit	Weighted Value
Health Occupations I (8667)	CTE	2.0	

Course Description

This is the first in a series of three-year courses for the Health Occupations Career and Technical Education program. The topics covered in this course include: Promotion of Safety, History and Trends of Health Care, Health Care Systems, Careers in Healthcare, Personal and Professional Qualities of a Health Care Worker, Legal and Ethical Responsibilities in Health Care, Computers and Technology in Health Care, Introduction to Infection Control, Obtaining and Recording Vital Signs, and Several Basic Clinical Skills. Medical Terminology is embedded throughout the program. Students will receive OSHA-10 Healthcare Certification and Basic Life Support during this course.

Course Name and Number	Credit Type	Credit	Weighted Value
Health Occupations II (8668)	CTE	2.0	

Course Description

This is the second in a series of three-year courses for the Health Occupations Career and Technical Education program. The topics covered in this course include Anatomy and Physiology of the Human Body, Human Growth and Development, Nutrition and Diets, Geriatric Care, Medical Math, and Infection Control. Medical Terminology will be embedded within this course as it relates to the topics covered and will be able to continue to grow on previous knowledge. *Students will take the Recognizing & Reporting Child Abuse Certification course and Heart Saver First Aid. **Prerequisite: Successful completion of Level I (Intro) Health Occupations**

Course Name and Number	Credit Type	Credit	Weighted Value
Health Occupations III (8669)	CTE	2.0	

Course Description

This is the third in a series of three-year courses for the Health Occupations Career and Technical Education program. The topics covered in this course are directly related to specific career pathways including: Dental Assistant Skills, Laboratory Assistant Skills, Medical Assistant Skills, Nurse Assistant Skills, Physical Therapy Skills, and Business and Accounting Skills. Preparing for the World of Work is also presented which includes cover letters, developing a resume, completing job application forms, job interviewing skills, determining net income and calculating/balancing a budget. Job Shadowing and Volunteering will be available during this course.**Prerequisite: Successful completion of Levels I and II Health Occupations**

Course Name and Number	Credit Type	Credit	Weighted Value
Health Occupations Supervised Experience	CTE	.5	

Course Description

Health Occupations Supervised Experience is made up of planned practical activities that support the development of the skills and competencies incorporated in the Health Occupations Curriculum. This course will aid the student in developing leadership skills, gain management experience, and become competent in record keeping. The student will meet with the Health Occupations Teacher on a weekly basis to discuss their experience and review the experience journal. Their experience journals are their responsibility and will be a part of their professional portfolio at the completion of this course. The various activities can include, but are not limited to, college and industry visitations, volunteer experiences within the medical field, job shadowing, additional certification opportunities, and HOSA and/or SkillsUSA-sponsored competitions or functions. This course may be taken more than once. **Prerequisite: Successful completion of Health Occupations I and approval from the Health Occupations Teacher.**

Industrial Technology and Trades

A passing grade is a prerequisite for advancement to the next level in Industrial Technology and Trade classes.

Course Name and Number	Credit Type	Credit	Weighted Value
Drafting I (8713)	CTE	1.0	

Course Description

For everything that is made, it has to be designed first! This Introductory course introduces students into the World of drawing and design. This course starts with the simpler skills of sketching, lettering, measuring, and works up to and through creating 2d and 3d drawings in AutoCad (computer-based drawing). Students will learn drafting skills and standards as they create different types of drawings in AutoCad. An introduction to different areas of drafting will also be explored.

Course Name and Number	Credit Type	Credit	Weighted Value
Technical Drafting II (8723)	CTE	1.0	

Course Description
This course will be a continuance of the development and use of Autocad. Along with the continuation of development of 2d drawings. More emphasis will begin to be placed on 3d drawings along with the incorporation of Inventor (3D modeling program). Use of the 3D printer will also be incorporated as students learn to design different parts to be printed.
Prerequisite: Drafting I

Course Name and Number	Credit Type	Credit	Weighted Value
Technical Drafting III (8733)	CTE	1.0	

Course Description
A Continuation of Drafting II, students will have a chance to take their drafting skills to the next level. Students will work on more in-depth projects in both the 2d and 3d World. Students will work on individual design projects where they will design and draw projects that will incorporate working and assembly drawings, along with animation of moving parts.
Prerequisite: Technical Drafting II

Course Name and Number	Credit Type	Credit	Weighted Value
Construction Drafting & Design (8743)	CTE	1.0	

Course Description
Interested in Designing houses? In this course students will learn the principles of residential construction and how to develop a basic set of architectural plans. The CAD system will be utilized in this development. Material estimates will be developed both manually and with the computer. **Prerequisite: Drafting I**

Course Name and Number	Credit Type	Credit	Weighted Value
Shop Skills (8772)	CTE	.5	

Course Description - ODD YEARS

Over the course, students will complete multiple hands-on projects that will reinforce the basic fundamentals of shop safety, hand tools, and power tools. The focus of this course includes basic woodworking and construction projects.

Course Name and Number	Credit Type	Credit	Weighted Value
Shop Maintenance and Repair (8773)	CTE	.5	

Course Description - ODD YEARS
In this course, students will conduct preventative maintenance and repair on shop machinery. They will learn about the properties of AC/DC motors, diesel engines, hydraulic, pneumatic, and electronic system on machinery, clutches and transmissions, as well as rigging and lifting of heavy load. Also included will be instruction on tool repair, electrical repair, and basic fabrication. Students will complete the OSHA 10-hour training for general industry.

Course Name and Number	Credit Type	Credit	Weighted Value
Woodworking I (8745)	CTE	1.0	

Course Description
In this course, students will build multiple projects using power tools and hand tools. Students will safely use a variety of bench tools, power hand tools, and hand tools. The course will be graded based on classroom assignments, required projects, and students chosen projects. Grading emphasis is on work ethic and safe shop practices.

Course Name and Number	Credit Type	Credit	Weighted Value
Woodworking II (8747)	CTE	1.0	

Course Description
In this course, students will build multiple projects demonstrating an increasing skill level. The students' projects will build on the skills that students gained in the first level course. Students use a variety of bench tools, power hand tools, and hand tools. The course will be graded based on classroom assignments, required projects, and students chosen projects. Grading emphasis is on work ethic and safe shop practices. **Prerequisite: Woodworking I**

Course Name and Number	Credit Type	Credit	Weighted Value
DIY: Home Improvement (8776)	CTE	.5	

Course Description

This course is designed to teach basic home improvement skills that can be used by anyone using basic tools and low-cost materials. This course will expose students to a variety of topics related to home maintenance, repair, and safety. Students will learn how to fix basic electrical, plumbing, framing, drywall problems, and complete home interior design projects. Additionally, students will learn about routine home maintenance. Students will learn about safety procedures for working on and maintaining a home. Students will be exposed to topics including painting, organizing, designing, and decorating a home. In addition to providing all students with the opportunity to learn how to complete safe repair and maintenance of a home, this course will act as a survey introduction to the construction program.

Course Name and Number	Credit Type	Credit	Weighted Value
Metalworking Technology I (8721)	CTE	1.0	

Course Description

Like Hands on work, and making things? Students will advance their technological culture and skills by studying and working with metallic substances and related composition. A large portion of this class will involve fabrication and the different types of welding. Other areas covered will be bench metal, foundry, forging, machining, and CNC machining. Class size limit 15. Students will need to pay for any personal shop projects.

Course Name and Number	Credit Type	Credit	Weighted Value
Metalworking Technology II (8725)	CTE	1.0	

Course Description

These courses are a continuation of Metalworking Technology I. In this course students will be able to build upon the basic skills they learned in Metalworking Technology I in hopes of developing their skills for a career related to metals. Advanced projects will be done in order to reinforce skills learned in machining and welding.

Course Name and Number	Credit Type	Credit	Weighted Value
Small Engines Technology (8731)	CTE	.5	

Course Description
During the semester, students will learn about the theory and operation of two-cycle and four-cycle engines. Students will dismantle and rebuild a four-cycle engine. Additionally, students will complete repairs and maintenance on two-cycle and four-cycle engines.

Course Name and Number	Credit Type	Credit	Weighted Value
Electricity (8755)	CTE	.5	

Course Description - ODD YEARS
Students will learn to run and connect residential wiring circuits. Including connecting breaker boxes, two-way, three-way, and four-way switches, reading wiring schematics, and calculating current for a circuit.

Course Name and Number	Credit Type	Credit	Weighted Value
Plumbing (8753)	CTE	.5	

Course Description - ODD YEARS
Students will learn to make various types of supply and drain line connections; interpret specifications and blueprints to install water, waste, and vent systems; install appliances and equipment; and troubleshoot and repair common plumbing problems. The safe and appropriate use of tools will be stressed throughout

Course Name and Number	Credit Type	Credit	Weighted Value
Agricultural Mechanics Supervised Lab Experience	CTE	.5	

Course Description

The agricultural mechanics lab is designed to get additional experience in the shops and in the field. Students in the second, third, and fourth year of the program may take this course along with any of the agricultural mechanics courses. Students may take labs for multiple years. Lab experience is made up of planned practical activities that support the development of the skills,

tasks, and abilities incorporated in the agricultural mechanics curriculum. It is designed to be an extended classroom/work-based learning experience related to the industry. The various lab activities will include in-school and after-school projects, college and industry visitations, and SkillsUSA sponsored functions.

Engineering

A passing grade is a prerequisite for advancement to the next level in Engineering classes.

Course Name and Number	Credit Type	Credit	Weighted Value
Engineering Trades I (8780)	CTE	1.0	

Course Description

Over the course of the year, students will complete several engineering challenges. While completing these challenges, students will learn about safety and ethics in engineering as well as problem-solving and teamwork skills as they apply to the engineering field. Students will be introduced and use the engineering design cycle throughout the course. Topics covered will include measurement, materials, and engineering careers. **Prerequisite: Students must be at least in their Sophomore year.**

Course Name and Number	Credit Type	Credit	Weighted Value
Engineering Trades II (8784)	CTE	1.0	1.05

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Course Description

This second-level engineering course will have a more in-depth focus on engineering systems, electronics, programming and manufacturing. The use. Throughout this project-based curriculum, students will learn about topics such as mechanical power transmission, drivetrain design, and lifting mechanisms and how they apply to mobile robotics. Students will also integrate sensors into their robot designs and learn how to write programs that will allow a robotic system to be controlled autonomously. Most of the course will focus on task-based challenges and class competitions. Any student with interests in engineering or computer science is encouraged to enroll.

Prerequisite: Engineering 1 Penn College NOW Dual Enrollment Course

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Course Name and Number	Credit Type	Credit	Weighted Value
Engineering Trades III (8785)	CTE	1.0	

Course Description
This third-level engineering course will examine advanced technological design and applications. In this project based course students may compete in engineering competitions as will complete a capstone engineering project. Finally, students will prepare to take the NOCTI exam in Engineering/Engineering Technologies. **Prerequisites: Engineering 2**

Course Name and Number	Credit Type	Credit	Weighted Value
Engineering Trades Supervised Experience (8789)	CTE	1.0	

Course Description
Supervised engineering experience is made up of planned practical activities that support the development of the skills and competencies incorporated in the Engineering Curriculum. There may be no set classroom time for this class. The various lab activities will include in-school and after school functions, and industry visitations and TSA sponsored functions. This is a single period class and is open to second- and third-year Engineering students.

School to Work Program

Course Name and Number	Credit Type	Credit	Weighted Value
School-to-Work A (8100) Grade 11, 12	ELEC	1.0	
School-to-Work B (8101) Grade 11, 12	ELEC	1.0	

Course Description
School-to-Work is designed for students who would like to extend their learning experience into the workplace. Students must apply and go through a competitive interview process with one of the numerous employers that have agreed to participate in the program. Students will be required to work (7) hours a week to receive credit. Students are required to make up all work missed in their regular classes. The employer will determine employee's salary

compensation, if any. Additional requirements for the STW Student are to complete a weekly log check and to complete a daily log.

WELLSBORO ONLINE ACADEMY

Through Wellsboro Online Academy [WOA], the Wellsboro Area School District expands learning opportunities for ALL students by using available technology to provide individualized instruction in a flexible learning environment.

Online Schedule Options

- **Full online schedule** - Students choosing this option are enrolled in all of their courses online; they are taught by WASD teachers through web technologies. This option allows students to do 100% of their education from home and does not require them to come into school for any part of the course.
- **Supplemental online schedule** - Students choosing this option are enrolled in one or more online courses to supplement their traditional academic schedule. Students may choose to be scheduled for a study hall to work on their online courses in school or schedule part of their day at home and part of their day at school depending on what meets the needs of the student. Some students take advantage of this option to pursue work opportunities, credit recovery or credit advancement. Other students use this opportunity to free up time within their regular schedule to take electives they may not have had room for otherwise.

Enrollment

The Wellsboro Online Academy classes follow a similar schedule to the in-school classes. Most WOA classes are full year courses, but there are some that are set up to be completed in a semester. Although we encourage students to enroll at the beginning of each semester to allow for an increased chance of success in their online courses, we operate on an open enrollment system to meet specific needs of students.

Orientation

- **New Students** - Students who are new to the Wellsboro Online Academy will be required to attend an orientation session with their parents. This session will review the policies and procedures of the Wellsboro Online Academy, login information and site navigation.
  Returning Students - Students enrolling in one or more online courses will be required to meet with Mrs. Giarth, Online Lead Teacher or their school counselor to review Wellsboro Online Academy orientation

Curriculum

The Wellsboro Online Academy utilizes the Accelerate Education Curriculum and Learning Management system for grades K-12. This curriculum has a robust library of standards aligned courses. In addition, Accelerate Education provides a wide array of courses to support career pathways and AP level curriculum. Students should consult their school counselor about the online courses available.

Course Completion / Pacing Guides

The Wellsboro Online Academy classes all follow a similar format. Each course has a course pacing guide that outlines due dates for all graded assignments, projects, and assessments throughout the semester. Although students are encouraged to adhere to the pacing guide, late assignments are accepted until the end of each quarter (9 week marking period). At the end of each quarter, grades will go into the gradebook as final to begin the second quarter for each semester.

Attendance

While all Wellsboro Online Academy classes are asynchronous (students may work at their own pace and are not required to login at specific times for live lessons), students are expected to log into their online courses consistently to maintain progress. Teachers will monitor student progress weekly. Attendance requirements will

be fulfilled for students who are completing assigned work with passing scores. For students not completing required work or receiving failing scores, a weekly report will be generated that provides documentation of the hours the student has logged into each course. Illegal absences will be recorded for days in which a student does not login.

High School Planning Worksheet

This course selection planning sheet is to help you decide what courses you would like to take over the next 4 years to make sure everything will fit.

	9th	10th	11th	12th
English (4.0 CR)				
Math (4.0 CR)				
Social Studies (4.0 CR)				
Science (4.0 CR)				
Physical Education (2.0 CR)			Health Class Required	
Arts and Humanities (2.0 CR) <u>Required</u>: Art (.5 CR) and Music (.5 CR)				
Personal Finance (.5 CR)			Personal Finance Required	
Career Electives (6.5 CR)				