

Annville-Cleona High School

2026-2027 Curriculum Guide

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Annville-Cleona High School

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Annville, Pennsylvania 17003
Telephone: 717-867-7700
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ADMINISTRATION AND COUNSELORS CONTACT INFORMATION

Administration

Mr. Kevin Brindle……..……..……..……...……...High School Principal
Mrs. Amanda Kenneff…….Middle School Principal/Associate High School Principal
Mr. Thomas Long.……...……...…….....Assistant Principal/Athletic Director

Counselors

Ms. Meghan Smith…….…… School Counselor (Grades 7,8, and 9)
Dr. Laura Brooks…….……..……...……..……School Counselor (Grades 10, 11, and 12)
Mr. Matthew Gross……....……...College and Career Readiness Counselor (Grades 7 thru 12)

Equal Opportunity Policy

The Board declares it to be the policy of this district to provide an equal opportunity for all students to achieve their maximum potential through the programs offered in the schools regardless of race, color, age, creed, religion, sex, sexual orientation, ancestry, national origin, marital status, pregnancy, or handicap/disability. The district policy of nondiscrimination complies with state and federal laws including Title VI of the Civil rights Act of 1964, Title IX of the Education Amendments of 1972, and the Rehabilitation Act of 1973.

Accreditation

The Annville-Cleona Secondary School is accredited by the Pennsylvania Department of Education and Intermediate Unit 13.

Table of Contents

Administration and Counselors Contact Information……2
A Message from the Administration……4
Graduation Requirements……5-9
Class Standing……9
NCAA Eligibility and Approved Courses……10-11
Curriculum Offerings……12-14
Dutchmen Virtual Academy……15-16
Additional Curricular Options……17-28
Grading System……29-31
Student Academic Recognition……32
Procedures for Student Schedule Changes……33-34
Course Offerings by Department……35
English Department……36-42
Mathematics Department……43-48
Science Department……49-54
Social Studies Department……55-59
World Language Department……60-62
Agricultural Science Department……63-67
Art Department……68-71
Business Department……72-74
College and Career Readiness……75
Family and Consumer Sciences Department……76-77
Health & Physical Education Department……78-80
Music Department……81-84
Special Education Offerings……85-88
Technology Education Department……89-92
Lebanon County Career and Technology Center……93-103
Appendix……104-107
Course Selection Form……108

A MESSAGE FROM THE ADMINISTRATION

Dear Students and Parent(s)/Guardian(s):

One of the most important decisions that a student and his/her family make involves course selection for the following school year. Whether college, trade school, armed forces, or the workforce is planned immediately following graduation, high school course selection will play a key role in the development of the skills needed to meet future goals. Students should consult with parents, teachers, administrators, and counselors to make their personal selections for the most appropriate coursework.

Current Annville-Cleona eighth graders (Class of 2030) will utilize this document for the first time to make their course selections. School counselors will thoroughly review the information with all eighth-grade students in preparation for their freshmen year. It is critical that all eighth-grade students review and select the curricular track that suits their educational and career goals. The general information, course pathways, and course descriptions have all been developed to assist in this decision-making process. There is also an appendix of career cluster information to help with course selection based on career goals.

Student selection of courses drives the development of the building schedule for the 2026-2027 school year. Please take special precautions in selecting courses; tentative schedules will be developed in the spring of the year and schedule changes following the release of tentative schedules must be kept to a minimum. Parent signatures will be required on course selection sheets prior to meeting with a counselor to finalize course requests for 2026-2027 to help limit course changes.

The school staff, including teachers, counselors, and administration, will be happy to answer any questions that you may have. Please do not hesitate to contact the secondary school office at (717) 867-7700 as you work through this process.

Professionally,



Kevin Brindle, M. Ed.
High School Principal

District Mission Statement: Foster an environment that encourages student success by challenging them to become contributing, productive citizens in society.

District Vision: Engage • Inspire • Empower

District Shared Values:

Promote a culture that supports:

- Students first
- Inclusion and equity through a safe and caring school environment
- Active involvement, collaboration, and partnerships with the community
- Relationships committed to integrity, honesty, and responsibility

Alma Mater: We raise our voices to the sky in deep humility, for all that we have come to know the truth that sets man free. We dare not look behind us; the future's ours to possess. For all we are we owe to thee our dear ACHS.

GRADUATION REQUIREMENTS

To graduate from the Annville-Cleona School District, a student must successfully master the content contained in the school board-approved secondary school curriculum. Each student must accumulate a minimum of 24 course credits to graduate.
In extreme or unique circumstances, a student may be permitted to graduate with no fewer than 21 credits, consistent with Pennsylvania Department of Education minimum requirements. Such determinations will be made on an individual basis, in consultation with district administration, and, when applicable, through the IEP team process, while ensuring the student has met required academic standards and graduation competencies.
Specific graduation requirements include:

Subject	Grade 9	Grade 10	Grade 11	Grade 12	Credits to Graduate
English	1	1	1	1	4*
Mathematics	1	1	1		3**
Science	1	1	1		3
Social Studies	1	1	1		3***
Art	0.5				0.5
Business Education	0.5				0.5
Health	0.5				0.5
Family and Consumer Science	0.5				0.5
Music	0.5				0.5
Physical Education	1				1
Technology Education	0.5				0.5
Electives	As needed to meet minimum of 24 total credits				
Graduation Portfolio	See information on page 8				
Keystone Exams	See information on page 8				

*English – All students are required to take the prescribed English courses during their 9th and 10th grade years. Students must then take at least two more required options during their 11th and 12th grade years.

****Math – All students who plan to pursue post-secondary education must take 4 credits, as most higher education institutions will require this.** Students who have successfully taken Algebra 1 CP **and** Geometry CP at the Middle School, are only required to take 3 credits of math at the High School

***Social Studies - All students are required to take three prescribed Social Studies courses during their time at the High School.

Sample Schedule

Subject	Grade 9	Grade 10	Grade 11	Grade 12	Credits to Graduate
English	1 – English 9 CP or Honors English 9	1 – English 10 CP or Honors English 10	2 – English Essentials 1 or English Essentials 2 or American Literature CP or British Literature CP or AP Language & Composition CHS or AP Literature & Composition CHS or English Composition 1 CHS/English Composition 2 CHS		4*
Mathematics *(* notates a prerequisite to qualify for a Mathematics credit)*	1 – Algebra 1 Algebra 1A or Algebra 1B or Math Survey or Geometry CP or Algebra 2 CP or Honors Precalculus	1 – Math Survey or Geometry CP or Finite Math or Algebra 2 CP or Business Calculus CHS or Honors Precalculus or AP Calculus A/B CHS	2 – Finite Math or Algebra 2 CP or Precalculus CP or Probability & Statistics CP or AP Statistics or Analytic Geometry & Calculus 1 CHS or AP Calculus A/B CHS or AP Calculus B/C or Accounting 1* or Business Math* or Business Calculus or Technical Math*		4**
Science *(* notates a prerequisite to qualify for a Science credit)*	1 – Biology A CP or Honors Biology	1 – Biology B CP or Honors Biology or Chemistry CP or Honors Chemistry, or Physics CP	1 – Principles of Physics 1 CHS or Principles of Biomedical Science DE or Chemistry CP or Honors Chemistry or Chemistry 2 or Physics CP or Honors Anatomy & Physiology or Honors Genetic or Food Science* or Animal Science* or Plant Science*		3
Social Studies	1 – American History 2 CP or Essentials of America: Skills for Life and Citizenship	1 - Global Studies or Understanding our World: Cultures and Connections	1 – American Government CP or U.S. History from Reconstruction to the Present CHS or U.S. History from Settlement through the Civil War CHS or Everyday Citizenship: Understanding your Role in the World		3***
Art	0.5 - Survey of Art & Design				0.5
Business Education	0.5 - Personal Financial Literacy				0.5
Health	0.5 – Health				0.5
Family and Consumer Science	0.5 - Family and Consumer Science Skills				0.5

Music	0.5 - Chorus 9-12 or Electronic Music or History & Performance of American Popular Music or History & Performance of Music Through the Ages or Introduction to Theater or Madrigals or Senior High Band	0.5
Physical Education	1 - Accelerated HS PE 1 or Advanced Weight Training or Introduction to Weight Training or Trends in Fitness or Online Drivers Education or General Physical Education	1
Technology Education	0.5 - Agricultural Engines and Technology or Introduction to Agricultural Science or Architecture Design & Development or Woods 1 or Woods 2 or Graphic Communications Technology or DIY: Agriculture and Technology or Construction Technology or Ag & Technology Metal Fabrication or Robotics 1 or Product Design	0.5
Electives	As needed to meet minimum of 24 total credits	
Graduation Portfolio	See information on page 8	
Keystone Exams	See information on page 8	

Early Graduation

Students are permitted to accelerate their progress towards graduation and graduate up to one full academic year earlier than their original 9th grade cohort is scheduled to do so. This acceleration may be completed through the Dutchmen Virtual Academy (online) or an accredited post-secondary institution at the learner's expense.

1. All Annville-Cleona graduation requirements including minimum number of credits earned and all required courses must be completed prior to the issuance of a diploma.
2. Students graduating in January are permitted to attend and/or participate in traditional senior year activities and events such as commencement, prom, senior breakfast, class trip, etc.; however, they are no longer eligible to participate in interscholastic sports as per PIAA policy.
3. Algebra 1 CP, English 10 CP/Honors English 10, and Biology CP/Honors Biology are not eligible for accelerated credit.

Graduation Portfolio

All students are required to complete a graduation portfolio in conjunction with the district's College and Career Readiness Program. The transition-focused portfolio will be compiled through the Counseling Department and in conjunction with the full faculty as appropriate. More information regarding this requirement can be found in the District Website.

Keystone Exams

Senate Bill 1095 was signed into law by Governor Tom Wolf on October 24, 2018, becoming Act 158 of 2018, shifting Pennsylvania's reliance on high-stakes testing as a graduation requirement to provide alternatives for high school students to demonstrate readiness for postsecondary success. The statewide graduation requirement outlined in Act 158 took effect for the graduating Class of 2023.

Under the amended bill, a student could earn a diploma in a number of ways. For example, they could earn a diploma if they meet their LEA's grade requirements and either achieve what the State Board of Education determines to be a passing score on the SATs; pass the military entrance exams; gain acceptance into a four-year college; or secure a full-time job that aligns with their career plan, doing an internship, and satisfactorily completing a pre-approved community service project. According to the amended bill, a student would earn a diploma if s/he achieves one of the following:

- Keystone Proficiency Pathway
    - Scoring proficient or advanced on each Keystone Exam - Algebra 1, Literature, and Biology.
- Keystone Composite Pathway
    - Earning a satisfactory composite score on the Algebra 1, Literature, and Biology Keystone Exams. Students achieving a minimum scaled score of less than 1500 on a Keystone Exam may meet statewide requirements under the new Keystone Composite Pathway provided:
        - No score of below basic was earned for any Keystone Exam,
        - A score of proficient or advanced was achieved on at least one Keystone Exam, and
        - The composite score for all three Keystone Exams is 4452 or greater.
- Career and Technical Education (CTE) Concentrator Pathway
    - Students must meet locally established grade-based requirements for academic content associated with every Keystone Exam on which the student earned a score of Basic or Below Basic.
    - Student must attain an Industry-Based Competency Certification related to the program of study or demonstrate either 1) readiness for continued meaningful engagement in the program of study or 2) a high likelihood of success on an approved industry-based assessment.
- Alternative Assessment Pathway
    - Students must meet locally established grade-based requirements for academic content associated with every Keystone Exam on which the student earned a score of Basic or Below Basic.
    - In addition to meeting the grade-based requirements, the student must provide one (1) piece of pathway-related evidence demonstrating preparedness for postsecondary success.
        - For evidence required under the Alternative Assessment and Evidence-Based Pathways, please refer to the chart found through the following link: Alternative Assessment Evidence .
- Evidence Based Pathway
    - Students must meet locally established grade-based requirements for academic content associated with every Keystone Exam on which the student earned a score of Basic or Below Basic.

- In addition to meeting the grade-based requirements, the student must provide three (3) pieces of pathway-related evidence demonstrating preparedness for postsecondary success.
  - For evidence required under the Evidence-Based Pathways, please refer to the chart found through the following link: Evidence Based Pathway Evidence.

Out-of-state transfer students who have passed other states' assessments may be deemed proficient provided they meet Pennsylvania Commonwealth Guidelines.

Further, Senate Bill 1216 was signed by Governor Wolf on November 25, 2020, and is now Act 136. Act 136 indicates the use of the Keystone Exams as a graduation requirement or as a benchmark for the need for participation in a project-based assessment shall be delayed until the 2022-2023 school year.

CLASS STANDING

Each academic school year, every student must register for a minimum of 6.5 credits and a maximum of 9 credits (including summer credit). Courses in English, social studies, math, and science must be passed in their sequential order, when indicated by a grade level. Only summer school programs sponsored by the school district may be utilized to meet promotion or graduation requirements when failures occur. In order for a student to progress satisfactorily toward graduation, he or she shall accumulate, at a minimum, the amount of credits below:

FROM	TO	CREDITS
Grade 9	Grade 10	6.5
Grade 10	Grade 11	13.00
Grade 11	Grade 12	19.5
Grade 12	Graduate	24.00

Any student not accruing the recommended credits above will need to meet the minimum number of credits listed below to move to the next grade for the purposes of class meetings, eligibility for class rings, etc. Students will be required to maintain the grade level status respective to the total number of credits accrued.

FROM	TO	MINIMUM CREDITS
Grade 9	Grade 10	4.00
Grade 10	Grade 11	11.00
Grade 11	Grade 12	17.00
Grade 12	Graduate	24.00

NCAA ELIGIBILITY AND APPROVED COURSES

Students who are interested in pursuing athletics at the collegiate level should consider the NCAA requirements when choosing classes.

NCAA Division I Academic Eligibility

To be eligible to compete in NCAA sports during your first year at a Division I school, you must graduate high school and meet ALL the following requirements:

- Complete 16 core courses**:**
  - Four credits of English
  - Three credits of math (Algebra 1 or higher)
  - Two credits of natural/physical science (including one year of lab science)
  - One additional credit of English, math or natural/physical science
  - Two credits of social science
  - Four additional credits of English, math, natural/physical science, social science, or world language
- Complete 10 core courses, including seven in English, math or natural/physical science, before the seventh semester. Once students begin their seventh semester, they may not repeat or replace any of those 10 courses to improve their core-course GPA.
- Earn at least a 2.3 GPA in their core courses.
- Earn an SAT combined score or ACT sum score matching their core-course GPA on the Division I sliding scale, which balances their test score and core-course GPA. If students have a low-test score, they need a higher core-course GPA to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible.

NCAA Division II Academic Eligibility

To be eligible to compete in NCAA sports during your first year at a Division II school, you must meet academic requirements for your core courses, grade-point average (GPA) and test scores.

You must graduate high school and meet ALL the following requirements:

- Complete 16 core courses:
  - Three years of English.
  - Two years of math (Algebra 1 or higher).
  - Two years of natural or physical science (including one year of lab science if your high school offers it).
  - Three additional years of English, math or natural or physical science
  - Two years of social science
  - Four additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy
  - Earn at least a 2.2 GPA in your core courses.
  - Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division II sliding scale, which balances your test score and core-course GPA. If you have a low-test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

Please visit the NCAA Eligibility Center website for specific details and requirements: https://www.ncaa.org/sports/2014/10/6/core-courses.aspx

Annville-Cleona offers the following core courses that meet NCAA requirements, as indicated with this logo in the course listing.

NCAA Core Courses		
English	• American Literature CP • British Literature CP • English 10 CP • English 9 CP • Honors English 10 • Honors English 9	• AP Language and Composition CHS • AP Literature and Composition CHS • Creative Writing • English Composition 1 CHS • English Composition 2 CHS • Public Speaking
Math	• Algebra 1 CP • Algebra 2 CP • Finite Math • Geometry CP • Honors Precalculus • Math Survey • Precalculus CP • Probability & Statistics CP	• AP Calculus A/B CHS • AP Calculus B/C • AP Probability and Statistics • Business Calculus CHS
Science	• Biology B CP • Chemistry CP • Chemistry 2 CP • Honors Anatomy & Physiology • Honors Biology • Honors Chemistry • Honors Genetics • Biology A CP	• AP Biology • Principles of Physics I CHS • Crime Scene Investigation • Physics CP • Plant Science • Principles of Biomedical Science DE • Topics in Science
Social Studies	• American Government CP • American History 2 CP • Global Studies CP • Introduction to Psychology CHS • World History: Crisis and Conflict	• Sociology • Sport in History • U.S. History from Reconstruction to the Present CHS • U.S. History from Settlement through the Civil War CHS • World History: European History
World Language	• French 1 (DVA) • French 2 (DVA) • Honors French 3 (DVA) • Honors French 4 (DVA)	• Spanish 1 • Spanish 2 • Honors Spanish 3 • Honors Spanish 4 • Intermediate College Spanish 1 CHS

CURRICULUM OFFERINGS

English Courses
American Literature CP
AP Language and Composition CHS
AP Literature and Composition CHS
British Literature CP
Creative Writing
EL Language Immersion
English 9 CP
English 10 CP
English Composition 1 CHS
English Composition 2 CHS
English Essentials 1
English Essentials 2
Honors English 9
Honors English 10
Journalism: Broadcasting 1
Journalism: Broadcasting 2
Journalism Introduction
Journalism Yearbook Publications
Public Speaking

Mathematics Courses
Accounting 1
Algebra 1A
Algebra 1B
Algebra 1 CP
Algebra 2 CP
AP Calculus A/B CHS
AP Calculus B/C
AP Statistics
Business Calculus CHS
Business Math
Finite Math
Geometry CP
Honors Precalculus
Math Survey
Precalculus CP
Probability and Statistics CP
Technical Math

Science Courses
Animal and Plant Biotechnology
Animal Science
AP Biology
Principles of Physics I CHS
Biology A CP
Biology B CP
Chemistry CP
Chemistry 2 CP
Crime Scene Investigation
Food Science
Honors Anatomy & Physiology
Honors Biology
Honors Chemistry
Honors Genetics
Physics CP
Plant Science
Principles of Biomedical Science DE
Topics in Science

Social Studies Courses
American Government CP
American History 2 CP
Essential of. of American.: Skills for Life and Citizenship
Everyday Citizen.: Understand your role in the world
Understanding our World: Cultures and Conn.
Global Studies CP
Introduction to Psychology CHS
Sociology
Sport in History
U.S. History from Recon. to the Present CHS
U.S. History from Settl. thru the Civil War CHS
World History: Crisis and Conflict
World History: European History

World Language Courses
French 1
French 2
Honors French 3
Honors French 4
Honors Spanish 3
Honors Spanish 4
Intermediate College Spanish 1 CHS
Spanish 1
Spanish 2

Agricultural Science Courses
Agricultural Engines and Technology
Ag & Technology Metal Fabrication
Animal Science

DIY: Agriculture and Technology
FFA/Leadership Development
Food Science
Greenhouse Production & Management Science
Introduction to Agricultural Science
PA Wildlife, Aquatics, and Natural Resources
Plant Science
Supervised Ag Experience (SAE)

Art Courses
Ceramics
Ceramics CHS
Digital Art
Digital Photography
Digital Photography CHS
Drawing
Fine Arts Fusion
Painting
Sculpture
Survey of Art and Design

Business Education Courses
Accounting 1
Entrepreneurship
Ethical Leadership
Introduction to Business
Marketing and Advertising
Personal Financial Literacy

College and Career Readiness Courses
Cooperative Work Experience & Internships
Leadership Skill Development
Right Start to College 1 CHS

Family and Consumer Science Courses
Culture and Cuisine
Family and Consumer Science Skills
Foods 1

Health and Physical Education Courses
Accelerated HS PE 1
Accelerated HS PE 2
Advanced Weight Training
Online Drivers Education
Health
Introduction to Weight Training
General Physical Education
Trends in Fitness

Music Courses
A-C Chorale
Chorus 9-12
Music Technology
History and Perf. of American Popular Music
History and Perf. of Music Through the Ages
Introduction to Theater
Madrigals
Music Theory 1
Music Theory 2
Music Theory 3
Senior High School Band

Special Education Courses
Academic Support Skills
Behavioral Support Skills
Foundations Algebra 1A
Foundations Algebra 1B
Foundations Pre-Algebra
Foundations English 9
Foundations English 10
Foundations English 11
Foundations English 12
Life Skills Support

Technology Education Courses
Architecture Design and Development
Construction Technology
DIY: Agriculture and Technology
Graphic Communications Technology
Introduction to Agriculture Science
Ag & Technology Metal Fabrication
Product Design
Robotics
Woods 1
Woods 2

Lebanon County Career and Technology Center Courses

Half-Day Two-Year Courses
Auto Body Technology
Automotive Technology
Carpentry/Residential Construction
Diesel Truck Technology
Electrical Technology
Electromechanical Technology
Health Careers Technology
Industrial Machine Technology
Landscape and Horticulture
Law Enforcement and Security
Masonry
Medical Assistant
Dental Assistant
Media Communications Technology
Commercial Art and Design
Computer Network Technology and Cybersecurity
Plumbing/Heating/Air Conditioning
Precision Machining Technology
Sports Therapy Sciences
Welding Technology

Full Day Courses
Culinary Arts
Pastry Arts

Half-Day Year One and Full-Day Year Two Program
Cosmetology

Additional Full Day Senior Courses at LCCTC
CTC English - REQUIRED
CTC Trig. & Beginning Calculus
CTC Contract Physical Education
CTC Precalculus
CTC Probability & Statistics
CTC Calculus
CTC Algebra 1
CTC Algebra 2
CTC Geometry & Intermediate Algebra
CTC Applied Math 1

Dutchmen Virtual Academy

DUTCHMEN VIRTUAL ACADEMY (ONLINE SCHOOL)

The Dutchmen Virtual Academy (DVA) is the district virtual education program that provides students the opportunity to take classes in an online setting. Our virtual school offers a dynamic online platform tailored to individual needs. With interactive classes, personalized learning pathways, an option for hybrid scheduling, and dedicated local teachers, we provide a flexible and engaging environment for students to thrive academically.

Each student in our program has an individualized educational program designed to meet their academic needs with an eye toward their goals for the future. DVA students remain part of the Annville-Cleona community who can participate in athletics, clubs, and activities and will graduate with an Annville-Cleona diploma.

DVA Course Options and Information
The Annville-Cleona School District offers various educational pathways through the DVA virtual platform:

Student Enrollment Types:

- Full-time DVA students: Enrolled in the DVA program full-time.
- Hybrid students: Spend their full day in the building but take at least 2 classes during a study hall.
- Part-time students: Spend part of each day completing coursework from home.

Students currently attending other cyber schools can transfer to DVA and graduate with an Annville-Cleona diploma. Additionally, fee-based credit recovery courses are available during summer school through DVA.

In-person Annville-Cleona students can enrich their educational experience by taking DVA electives or core content and AP courses not offered in the classroom.
Students can choose:

- One semester (0.5 credit) course
- Two semester (0.5 credit each) courses
- One year-long (1.0 credit) course

Coursework can be completed independently or during study hall. Please note that while the district covers the enrollment fee, students are responsible for additional costs, such as books, equipment, and AP test fees for AP courses.

Course Offerings:

Core Content and AP Courses: Many of the core content courses offered in the online program are taught by A-C teachers and align with the content covered in the classroom. DVA also offers students the opportunity to take specialized core courses and Advanced Placement courses that may not be available in person or will not fit in the student's in-house schedule.

Career-Focused Courses: DVA provides a wide range of career-oriented courses designed to prepare students for the workforce or give them a head start on college content. Available career clusters include, but are not limited to:

- Business
- Health Science
- Human Services
- Law, Public Safety, Corrections, and Security

Featured Program:

Administrative Specialist Career-ready Track: Students who enroll in this program will take courses that will prepare them for industry-recognized certification exams for administrative specialists. Students can choose a concentration in business, legal, or medical office.

- Business (2.5 credits) - NOCTI for Administrative Assisting or Business Information Processing
- Legal (3 credits) - NOCTI for Business Information Processing
- Medical Office (2.5 credits) - Certified Medical Administrative Assistant (CMAA)

For a current list of available courses, please refer to the DVA Course List. Please note that course offerings are subject to change based on instructor availability and other factors.

Next Steps: If you are interested in enrolling in DVA, please contact the Counseling Department at 717-867-7700 for further information or review the information posted on the school district website at https://www.acschools.org/o/acsd/page/dva.

ADDITIONAL CURRICULAR OPTION

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) courses are available in several subject areas and are weighted as a 1.4 when determining class rank and QPA. *Advanced Placement* is a nationally accredited program of the College Examination Board. The purpose of taking an advanced placement course is to obtain college credit for coursework prior to college admission. Students are ***required*** to take the advanced placement exam at the conclusion of the course (unless the course is also operated concurrently as a CHS course). The cost for each AP exam is $99.00 and payment is by June 5, 2026 (a letter will be provided from the Counseling Department closer to the date with information regarding payment). Payment arrangements can be established to assist families with paying for the AP exam. For those families who need financial assistance, the AP College Board offers a reduced fee. Announcements for test sign-up are made on the public address system and through the Advanced Placement teachers. Students must enroll for AP examinations in the counseling office in November of the school term. Exams are administered in May of each school year. Students taking an AP course for CHS credit are not required to take the AP exam. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit. Students may take an AP exam in any of the subject areas the exam is offered, however, credit will not be awarded on the A-C transcript and no adjustments to QPA/GPA or class rank will be made despite receiving a passing score. Passing the AP exam will not enhance a course's weighted credit for an individual student. All students who pass the AP exam with a 3,4, or 5 can submit that receipt to the District for full reimbursement. Students who enroll into AP level courses will the cross referenced with our free-reduced lunch list. Our Counseling Department will proactively reach out to support any financial hardships.

The following are the AP course offerings:			
English	• AP Language and Composition CHS • AP Literature and Composition CHS	**Science**	• AP Biology • AP Chemistry (DVA)
Math	• AP Calculus A/B CHS • AP Calculus B/C • AP Statistics • AP Computer Science (DVA) • AP Computer Science Principles (DVA)	**Social Studies**	• AP Psychology (DVA) • AP U.S. Government & Politics (DVA) • AP U.S. History (DVA) • AP European History (DVA)
World Language	• AP Spanish (DVA)		

CASE COURSE CREDIT FOR COLLEGE

CASE – Curriculum for Agricultural Science Education is a transformative, inquiry-based curriculum to help drive student-focused activities, projects and problems. Students taking a course instructed by a CASE certified teacher can earn post-secondary credit. Currently there are 5 colleges and universities (University of Delaware, Rutgers University,

Michigan State University, University of Maryland, and Blue Ridge Community and Technical College) that offer guaranteed credit for passing a CASE certified course in High School. Courses identified for this partnership will be identified by the CASE logo.

HACC COLLEGE IN THE HIGH SCHOOL (CHS)

Through a partnership with the Harrisburg Area Community College, Annville-Cleona High School students may earn both high school and college credit concurrently for select approved courses. For the 2025–2026 school year, the proposed college in the high school courses are: English Composition 1 CHS, English Composition 2 CHS, AP Language and Composition CHS, AP Literature and Composition. These courses are taught by Annville-Cleona teachers during the regular school day and are tightly aligned with our curriculum in that the collegiate-level coursework mirrors the ACSD coursework. The college in the high school offerings represent an opportunity for significant financial savings for our families. Information regarding the CHS program is below; however, counselors will be able to provide specifics.

1. Harrisburg Area Community College currently offers these courses at a cost of $83.50 per credit ($250.50 for the course), however this is subject to change for the 2026-2027 school year.
2. Students participating in the federal free and reduced lunch program, and those families experiencing financial hardship, are eligible to apply for a reduced course fee.
3. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service, nor do they receive any financial benefit from the College.
4. Annville-Cleona High School teachers participating in the program have been accepted/approved by Harrisburg Area Community College as CHS adjunct professors.
5. Students will be awarded 3.0 credits on a Harrisburg Area Community College transcript and 1.0 credit on their Annville-Cleona transcript upon successful completion of a full-year course.
6. College in the High School courses are weighted as a 1.4 on the Annville-Cleona transcript when determining class rank (for core courses) and QPA.
7. Credits earned via this program are transferable to many colleges or universities that normally accept such credits. The university transcript does not include any notation that the course was completed via the CHS program.
8. Student applications must be completed in order to take part in the CHS program with the Harrisburg Area Community College; there is no fee for the application. This deadline for applications is in the spring/summer of the previous school year and will be publicized.
9. Placement tests may be required by HACC to determine eligibility of participating in the CHS program.
10. CHS students may be required to complete assignments that are specific to the CHS program and may be different from non-CHS course assignments.
11. CHS students may be graded on two different grading requirements while completing the CHS course as a result of different requirements for each institution.
12. Students are encouraged to check with their prospective college/university if the credits will transfer.
13. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

HACC DUAL ENROLLMENT

Annville-Cleona High School offers a unique opportunity for qualified Annville-Cleona students to take college-level courses, both virtually and on the HACC campus while attending high school. Prior to registering for a course at any accredited post-secondary institution, students must apply for and receive approval from the building administrator to assure acceptance of credits. Applications can be obtained in the counesling office. When approved, students will receive a 1.0 A-C credit for a 3.0 college credit hour course. A variety of pay-as-you-go courses are available for students who wish to earn elective credit through college or university programs.

1. Harrisburg Area Community College currently offers these courses at a cost of $525 per course, however this is subject to change for the 2026-2027school year. Most courses are offered in an asynchronous fashion (online); however, some courses are offered at HACC Lebanon campus.
2. Students must have completed at least two years of high school coursework in order to be eligible for HACC dual enrollment opportunities.
3. Students participating in the federal free and reduced lunch program, and those families experiencing financial hardship, may be eligible to apply for a reduced course fee.
4. A student is not permitted to substitute a college course for a Keystone high school course.
5. Students are responsible for transportation, fees, tuition, books, equipment and lab costs.
6. Students are responsible for attending all dual enrollment classes, as well as attending assigned high school classes.
7. Midterm grades issued by the college will be recorded on high school records as either the first or third marking period grade during the semester the course is taken, regardless of the date the grades are issued by the college.
8. Students should avoid penalties for dropping courses by reviewing drop/withdrawal rules prior to dropping a class.
9. Be aware that dropping a college level course may result in a student not meeting the district credit and course requirements.
10. Annville-Cleona High School will award 1.0 credit per course per semester in which the college course is scheduled for a minimum of three clock hours per week.
11. The weighted course difficulty for college coursework is 1.4 for the purposes of calculating class rank (for core courses); course grades will be utilized in this calculation. Only one course per semester will count towards QPA/GPA and class rank, as this falls under our transfer credit process.
12. Students are responsible for providing an official grade transcript to his/her counselor at the conclusion of the semester. Failure to provide proof of an official grade transcript to the counselor at the conclusion of the semester may preclude the course from being counted in the student's GPA and QPA calculation.
13. In order to be an active/eligible A-C student, students must be on A-C's campus and enrolled in at least one (1) course(s) every marking period (excluding full-time DVA students and students in placement). Policy 217 Graduation Requirements.
14. If a course is offered as a College in the High School (CHS) course, then students must take the CHS course before a Dual Enrollment course, unless the Dual Enrollment course is at no cost to the student.

15. Students may request no more than one (1) high school Dual Enrollment transfer credit during each semester or the summer for a core credit. A summer course will not count towards QPA or class rank.
16. Courses can only be taken as a Dual Enrollment if there is not a comparable in-house course (excluding DVA offerings).
17. With administrative pre-approval, a student may take a Dual Enrollment course if there is a comparable in-house course, but the student is not able to access the course because of scheduling conflicts. If the student/course is approved by administration, the course(s) will not be included when calculating a QPA and class rank (the grade will still appear on the transcript).
18. Students are encouraged to check with their prospective college/university if the credits will transfer.
19. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

LEBANON COUNTY CAREER AND TECHNOLOGY CENTER (CTC)

To qualify for the Lebanon County Career and Technology Center, students must successfully satisfy the required graduation requirements and demonstrate, by past performance, their aptitude, interest, and achievement in academic areas related to their vocational technical field. Prospective students MUST make application for admission to the Lebanon County Career and Technology Center through the school counselor. This application must be completed and returned to the counselor by March 1, 2026, to attend in the fall of 2027. Students hoping to attend in the fall of 2026 should plan to have their application submitted by March 1, 2026. Students who meet the deadline for admission earn first consideration for admission to programs.

LEBANON COUNTY CAREER AND TECHNOLOGY CENTER

Beginning for the 2026-2027 school year, the selection process for programs will be changed in the following manner:

- Open seats for A-C will be prioritized for students who are able to complete both years of a two-year program (this means that upcoming juniors will be given priority before upcoming seniors are considered).
- Upcoming seniors may enroll in any two-year program only if seats remain available at the application deadline

In the event that there are multiple applicants for a program opening, the following criteria are used to determine the student whose academic and personal conduct has earned the open spot: (1) GPA (2) Attendance (3) Discipline Record (4) Rigor of Academics. Students attending full day sessions will receive six (6) credits and half day will receive three (3) credits. All full-day students will be enrolled in English at the Lebanon County Career and Technology Center as a one (1) credit course, in addition to the six (6) credits for a total of seven (7) credits.

We encourage all students to consider programs offered at the Career and Technology Center (CTC). For more information, view the website at www.lcctc.edu.

Half-Day Two Year Programs (Juniors and Seniors) Nineteen CTC programs are offered for a half-day for two years. These programs are open to students beginning in their junior year.	
Auto Body Technology	Automotive Technology
Carpentry/Residential Construction	Diesel Truck Technology
Electrical Technology	Electromechanical Technology
Health Careers Technology	Landscape and Horticulture
Dental Assistant	Media Communication Technology
Law Enforcement and Security	Masonry
Medical Assistant	Network Technology
Plumbing/Heating/Air Conditioning	Sports Therapy Sciences
Precision Machine Technology	Precision Machine Technology
Welding Technology	Health Careers Technology
Commercial Art and Design	

Full Day Programs Five CTC programs are offered for a full day, 8:05am–2:10pm. The programs are open to seniors.	
Pastry Arts	Culinary Arts

Half-Day Year One and Full-Day Year Two Program This program is offered for a half-day in year one and a full day in year two. The program is open to students in their junior year.
Cosmetology

LEBANON VALLEY COLLEGE COLLEGE IN THE HIGH SCHOOL (CHS)

Students have the opportunity to take College in the High School courses at A-C with our staff members while earning credit at LVC. The partnership will expand our CHS opportunities for students. Currently, we offer digital photography, principles of physics, and ceramics for college credit through this LVC partnership.

LEBANON VALLEY COLLEGE DUAL ENROLLMENT

A limited number of tuition-free courses are available for high school students each semester through Lebanon Valley College's Dual Enrollment program. In order for students to be considered for this option, the following criteria apply:

1. LVC offers a tuition-free course to students taking the course during the regular school term; summer courses will not be considered for the discounted rate.
2. Students must fill out an application (this can be found in the Counseling Office) and choose classes they would like to take. Seniors are eligible for classes first, based on a minimum 3.0

weighted grade point average. Juniors will be considered if space is available. Standards established for such eligibility will apply.

3. Students who meet the required criteria may be eligible for tuition-free course work. Students are reminded that this option is a privilege requiring appropriate maturity and responsibility.
4. Students are responsible for transportation, extra fees, books, equipment and lab costs.
5. Students should avoid penalties for dropping courses by reviewing drop/withdrawal rules prior to dropping a class.
6. Courses are not eligible to be dropped after the add/drop period or students may be required to pay all course fees.
7. Be aware that dropping a college level course may result in a student not meeting the district credit and course requirements.
8. Annville-Cleona High School will award 1.0 credit per course per semester in which the college course is scheduled for a minimum of three clock hours per week.
9. The weighted course difficulty for college coursework is 1.4 for purposes of calculating class rank (for core courses); course grades will be utilized in this calculation. Only one course per semester will count towards QPA/GPA and class rank, as this falls under our transfer credit process.
10. Students are responsible for providing an official grade transcript to his/her counselor at the conclusion of the semester. Failure to provide proof of an official grade transcript to the counselor at the conclusion of the semester may preclude the course from being counted in the student's GPA and QPA calculation.
11. In order to be an active/eligible A-C student, students must be on A-C's campus and enrolled in at least one (1) course(s) every marking period (excluding full-time DVA students and students in placement). Policy 217 Graduation Requirements.
12. If a course is offered as a College in the High School (CHS) course, then students must take the CHS course before a Dual Enrollment course, unless the Dual Enrollment course is at no cost to the student.
13. Students may request no more than one (1) high school Dual Enrollment transfer credit during each semester or the summer for core credit. A summer course will not count towards QPA or class rank.
14. Courses can only be taken as a Dual Enrollment if there is not a comparable in-house course (excluding DVA offerings).
15. With administrative pre-approval, a student may take a Dual Enrollment course if there is a comparable in-house course, but the student is not able to access the course because of scheduling conflicts. If the student/course is approved by administration, the course(s) will not be included when calculating a QPA and class rank (the grade will still appear on the transcript).
16. Students are encouraged to check with their prospective college/university if the credits will transfer.
17. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

PROJECT LEAD THE WAY (PLTW)

Through PLTW, engineering students become tomorrow's problem solvers today. From launching space explorations to delivering safe, clean water to communities, engineers find solutions to pressing problems and turn their ideas into reality. PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from

dreamers to doers. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers.

Current PLTW courses at the high school include(s): Principles of Biomedical Science DE.

1. Students enrolled in PLTW engineering courses can apply to receive course credit through the Rochester Institute of Technology (RIT) for an application fee of $225. However, this is subject to change for the 2026 -2027 school year.
2. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service, nor do they receive any financial benefit from the college.
3. Annville-Cleona High School teachers participating in the program have been accepted/approved by Project Lead Way.
4. Students will be awarded 3.0 credits on a RIT transcript and 1.0 credit on their Annville-Cleona transcript upon successful completion of a full-year course.
5. PLTW core courses are weighted as a 1.4 on the Annville-Cleona transcript when determining class rank and QPA.
6. Students must obtain a transcript from RIT in order to obtain A-C credit and transfer the credit to a post-secondary school.
7. Student applications must be completed to take part in the RIT program. Students who earn an 85% overall in the class and earn at least a six (6) on the End of Course (EoC) assessment to receive college credit. This deadline for applications is in the fall of the school year and will be publicized.
8. Students taking an PLTW course for A-C credit are required to take the EoC exam.
9. Students are encouraged to check with their prospective college/university if the credits will transfer.
10. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

Students enrolled in a Project Lead the Way science or engineering course can apply to receive college credit for the PLTW course through St. Cloud State University.

1. St. Cloud State University currently offers these courses at a cost of $100 application fee; however, this is subject to change for the 2026-2027 school year.
2. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service, nor do they receive any financial benefit from the college.
3. Annville-Cleona High School teachers participating in the program have been accepted/approved by Project Lead the Way.
4. Students must obtain a transcript from St. Cloud State University in order to obtain A-C credit and transfer the credit to a post-secondary school.
5. PLTW core courses are weighted as a 1.4 on the Annville-Cleona transcript when determining class rank and QPA.
6. Credits earned via this program are transferable to many colleges or universities that normally accept such credits. The college transcript does not include any notation that the course was completed via the PLTW program.
7. Student applications must be completed online with the University in order to take part in the PLTW program. The deadline for applications is at the conclusion of the course.

8. Students are encouraged to check with their prospective college/university if the credits will transfer.
9. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

THADDEUS STEVENS COLLEGE OF TECHNOLOGY (CHS)

Annville-Cleona School District has signed a partnership with Thaddeus Stevens College of Technology. Students may earn both high school and college credit concurrently for select approved courses. For the 2026-2027 school year, the proposed college in the high school courses are still pending. When a course is approved it will be taught by an Annville-Cleona teacher during the regular school day and are tightly aligned with our curriculum in that the collegiate-level coursework mirrors the ACSD coursework. The college in the high school offering represents an opportunity for significant financial savings for our families. Information regarding the CHS program is below, however, counselors will be able to provide specifics.

Thaddeus Stevens

1. Thaddeus Stevens College of Technology (TSCT) currently offers these courses at a cost of $100 per credit ($300 for the course). however, this is subject to change for the 2026-2027 school year.
2. Students participating in the federal free and reduced lunch program, and those families experiencing financial hardship, are eligible to apply for a reduced course fee.
3. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service nor do they receive any financial benefit from the college.
4. Annville-Cleona High School teachers participating in the program have been accepted/approved by the Thaddeus Stevens College of Technology as CHS adjunct professors.
5. Students will be awarded 3.0 credits on a Thaddeus Stevens College of Technology transcript and 1.0 credit on their Annville-Cleona transcript upon successful completion of a full-year course. Students will be awarded 1.0 credit on a TSCT transcript 0.5 credit on their Annville-Cleona transcript upon successful completion of a half-year course.
6. College in the High School core courses are weighted as a 1.4 on the Annville-Cleona transcript when determining class rank and QPA.
7. Credits earned via this program are transferable to many colleges or universities that normally accept such credits. The college transcript does not include any notation that the course was completed via the CHS program.
8. Student applications must be completed in order to take part in the CHS program with TSCT; there is no fee for the application. This deadline for applications is in the fall of the school year and will be publicized.
9. CHS students may be required to complete assignments that are specific to the CHS program and may be different from non-CHS course assignments.
10. CHS students may be graded on two different grading requirements while completing the CHS course because of different requirements for each institution.
11. Students taking an AP course for CHS credit are not required to take the AP exam.
12. Students are encouraged to check with their prospective college/university if the credits will transfer.
13. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

THADDEUS STEVENS COLLEGE OF TECHNOLOGY EARLY ENROLLMENT

Early Enrollment program offers qualifying high school seniors the opportunity to complete their freshman year at Thaddeus Stevens College of Technology while still being a senior in high school. TSCT will provide the state required fourth year of English and Math while allowing the student to begin his/her college education early.

Thaddeus Stevens

1. Early Enrollment students would attend TSCT full-time at 50% of the cost of full tuition for traditional students (approximately $4200).
2. Early Enrollment students are eligible for financial aid, including the Stevens Grant, which provides free tuition to qualifying students based on financial need. Students are also eligible for scholarships provided by the Thaddeus Stevens Foundation and Federal Direct Loan.
3. Early enrollment requires a student to take all of his/her classes at Thaddeus Stevens College of Technology. Early enrollers are full time college students. They would not report to A-C at any point during the school day.
4. Early Enrollment students need to complete an application by March 1, 2025 for consideration. The application can be found on the TSCT website.
5. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service nor do they receive any financial benefit from the College.
6. Students will be awarded 3.0 credits per class on a TSCT transcript and 1.0 credit on their Annville-Cleona transcript upon successful completion of each full-year course. Students will be awarded 1.0 credit on a TSCT transcript 0.5 credit on their Annville-Cleona transcript upon successful completion of a half-year course.
7. One Early Enrollment core course per semester will be weighted at a 1.4 on the Annville-Cleona transcript when determining class rank and QPA.
8. Transferring credit for core courses is not an option for students that have met English and Math requirements.
9. Credits earned via this program are transferable to many colleges or universities that normally accept such credits. The College transcript does not include any notation that the course was completed via the Early Enrollment program.
10. Student applications must be completed in order to take part in the Early Enrollment program with the TSCT; there is no fee for the application. This deadline for application is in the spring of the school year and will be publicized.

UNIVERSITY OF PITTSBURGH COLLEGE IN THE HIGH SCHOOL (CHS)

University of Pittsburgh College in High School The Dietrich School of Arts & Sciences

Through a partnership with the University of Pittsburgh, Annville-Cleona High School students may earn both high school and college credit concurrently for select approved courses. For the 2026-2027 school year, the proposed college in the high school courses are: Analytic Geometry & Calculus 1 CHS, Basic Physics for Science & Engineering 1 CHS, Business Calculus CHS, Introduction to Psychology CHS, Intermediate College Spanish 1 CHS, Right Start to College 1 CHS, and U.S. History from Settlement through the Civil War CHS, and U.S. History from Reconstruction to the Present CHS. These courses are taught by Annville-Cleona teachers during the regular school day and are tightly aligned with our curriculum in that the collegiate-level coursework mirrors the ACSD coursework. The college in the high school

offerings represent an opportunity for significant financial savings for our families. Information regarding the CHS program is below, however, counselors will be able to provide specifics.

1. The University of Pittsburgh currently offers these courses at a cost of $75 per credit ($225 for the course); however, this is subject to change for the 2026-2027 school year. Most University of Pittsburgh courses are 4 credits ($300) and shows as a 1 credit core course at A-C.
2. Students participating in the federal free and reduced lunch program, and those families experiencing financial hardship, are eligible to apply for a reduced course fee.
3. The Annville-Cleona School District and/or its employees do not charge any additional fees for this service, nor do they receive any financial benefit from the University.
4. Annville-Cleona High School teachers participating in the program have been accepted/approved by the University of Pittsburgh as CHS adjunct professors.
5. Students will be awarded 3.0 or 4.0 credits on a University of Pittsburgh transcript and 1.0 credit on their Annville-Cleona transcript upon successful completion of a full-year course. Students will be awarded 1.0 credit on a University of Pittsburgh transcript 0.5 credit on their Annville-Cleona transcript upon successful completion of a half-year course.
6. College in the High School core courses are weighted as a 1.4 on the Annville-Cleona transcript when determining class rank and QPA.
7. Credits earned via this program are transferable to many colleges or universities that normally accept such credits. The university transcript does not include any notation that the course was completed via the CHS program.
8. Student applications must be completed in order to take part in the CHS program with the University of Pittsburgh; there is no fee for the application. This deadline for applications is in the fall of the school year and will be publicized.
9. CHS students may be required to complete assignments that are specific to the CHS program and may be different from non-CHS course assignments.
10. CHS students may be graded on two different grading requirements while completing the CHS course as a result of different requirements for each institution.
11. Students taking an AP course for CHS credit are not required to take the AP exam.
12. Students are encouraged to check with their prospective college/university if the credits will transfer.
13. Students may enroll in any AP, CHS, or DE course without being required to take the course for college credit.

Community Service Corps

In lieu of a study hall, students can participate in Community Service Corps and earn up to 0.5 credit for assisting staff and for providing a service to the community. Community service projects will be selected by the students based on their interests along with the completion of 10 hours of service. More information can be found by meeting with the Counseling Department.

Cooperative Work Experience & Internships

The Annville-Cleona School District provides three different workplace career training options. A maximum of two (2) elective credits can be earned through the Cooperative or Internship placements. To be considered for the cooperative work experience & internship program, students must complete an application packet, be in good standing with academics, attendance, and discipline.

1. Students must submit an application to their counselor. Deadline for the Fall Semester is July 1. Deadline for the Spring Semester is December 1.
2. The principal will evaluate the proposal and application to determine the number of credits to be granted upon successful completion of the internship, not to exceed 2.0 credits.
3. Internships will count toward the minimum 24 credits required for graduation.
4. Internships **will not** be factored into QPA or GPA calculations since they are graded on a pass/fail basis. No letter grade is earned.
5. All costs, including transportation, materials, uniforms, and supplies, associated with the internship are the responsibility of the student.

Study Abroad

Some students may have an independent opportunity to study abroad during their high school career. Communication with the administration and their counselor prior to confirming the study abroad program is encouraged. Students who participate in a study abroad program will receive credit on their Annville-Cleona High School transcript accordingly:

1. A transcript of student studies must accompany the student when re-enrolling for the following school year in order for credit to be assigned.
2. Courses completed at the host school will be listed as XXXXX Transfer for each area of study. (LA Transfer #, Math Transfer #, Science Transfer #, Social Studies Transfer #, Elective Transfer #, Independent Study #)
3. Class credit will be based on time spent in the course during the academic year.
4. ALL grades will be recorded as P (Pass) or F (Fail) and will not factor in the student's GPA calculation or class rank value.
5. Exchange Student will appear on the student's transcript. (Example – Germ Exch Student (6480), Span Exch Student (6481)
6. A meeting must be set up with the student, parent(s) and school counselor to discuss the above procedure and sign off process prior to the exchange year in order for any transfer credit to be applied to the student transcript.

It is the student's responsibility to contact the faculty sponsors of any clubs or academic organizations to verify eligibility upon their return to Annville-Cleona High School.

Independent Study

Independent study procedures have been adjusted to permit the Superintendent (or designee) to approve independent study on a case-by-case basis.

English Language Development

English Language Development (ELD) at A-C is open to students whose primary language is not English and who qualify by the WIDA screener criteria. It is a place to explore the language of the American high school as well as a place to improve fluency in English. Students from many different language groups meet each day to improve their listening, speaking, reading, and writing skills in English. Since students spend most of their day in content-area classes where only English is spoken, these classes also serve as a place of support in helping students acquire learning strategies that transfer to other academic disciplines and assist them in interacting socially. The students will be administered the state mandated ACCESS for ELLs test which measures students' progress in English language acquisition and serves as part of the criteria for exiting the ELD program. Students enrolled in ELD instruction will receive 0.5 credit per semester if work completion expectations are met.

Gifted Education

Students who have been identified as gifted may elect to participate in the gifted program, which is designed to afford them various opportunities, both formal and informal, to engage in learning based on their identified gifted attributes and interest areas.

The GIEP team consisting of the student, parent(s)/guardian(s), counselor, regular education teacher, LEA, and Teacher of the Gifted will design a program to be facilitated by the teacher, consisting of a specialized gifted project, which will extend learning beyond the scope of the regular education program.

Advanced Academy is a semester-long 0.5 credit class available to students with a GIEP. This course is required of students with a GIEP who wish to receive academic credit for their gifted program. The course affords students the opportunity to work with other students and the gifted teacher to seek out greater opportunities for enrichment in and out of the traditional school setting.

Special Education

Annville-Cleona High School has various support programs available to students who have learning differences as documented in their Individualized Education Program (IEP). Enrollments in these specific courses are dependent upon recommendations made by the IEP team. Available programs include emotional support, learning support, and life skills support. Depending on the student's needs a variety of supports are available to meet each student's needs from co-teaching, itinerant, supplemental, and full-time area available based on IEP team recommendations.

GRADING SYSTEM

Non-weighted GPA

Many post-secondary schools will request a grade point average (GPA) based on a 4.0 scale. They do this because schools weight courses differently, and some scales exceed 4.0. Year-end grades are calculated with marking periods comprising 20% of the final grade, along with the mid-term (10%) and final exam (10%) [Semester courses yield 40% per marking period and 20% for the final]. If a college requests that the GPA be based on the 4.0 scale, the computation is made using final grades from all coursework and implementing the following scales:

Achievement Level	Letter Grade	Numerical Average	Grade Point Equivalent
Outstanding	A	93 - 100	4.0
	A-	90 - 92	3.67
	B+	87 - 89	3.33
High	B	83 - 86	3.0
	B-	80 - 82	2.67
	C+	77 - 79	2.33
Satisfactory	C	73 - 76	2.0
	C-	70 - 72	1.67
	D+	67 - 69	1.33
Minimal	D	63 - 66	1.0
	D-	60 - 62	0.67
Failing	F	59 and Below	0.00

Weighted QPA - Class Rank

Weighted quality point average (QPA) is based on a point scale that exceeds 4.0. Core including, any and all, required and elective courses (English, math, science, and social studies) and foreign language courses in grades 9-12 are "weighted" and receive quality points based on course difficulty. Course weightings will be maintained on a three-level system (1.0, 1.2, and 1.4). College courses and AP courses will be weighted a 1.4, while Honors courses will be weighted a 1.2 and College Prep courses will be weighted a 1.0. Alternative education and summer school courses (in the core/foreign language areas) will be assigned a 1.0 weighting. Once QPA is determined, this information is used to rank students. Beginning in grade nine, the student receives a QPA and class rank at the completion of each year.

Course Levels	Weighted Value
College Prep (CP)	1.0
Honors	1.2
Advanced Placement (AP)	1.4
College in the High School (CHS)	1.4
Dual Enrollment (DE)	1.4

Selection of Valedictorian and Salutatorian

Selection as Valedictorian and Salutatorian does not guarantee selection as a featured student commencement speaker. The selection of student speakers for commencement shall be made by the high school principal in consultation with the staff and Superintendent of Schools, except that the prior approval of the Superintendent shall be required if a student other than the Valedictorian and/or Salutatorian is chosen to speak at the commencement ceremony. The selection process shall be approved by the Superintendent and communicated to the Board of School Directors. All commencement speeches must be submitted to and receive approval from the building principal at least two weeks prior to the ceremony.

Transfer students that join A-C's high school population as a junior or senior shall not be in contention for the valedictorian and salutatorian positions.

Transferring of Credits

All transcripts of transfer students to the Annville-Cleona High School will be reviewed by the school counselor and building administration for the most appropriate QPA, credit, and course weighting as related to the District curriculum. Transfer course weights will be equivalent to course offerings in our curriculum guide. In absence of an equivalent course, weighting will be aligned to our highest course weight for that grade level and subject area.

Students earning credits from an accredited college or university may transfer the credits from these courses to count towards credit for graduation. No more than 1 credit will be considered for QPA and class rank per semester. However, if a course is not offered at ACSD, no more than one transfer credit and grade per semester will be used when calculating a student's QPA and class rank provided the course falls within a core subject area. **This must be pre-approved by the administration**.

Students may request no more than one (1) high school Dual Enrollment transfer credit during the summer for a core credit. This credit will be listed on the transcript but will not count towards QPA and class rank.

Transcripts

The student transcript will include the following: Class Rank, Final Grades, Final GPAs, and SAT/ACT scores. A final transcript for graduating seniors will not be available until mid-June.

Credits in Grade 8

Incoming high school students who have passed Algebra 1 CP or Geometry CP as middle school students will receive credit in the progression through the courses in the math department. The student may request the High School courses taken in Middle School to be added to his or her transcript; however, the grade will not be used when calculating a student's GPA/QPA and class rank. High School credit will be given and students who successfully completed both Algebra 1 CP and Geometry CP will only be required to take three (3) credits of math in high school. Students will still need to take 24 credits to graduate while enrolled in grades 9-12.

Course Prerequisites

All course prerequisites are listed at the bottom of the course description and assume a passing grade in the prerequisite course listed.

Credit Recovery

A student who fails a course at A-C may make up the course via an approved online credit recovery provider at the student's expense (DVA). Interested students should meet with their counselor for further information.

Repeating a Course

If it is determined (by teacher/counselor recommendation and principal approval) that it is to the educational benefit of a student to repeat a given course that he/she did not perform as expected in the prior school year, credit will be awarded for the 2nd attempt. The 2nd attempt does not "replace" the 1st attempt. Both attempts will count toward the student's GPA and appear on the transcript. If it is a core or foreign language course, both attempts will count toward QPA calculation.

STUDENT ACADEMIC RECOGNITION

Annville-Cleona High School encourages and supports high academic achievement standards for all students in all classes. Students are recognized in the following ways:

Academic Letter

Students receive an academic letter if the previous year's report card shows all A's and B's, no more than one C, and no D or F grades, including mid-term and final exam grades.

Honor Roll

Students achieve honor roll status each marking period they earn all A and B grades. (This does not include midterms and final exams. Dual Enrollment and College in the High School courses are included in the second and fourth marking periods).

Distinguished Honor Roll

Students achieve distinguished honor roll status each marking period they earn all A grades (93% or higher). (This does not include midterms and final exams. Dual Enrollment courses are included in the second and fourth marking periods).

Honor Society

Students with an unweighted, cumulative GPA of 3.65 are eligible to apply for membership in the National Honor Society.

A student may have no final grade of D or F in any class over the cumulative history of grades. The Honor Society Advisor follows the election guidelines of the National Chapter of the Honor Society for final selection.

PROCEDURES FOR STUDENT SCHEDULE CHANGES

Master Schedule Construction

Students are presented with course information as well as a selection of course requests in the early spring of each year. Course request information will be done via hard copy and must be finalized with parent signatures. The high school administration builds the master schedule which reflects the interest of the students. Course selections are determined by the initial requests and teacher availability. Adjustments are made to reduce scheduling conflicts and help students enroll in as many of their selected courses as possible.

The entire process takes about five months. The objective is to fulfill as many students' course requests as possible. It is not the purpose of this master schedule process to accommodate course change requests after the initial sign-up period. Therefore, it is strongly suggested that careful consideration be given during the initial sign-up phase of the process. Course request changes will only be considered if they meet the criteria listed in the Drop/Add Period.

Resolving Inevitable Course Conflicts

There is no perfect, conflict-free schedule. The master schedule for the school is created each year based on the needs and wishes of the student body at large and is constructed in such a way as to fulfill the requests of the maximum number of students. While every effort is made to minimize course conflicts for all students, there is no guarantee, expressed or implied, that each and every student will be able to roster every combination of requests that he or she makes.

Once the final number of sections is determined, the schedule is built by the high school administration and the information about the number and placement of sections is programmed into the computer system. The students' course requests are then loaded into the schedule and students are scheduled into classes. If the results of this process are not satisfactory, the high school administration makes the necessary changes to the schedule and the process is repeated. This is done repeatedly until a maximum number of students have schedules that reflect all of their course requests.

Students with conflicts may schedule an appointment with the school counselors to discuss alternate requests in an effort to resolve all of the conflicts. This process most often involves compromise.

Notification of Scheduling Success

Complete schedules with teachers' names and class meeting times will be posted to the student's PowerSchool account by late summer. Notification of this will be sent via Messenger.

Drop/Add Period

After schedules have been finalized (based on the electronic course selection process), a drop/add period will be available during the summer (options for counselor meeting dates to be published by the principal in late spring/early summer). The drop/add period will then conclude after the first six (6) school days of the school year.

The only changes to schedules after the first six (6) school days of the school year are those considered to be scheduling errors, or those considered to be academic misplacements by the teacher, counselor and administration. These include but are not necessarily limited to failure to meet prerequisites or an improper level placement. Requests to change courses will be handled by the Counseling Department.

The following rules apply to all change requests:

- Preferential changes (moving a class from one period to another) are not permitted.
- Parallel changes (teacher preference) are not permitted under any circumstances.
- A high school administrator must approve all schedule changes (only after the drop/add date). During this time, changes will be contingent upon space availability and the opportunity for the student to make up work missed in the new class.

After the drop/add period conclusion date, schedule changes will not be made except for the following considerations:

1. Course grades, state test scores, teacher and counselor recommendations indicate that a change in course level is necessary.
2. A course requirement needed for graduation has been overlooked.
3. An unforeseen opportunity for a challenging and unique educational experience has occurred.
4. Medical problems interfere with taking a course. A physician's, licensed psychologist's, or psychiatrist's note indicates the activity of the course will have a negative impact on the student.

The following steps must occur before a schedule change will be considered after the first six school days of the school year:

- Parent/Teacher/Student conference must be held via phone or in person (e-mail communication is not acceptable).
- Student must document the dates he/she initiated extra help in course work. (If available, use of study hall, advisory, or individual meeting with teacher.)
- Student/Counselor/Parent meeting via phone or in person.
- Review of attendance and homework completion per class.
- Administrative approval*

*The student and parent will need to schedule a conference with the principal (or his/her designee) after the drop/add period.

*Courses dropped (a) after the drop/add period and/or (b) for other than the reasons listed above will be listed as withdrawal passing (“WP”) or withdrawal failing (“WF”) and used in class ranking with zero credit being earned.

COURSE OFFERINGS BY DEPARTMENT

On the upcoming pages, every department listing is provided in a chart. Below represents the different columns that can be found in the chart.

Here is a key explaining what each column means:

- **Courses** – The courses are listed for that specific department. Any course that is underlined contains a hyperlink. When clicked, this hyperlink will show an overview of what the course entails.
- **Grades** – This shows the grade level that a student needs to be in to sign up for the course.
- **Required, Required Option, or Elective** – This designates whether the course is required for graduation. Having the listing of "Required" means that is the only course that will satisfy the graduation requirement. The listing of "Required Option" means that there are multiple options for courses that will satisfy the graduation requirement. "Elective" means that the courses are only available as an elective and will not satisfy a graduation requirement, other than using the courses to satisfy the number of credits needed to graduate.
- **Needed to Graduate** – This designates if a course is needed to satisfy a graduating requirement.
- **Weight** – All of the courses are weighted depending on the rigor of the course (i.e. 1.0 is general/College Prep, 1.2 is Honors, and 1.4 is AP/college level (DE/CHS).
- **Credit** – All courses have a credit value that is assigned which correlates to how long the course is offered (i.e. 1 is a full-year course whereas 0.5 is a half-year course).
- **Prerequisite** – Any courses that have a prerequisite requirement (i.e. a grade in a previous course is needed, etc.) is denoted with a "Yes". However, the only prerequisites that are not noted are ones where students need to take a required course before they take another to go in the sequence (i.e. students need to take English 9 CP before students can take English 10 CP, etc.).

DEPARTMENT						
Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**

Throughout the curriculum guide, there are hyperlinks, which are denoted with an underline. These hyperlinks will quickly go from the Table of Contents page to the various Department pages when clicked. Additionally, each page number is hyperlinked to go back to the Table of Contents page.

ENGLISH DEPARTMENT

The English curriculum is based on the communication skills of reading, writing, speaking, viewing, listening and presenting. Specifically, the curriculum provides instruction in the different modes of written and oral expression, analytical reading, vocabulary, and grammar/usage. Courses are offered at a variety of levels so students may select courses that suit their needs, abilities and achievements.

Graduation Requirement – 4 credits of English

English – All students are required to take the prescribed English courses during their 9th and 10th grade years. Students must then take at least two of the following during their 11th and 12th grade years: American Literature CP, AP Language and Composition CHS, English Composition 1 & 2, British Literature CP, or AP Literature and Composition CHS.

ENGLISH DEPARTMENT						
English Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
American Literature CP	11, 12	Required Option – 11th & 12th grades	Yes	1.0	1	Yes
AP Language and Composition - CHS	11, 12	Required Option – 11th & 12th grades	Yes	1.4	1	Yes
AP Literature and Composition- CHS	11, 12	Required Option – 11th & 12th grades	Yes	1.4	1	Yes
British Literature CP	11, 12	Required Option – 11th and 12th grades	Yes	1.0	1	Yes
Creative Writing	9, 10, 11, 12	Elective	No	1.0	0.5	No
English Language Immersion	9, 10, 11, 12	Required Option	Yes	1.0	1	No
English 9 CP	9	Required – 9th grade	Yes	1.0	1	No
English 10 CP	10	Required – 10th grade	Yes	1.0	1	Yes
English Composition 1 CHS	11, 12	Required Option	Yes	1.4	0.5	Yes
English Composition 2 CHS	11, 12	Required Option	Yes	1.4	0.5	Yes
English Essentials 1	11, 12	Required Option – 11th & 12th grades	Yes	1.0	1	Yes

English Essentials 2	11, 12	Required Option – 11th and 12th grades	Yes	1.0	1	Yes
Honors English 9	9	Required – 9th grade	Yes	1.2	1	Yes
Honors English 10	10	Required – 10th grade	Yes	1.2	1	Yes
Journalism: Broadcasting 1	10, 11, 12	Elective	No	1.0	0.5	Yes
Journalism: Broadcasting 2	11, 12	Elective	No	1.0	0.5	Yes
Journalism Introduction	9, 10, 11, 12	Elective	No	1.0	0.5	No
Journalism Yearbook Publications	10, 11, 12	Elective	No	1.0	1	Yes
Public Speaking	11,12	Elective	No	1.0	0.5	No

AMERICAN LITERATURE CP — Course Number 2550

Designed for the college-bound student, this writing-intensive course is based on a survey of American literature from Puritanism to the 21st century. All major writing focuses on literature and is expected to reflect the application of appropriate grammar and vocabulary, as well as analytical and evaluative skills.

Note: Students previously enrolled in American Language and Composition CHS may not enroll in this course for the 2026–2027 school year due to the content being similar.

AP LANGUAGE AND COMPOSITION — Course Number 2590

For the advanced student who enjoys reading, this course is a comprehensive survey of American literature from 1600 to the present. Students will be encouraged to take the Language and Composition AP Exam as a result of enrollment in this course. Students can choose to receive college credit through Harrisburg Area Community College in the High School program.

Note: Students previously enrolled in American Literature CP may not enroll in this course for the 2026–2027 school year due to the content being similar.

Prerequisite: Rubric evaluation based on the entrance examination, previous achievement, leadership, in-class participation, work ethic, and initiative.

AP LITERATURE AND COMPOSITION CHS — Course Number 2690

For the advanced student who enjoys reading, this course is a comprehensive survey of English (British) literature from Anglo-Saxon times to the present. Students will be encouraged to take the Literature and Composition AP Exam upon completion of this course. Students are able to choose to receive college credit through Harrisburg Area Community College's College in the High School program.
Note: Students previously enrolled in British Literature CP may not enroll in this course for the 2026-2027 school year due to the content being similar.
Prerequisite: Rubric evaluation based on entrance examination, previous achievement, leadership, in-class participation, work ethic, and initiative.

BRITISH LITERATURE CP — Course Number 2650

This course prepares the student to attend a two or four-year college program. Study of grammar and syntax, growth of vocabulary, stress upon the development of multi-paragraph papers, and methods of conducting scholarly research characterize this program. Small papers are required in every marking period. In addition, the reading of selected English literature, including poetry, drama, short stories, and nonfiction essays, from Anglo-Saxon times to the present is included.
Note: Students previously enrolled in AP Literature and Composition CHS may not enroll in this course for the 2026-2027 school year due to the content being similar.

CREATIVE WRITING — Course Number 2560

Creative Writing is an elective course designed to facilitate students' creative writing abilities and allow students to develop and polish their own unique writing styles and voices. In this course, students will have the opportunity to be adventurous and spontaneous in exploring various genres of writing including poetry, short stories, narrative nonfiction, novel outlining, and drama. Students will critique their own work and the work of others by participating in regular writing workshops. All students will be expected to submit at least one original work for publication.

ENGLISH LANGUAGE IMMERSION — Course Number 4252

Students enrolled in this course must meet specific criteria identified by State and Federal code. In the language immersion course students will be exposed to grammar, vocabulary, spelling, sentence structure, speech and other critical components of the English language. The course will also focus on study skills, strategies and critical thinking. English Language Arts Standards and WIDA English Language development standards are incorporated in accordance with state guidelines as commensurate with student readiness and achievement.
Note: Enrollment in this course is by staff and administrative recommendation only.

ENGLISH 9 CP — Course Number 2350

English 9 CP emphasizes the study of complex forms of grammar, which will be applied in verbal and written communication. Paragraph structure and composition skills will be developed as part of the writing process. These skills prepare students for research based upon a teacher-approved topic. Literature includes nonfiction essays, short stories, poetry, drama, and several novels by American and English authors. Vocabulary study is stressed throughout the year, and vocabulary will be integrated into oral and written communication.

ENGLISH 10 CP — Course Number 2450

English 10 CP leads to more advanced experiences in the study of grammar, vocabulary, usage, composition, and mechanics of writing. Writing projects include personal essays, descriptions, reading journals, interpretations of literature, and research papers. Literature selections focus on essays, short stories, novels, and drama. An emphasis is placed on literary elements in preparation for the Keystone Literature Exam. Students will also use oral communication skills through informal and formal presentations. Upon completion of this course, students will take the Keystone Literature exam.

ENGLISH COMPOSITION 1 CHS — Course Number 2800

Emphasizes the composition of organized, clear, coherent, and well-supported essays, which feature standard English conventions, effective style, and the appropriate use of research strategies and sources. Students develop the critical reading and thinking skills necessary to produce effective college-level writing that communicates to a particular audience, fulfills a specified purpose, and conforms to a given genre. This course is half a year.
Note: This course must be taken in conjunction with English Composition 2 CHS.
Prerequisite: Must meet HACC placement criteria.

ENGLISH COMPOSITION 2 CHS — Course Number 2805

Builds on English Composition 1 CHS, connecting thinking, reading, and writing. Research, interpretation, and argumentation are emphasized. This course is half a year.
Note: This course must be taken in conjunction with English Composition 1 CHS.
Prerequisite: English Composition 1 CHS with a grade of C or higher.

ENGLISH ESSENTIALS 1 — Course Number 2525

The English Essentials 1 course will utilize a variety of resources, including magazine articles, leveled books, technical manuals, and web-based content to explore, evaluate, and apply literary skills necessary to be career-ready. Communication, collaboration, critical thinking, and creativity will be integrated throughout all units with a focus on written evaluation and response related to informational reading. Course content will also focus on remedial comprehension and writing skills. This course is developed for the student whose career goals do not require a four-year college degree.
Note: Enrollment in this course is by administrative recommendation only.

This course is also available as a DVA virtual course. It is important to note that as a virtual course, it will be taught by an Annville-Cleona teacher, following the Annville-Cleona designed curriculum just as if it were an in-person course.

ENGLISH ESSENTIALS 2 — Course Number 2625

The English Essentials 2 course will focus on career communication skills, including crafting a resume and cover letter, honing interview skills, and understanding effective communication skills in the workplace. Students will read and respond to technical manuals, evaluate communication strengths and weaknesses, and engage in the exploration of career options through personal interviews and workplace visits. This course is developed for the student whose career goals do not require a four-year college degree.
Note: Enrollment in this course is by administrative recommendation only.

This course is also available as a DVA virtual course. It is important to note that as a virtual course, it will be taught by an Annville-Cleona teacher, following the Annville-Cleona designed curriculum just as if it were an in-person course.

HONORS ENGLISH 9 — Course Number 2380

Honors English is designed for students interested in pursuing the advanced pathway of English through grade twelve. This course is an extension of the college prep curriculum with an emphasis on higher thinking skills. Students will be required to complete a summer reading project with an evaluation to occur at the beginning of the school year.
Prerequisite: Rubric evaluation based on an entrance examination, previous achievement, leadership, in-class participation, work ethic, and initiative.

HONORS ENGLISH 10 — Course Number 2480

This course is designed for students interested in the advanced pathway through grade twelve. The students will broaden their literary knowledge by focusing heavily upon different genres of world literature. Students will have the opportunity to evaluate, discuss, and compare specific pieces of literature and relate them to the time periods during which they were written. Emphasis is placed on the writing process with projects including an extensive research paper as well as personal essays, literary analysis, reading journals, and topical essays. Students should have a strong background in grammar that will be incorporated into the writing process. Upon completion of this course, students will take the Keystone Literature exam.
Prerequisite: Rubric evaluation based on entrance examination, previous achievement, leadership, in-class participation, work ethic, and initiative.

JOURNALISM BROADCASTING 1 — Course Number 2714

Students will be responsible for creating short segments that are used in the weekly news productions. They will practice the different roles that are responsible for the production of a single broadcast episode, including segment producer, video editor, videographer, and on-air talent. Focus on speech, camera angles/techniques, and script writing will be emphasized. Students who opt to pursue this elective must be able to work well independently and be willing to spend considerable time outside of school to complete assignments.
Prerequisite: Journalism Introduction

JOURNALISM BROADCASTING 2 — Course Number 2724

Students must complete the "Broadcast 1" course before taking this course. In this elective, students will create the daily announcement episodes as well as the weekly broadcast production. Students will construct the broadcast with some of the work produced by the "Broadcast 1" students and will extend their application of their skills by creating other videos that enhance the tone of the show or that may assist other areas of the journalism department.
Prerequisite: Journalism: Introduction and Journalism: Broadcast News 1

JOURNALISM INTRODUCTION — Course Number 2721

This course is a prerequisite for all of the other journalism electives. It consists of an overview of media in the world today, the legal issues facing student journalists, and practice in gathering and writing news. Students will also be given instruction on writing the feature, covering and writing about sports, editing, writing headlines, writing editorials, planning and writing columns, writing reviews of the arts, producing publications, interviewing, and examining careers in journalism.

JOURNALISM YEARBOOK PUBLICATIONS — Course Number 2727

Students must complete the "Journalism: Introduction" course before taking this elective. Students who wish to extend the skills learned in the introductory journalism course will focus directly on the publication of the online school newspaper, *The Dutchman Crier*, and the high school yearbook. Students will use interviewing and writing skills in composing features, editorials, and news articles for editing and inclusion in the online school newspaper and the district Facebook and social media pages. Additionally, students will learn the basic concepts of layout design and how to incorporate photography and written content into a design concept. Students will learn how to use the online software program used to create yearbook layouts and will also become familiar with Photoshop Elements and editing digital photography. Students will be expected to participate in photo shoots or coverage outside of the regular school day, and after school, opportunities are available to get additional help on their articles or layouts.

Prerequisite: Journalism Introduction

PUBLIC SPEAKING — Course Number 2729

This course will teach students that there are a discrete set of skills and strategies that can be learned and practiced that will improve their abilities to communicate in a wide variety of situations. They will engage in speaking situations that include (but are not limited to): informational speeches, persuasive speeches, dramatic readings, speaking introductions and a symposium. The course will require students to be active participants in the class and will maintain the goal of increasing confidence when speaking in front of a group. Areas of focus will feature gesturing, facial expression, movement, inflection, diction, and audience awareness.

MATHEMATICS DEPARTMENT

As the impact of technology on our society continues to broaden, a foundation in mathematics is becoming increasingly necessary. Success in mathematics courses depends upon the mastery of skills, understanding of basic concepts, proper placement and adequate motivation.

Students are expected to provide their own TI-84 graphing calculator for math coursework throughout high school. Some calculators may be available for use during class time; however, students will need their own calculators for at-home and personal use in class on tests, quizzes, and classwork.

Graduation Requirement – 3 credits of Mathematics
Students planning to attend post-secondary education must take 4 credits of mathematics.

Math - Students who have successfully taken Algebra I CP and Geometry CP at the Middle School, are only required to take 3 credits of math at the High School.

The notation of "Math*" means that those courses may count towards a math credit for juniors and seniors who have earned at least two math credits.

MATHEMATICS DEPARTMENT						
Mathematics Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Accounting 1	11, 12	Required Option	Math*	1.0	1	Yes
Algebra 1A	9	Required Option	Yes	1.0	1	No
Algebra 1B	9,10	Required Option	Yes	1.0	1	No
Algebra 1CP	9, 10	Required Option	Yes	1.0	1	No
Algebra 2 CP	9, 10, 11, 12	Required Option	Yes	1.0	1	Yes
AP Calculus A/B CHS	10, 11, 12	Required Option	Yes	1.4	1	Yes
AP Calculus B/C	11, 12	Required Option	Yes	1.4	1	Yes
AP Statistics	11, 12	Required Option	Yes	1.4	1	Yes
Business Calculus CHS	10, 11, 12	Required Option	Yes	1.4	1	Yes
Business Math	11, 12	Required Option	Math*	1.0	1	Yes
Finite Math	10, 11, 12	Required Option	Yes	1.0	1	Yes
Geometry CP	9, 10, 11, 12	Required Option	Yes	1.0	1	Yes

Precalculus CP	10,11,12	Required Option	No	1.0	1	Yes
Honors Precalculus	9, 10, 11, 12	Required Option	Yes	1.2	1	Yes
Math Survey	10, 11	Required Option	Yes	1.0	1	Yes
Probability and Statistics CP	11, 12	Required Option	Yes	1.0	1	Yes
Technical Math	11, 12	Required Option	Math*	1.0	1	Yes

ACCOUNTING 1 — Course Number 1750

Accounting 1 is a course designed for students in grades ten through twelve who plan to attend college and major in accounting or seek a responsible position in the business field. Basic accounting practices for proprietorships and partnerships are covered. Each type of business is presented in a complete accounting cycle covering analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries.
Note: This course may count as a math credit for juniors and seniors who have earned at least two math credits; however, it is not NCAA-approved and may not be accepted as a math credit by post-secondary institutions.
Prerequisite: Two (2) credits of high school mathematics (if using for math credit).

ALGEBRA 1A — Course Number 6222

This course encompasses the first half of the Algebra 1 course. This course sequence provides an opportunity for every student to be successful in Algebra via an extended opportunity for application and understanding of algebraic concepts. The algebraic situations that are provided are designed to accommodate varied learning styles and abilities. Upon completion of this course the student will take Algebra 1B to complete the Algebra 1 curriculum.

ALGEBRA 1B — Course Number 6329

This course encompasses the second half of the Algebra 1 course This course sequence provides an opportunity for every student to be successful in Algebra via an extended opportunity for application and understanding of algebraic concepts. The algebraic situations that are provided are designed to accommodate varied learning styles and abilities. Upon completion of this course, students will take the Keystone Algebra Exam.

ALGEBRA 1 CP — Course Number 6330

This course sequence provides an opportunity for every student to be successful in Algebra through a more traditional approach in one course (Algebra 1 CP). The algebraic situations that are provided are designed to accommodate varied learning styles and abilities. Upon completion of this course, students will take the Keystone Algebra Exam.
This course is also available as an Annville-Cleona Digital Community (ACDC) virtual course. It is important to note that as a virtual course, it will be taught by an Annville-Cleona teacher, following the Annville-Cleona designed curriculum just as if it were an in-person course.

ALGEBRA 2 CP — Course Number 6451

This is a second-year course in Algebra and is designed for students to take after Geometry CP. This course is usually required for entrance to college. Students are expected to use graphing calculator technology while studying real-world applications of their algebra skills. Algebra 2 CP studies a variety of topics, from lines to imaginary numbers, from quadratic equations to radical functions, and from functions to systems.
Prerequisite: A passing grade in Geometry CP

AP CALCULUS A/B CHS — Course Number 6690

Calculus is the basic mathematics building block for professional careers in mathematics, science, engineering, computer science, business, and technology. It is a basic freshman college course for students who wish to major in these areas. Students taking this course will study differential calculus, integral calculus, and analytical geometry. This course will challenge students who have already studied college preparatory mathematics (Algebra I CP, Geometry CP) to obtain the mathematical background for successful work at the college level. Students will be required to take the AP Exam and/or participate in CHS as a result of enrollment in this course.
Prerequisite: "C" or better in Honors Precalculus

AP CALCULUS B/C — Course Number 6692

Calculus is the basic mathematics building block for professional careers in mathematics, science, engineering, computer science, business, and technology. This course is the second-semester freshman college course for students who wish to major in these areas. Students taking this course will study applications of integrals, series, sequences, parametric functions, polar functions, and vector functions. This course will challenge students who have already studied college preparatory mathematics (Algebra I, Geometry, Algebra 2, AP Calculus AB) to obtain the mathematical background for successful work at the college level. Students will be encouraged to take the AP Exam as a result of enrollment in this course.
Prerequisite: "C" or better in Advanced Placement Calculus A/B

AP STATISTICS — Course Number 6755

AP Statistics provides students with the opportunity to earn college credit for statistics upon earning a high enough score on the AP Statistics test. Topics include descriptive statistics, probability, normal distributions, confidence intervals, and hypothesis testing. The complete curriculum is available as given in the College Board AP Statistics information. A TI-84 PLUS CE or TI-84 graphing calculator is required for this course. Students will be encouraged to take the AP Exam because of enrollment in this course.
*Note: Students may only take Probability and Statistics CP or AP Statistics, but **not** both courses.*
Prerequisite: Three (3) credits of high school mathematics

BUSINESS CALCULUS CHS — Course Number 6694

This course provides an introduction to calculus for students interested in managerial, social, or biological science. Topics include functions, limits and continuity, differentiation, applications of differentiation, integration, exponential and logarithmic functions, and an introduction to multivariable calculus.
Prerequisites: "C" or better in Precalculus and a score of 61 or higher on the ALEKS placement examination if taking the course for CHS credit.

BUSINESS MATH — Course Number 1355

From unit-to-unit students will learn life math and develop the skills to be financially savvy. Valuable life-long skills and concepts such as pay/salary computations, budgets, goal setting, smart shopping, wise spending, and the impact of interest are thoroughly covered not only conceptually, but also mathematically. Students will add up the value of insurance as well as develop the ability to compute the costs of transportation and housing. Regardless of future plans, these math skills will be used and relied upon throughout life. Main units of study: Gross Pay, Net Pay, Record Keeping, Consumer Spending, Consumer Credit & Loans, Banking, Time Value of Money, Insurance, Transportation Costs, Housing Costs, and Investments.
Note: This course may count as a math credit for juniors and seniors who have earned at least two math credits; however, it is not NCAA-approved and may not be accepted as a math credit by post-secondary institutions.
Prerequisite: Two (2) credits of high school mathematics

FINITE MATH — Course Number 6425

This course is designed to prepare students for college level mathematics, to develop the ability to reason with quantitative to prepare for a career, and to develop critical thinking and quantitative reasoning skills needed to understand major issues in life. Topics include Applications of Linear Equations, Matrices, Linear Programming, Finance, Sets and Counting Techniques, Introductory Probability and Statistics, and Logic. A graphing calculator from the Ti84 series is required for this course.
Note: Enrollment in this course is by teacher and/or administrative recommendation only.

GEOMETRY CP — Course Number 6350

An emphasis is placed on connections to other mathematical areas (algebra, probability, statistics, etc.) as well as to other academic disciplines. Applications motivate all topics that include basic geometric concepts, measurement in geometry, congruence, proofs, triangles, circles, and quadrilaterals. The use of calculators facilitates accessibility of mathematical ideas to the student. The course promotes independent thinking and learning.
Prerequisite: A passing grade in Algebra 1 CP or Algebra 1B

PRECALCULUS CP — Course Number 6551

Precalculus CP is designed to review what students have learned in previous courses and expand on that knowledge. This course will help prepare them for their next math course, Calculus or Probability and Statistics. Applications motivate all topics that include data exploration, modeling circular and algebraic functions, transformations, logarithms, and probability/discrete mathematics. The use of calculators (TI-84, or TI-84 Plus CE) facilitates the accessibility of mathematical ideas to the student. The course promotes independent thinking and learning.
Prerequisite: A passing grade in Algebra 2 CP.

HONORS PRECALCULUS — Course Number 6552

Honors Precalculus is designed to expand a student's mathematical knowledge based on what has been learned in previous courses. The student is expected to have very strong algebraic and factoring skills. This course will help prepare the students for their next mathematical course, AP Calculus AB. Applications motivate all topics that include data exploration, modeling circular and algebraic functions, transformations, logarithms, probability, and trigonometric functions. The use of graphing calculators (TI-84) facilitates the accessibility of mathematical ideas to the student. All students are expected to have a comprehensive understanding of the uses of the graphing calculator to complete assignments in this course. The course promotes independent thinking and learning.
Prerequisite: "C" or better in Algebra 2 CP.

MATH SURVEY — Course Number 6380

Number sense, Algebra, Geometry, statistics, and logic are presented as tools for investigating phenomena and exploring new math concepts. Each chapter has a theme, which is the focus of many application problems. Students will learn how to use mathematics as a tool for solving problems in their world.

Prerequisite: Enrollment in this course is by teacher and/or administrative recommendation only.

PROBABILITY AND STATISTICS CP — Course Number 6750

Probability and Statistics CP is designed for students seeking a fourth year of mathematics and who wish to engage in extended higher-level application of mathematical problem solving. Many situations in life involve uncertainty. Statistics is the branch of mathematics dealing with the collection, organization, analysis and interpretation of information, usually numerical information, called data. Students will learn how to use the statistical features found on calculators to help organize, summarize and analyze data. The use of calculators (TI-8, TI-84, or TI-84 Plus CE) facilitates the accessibility of mathematical ideas to the student.

Note: Students may only take Probability and Statistics CP or AP Statistics, but not both courses.

Prerequisite: Three (3) credits of high school mathematics

TECHNICAL MATH — Course Number 6310

Technical Mathematics course is designed to help students (with at least a basic math background) prepare for technical, trade, allied health, or tech prep programs. This class will use examples and applications surrounding such fields as industrial and construction trades, electronics, agriculture, allied health, CAD/drafting, HVAC, welding, auto diesel mechanic, aviation, natural resources, and others. The course will cover basic arithmetic including the metric system and measurement, and useful applications of algebra, geometry, trigonometry, and statistics, all as they are related to technical applications, problem solving and critical thinking.

Note: This course may count as a math credit for juniors and seniors who have earned at least two math credits; however, it is not NCAA-approved and may not be accepted as a math credit by post-secondary institutions.

Prerequisite: Two (2) credits in high school mathematics.

SCIENCE DEPARTMENT

Science and technology are an integral part of our rapidly changing world. The science department's goal is to provide students with a comprehensive foundation on which to build knowledge and understanding of the complex world around them affording them the opportunity to be productive in their everyday lives.

Graduation Requirement -- 3 credits of Science

The notation of "Science*" means that those courses may count towards a 0.5 science credit for sophomores, juniors and seniors who have earned at least two science credits.

SCIENCE DEPARTMENT						
Science Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Animal Science	10, 11, 12	Required Option	Science*	1.0	1.0	Yes
AP Biology	12	Required Option	Yes	1.4	1.5	Yes
Principles of Physics I CHS	11, 12	Required Option	Yes	1.4	1	Yes
Biology A CP	9	Required	Yes	1.0	1	No
Biology B CP	10	Required	Yes	1.0	1	Yes
Chemistry CP	10, 11, 12	Required Option	Yes	1.0	1	Yes
Chemistry 2 CP	11, 12	Required Option	Yes	1.0	1	Yes
Topics in Science	11, 12	Required Option	Yes	1.0	1	No
Crime Scene Investigation	11, 12	Elective	Science*	1.0	0.5	No
Food Science	11, 12	Elective	No	1.0	0.5	Yes
Honors Anatomy & Physiology	11, 12	Required Option	Yes	1.2	1	Yes
Honors Biology	9	Required	Yes	1.2	1	Yes
Honors Chemistry	11, 12	Required Option	Yes	1.2	1	Yes
Honors Genetics	11, 12	Required Option (2025-2026)	Yes	1.2	1	Yes
Physics CP	10, 11, 12	Required Option	Yes	1.0	1.0	Yes
Plant Science	10, 11, 12	Required Option	Science*	1.0	0.5	Yes
Principles of Biomedical Science DE	10, 11, 12	Required Option	Yes	1.4	1	Yes

ANIMAL SCIENCE — Course Number 7721

The primary goal of the CASE Animal Science course is to expose students to agriculture, animal science, and related career options. Throughout the course, students investigate consumer perceptions and preferences related to animals in local, regional, and global markets. Students gain knowledge and skills related to animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing through hands-on activities, projects, and problems. By mimicking work similar to that of animal science specialists, such as industry personnel, livestock producers, veterinarians, and zoologists, students learn to document work, solve problems, and communicate solutions to peers and members of the professional community. In addition, students encounter connections between animal science lessons and Supervised Agricultural Experience and FFA opportunities for experiential learning and leadership development.

Note: This course may count as 1.0 science credit for juniors and seniors who have earned at least two science credits; however, it is not NCAA-approved and may not be accepted as a science credit by post-secondary institutions. It is a CASE certified course that may earn post secondary credits.

Prerequisite: Introduction to Agricultural Science

AP BIOLOGY — Course Number 7690

AP Biology is a year-long course designed for high school students as an opportunity to earn AP credit on their high school transcript, as well as placement credit for an introductory college-level science course. Students who earn a qualifying score on the AP Biology Exam are typically eligible to receive college credit and placement in an advanced science course in college. The course is aligned with the College Board AP Biology Curriculum Framework and is based on four Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about living organisms and biological systems. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

Prerequisite: "C" or better in Biology B CP or Honors Biology

BIOLOGY A CP — Course Number

Biology A uses BSCS Biology: Understanding for Life to engage students in exploring real-world questions through hands-on labs, inquiry, and collaboration. The course introduces the metric system, lab safety, and scientific practices before examining how bacterial infections make us sick and why they are becoming harder to treat, and why some people are at higher risk for heart disease. Key concepts include body systems, homeostasis, natural selection, DNA and protein structure, cell division, and the influence of genetics and environment on traits.This course aligns with the Pennsylvania STEELS science standards, emphasizing scientific reasoning, evidence-based explanations, and connections to health and society.

BIOLOGY B CP — Course Number 7450



Biology B builds on the foundations of Biology A, engaging students in hands-on labs, inquiry, and real-world problem solving. Students explore how matter and energy move through living systems to address how we can sustainably feed a growing population, and investigate biodiversity and human impact, including why some species thrive while others decline. The course also develops environmental literacy, teaching students to analyze issues, construct evidence-based responses, and consider environmental ethics.
Aligned with Pennsylvania STEELS science standards, Biology B emphasizes critical thinking, scientific reasoning, and applications of life science. This course follows Biology A as the second half of the high school biology sequence. The PA Keystone Exam will be taken at the end of this course.
Prerequiste: Succesful completion of Biology A CP

PRINCIPLES OF PHYSICS 1 CHS — Course Number 7650



This course provides a rigorous, calculus-based introduction to topics in classical mechanics such as translational motion, Newton's laws, energy, momentum, rotational motion, statics, fluids, oscillations, waves, and sound. In addition to the lecture component, weekly laboratory work will be conducted in each area.
Prerequisite: "C" or better in Precalculus or Honors Precalculus and must have taken (and received a score of a 4 on the AP test or passed with a C or better) or be concurrently enrolled in AP Calculus AB CHS.

CHEMISTRY CP — Course Number 7550



This course is for college preparatory students in grades eleven or twelve. Chemistry is the study of the composition, structure and properties of matter and the changes matter undergoes. Scientific inquiry is used to develop models that explain the physical phenomena we observe in laboratory experiments, demonstrations, computer simulations, and guided inquiries. Most models include verbal, visual, mathematical and graphical descriptions of the observed phenomena. Strong algebra skills, the ability to learn scientific vocabulary, and draw conclusions from observations and explain physical phenomena in terms of scientific concepts are necessary to successfully complete this course. The course begins with a basic understanding of matter and energy, moves on to a deeper understanding of the structure and properties of matter and then explores the changes matter undergoes.
Prerequisite: "C" or better in Algebra 2 CP

CHEMISTRY 2 CP — Course Number 7570

Chemistry 2 CP will introduce and familiarize students with the topics normally encountered in 100-level chemistry courses in college. Topics to be covered include a review of stoichiometry, equilibrium, states of matter, gas laws, acids and bases, oxidation-reduction, thermochemistry, and reaction kinetics and in introduction to organic chemistry. Classes will consist of in-depth lab work. This course is recommended for students planning to attend college and major in any physical or biological science or medical related field.

Prerequisite: A passing grade in Chemistry CP or Honors Chemistry

CRIME SCENE INVESTIGATION — Course Number 7730

This elective course explores techniques used by crime scene investigators made popular by current TV crime shows. Topics covered include fingerprinting, DNA, blood and hair analysis. Students will apply the scientific process and data to a number of types of evidence and criminal cases examined in this class. Some of the cases take place virtually and others use hard evidence that is worked on in the lab. This class will be used to get a better understanding of how the field of forensic science operates on a daily basis.

FOOD SCIENCE — Course Number 7723

This course will focus on the basic principles of the food science industry. Students will learn about food properties, quality and safety in the food industry. Students will also investigate the processing of plants and animals into various food products. This course will focus on the science that goes into creating the food that consumers eat in our technologically advanced world. Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities.

Note: This course may count as a 0.5 science credit for juniors and seniors who have earned at least two science credits; however, it is not NCAA-approved and may not be accepted as a science credit by post-secondary institutions.

Prerequisite: Introduction to Agricultural Science

HONORS ANATOMY AND PHYSIOLOGY — Course Number 7670

This course is designed for 11th and 12th grade students who are interested in exploring, in detail, the anatomy and physiology of the human body. In this course, students will explore the human body as a series of body systems. The focus will be on how form allows function, a common theme in biology. Research, lecture, and laboratory work will allow the student to discover how the body systems are built and how they work. The body systems that will be explored include: Cardiovascular; Respiratory; Nervous; Digestive; Endocrine; Urinary; Reproductive; Musculoskeletal; Immune Systems.

Prerequisites: "C" or better in Biology B CP or Honors Biology

HONORS BIOLOGY — Course Number 7460

This year-long course provides a comprehensive study of life science, combining topics from Biology A and B. Students explore body systems, genetics, infectious and hereditary diseases, matter and energy in living systems, biodiversity, and human impact on the environment. The course emphasizes hands-on labs, inquiry, environmental literacy, and real-world problem solving, all aligned with Pennsylvania STEELs science standards. Students will prepare for and take the PA Keystone Exam at the conclusion of this course.

Note: Students may accelerate into this course by meeting criteria established on a local, multi-measure rubric.

Prerequisite: Qualifying CDT score in 8th Grade Science Exam.

HONORS CHEMISTRY — Course Number 7560

This accelerated course is intended for students planning to major in science, engineering, and medicine (pre-med, pre-vet, BSN, physical therapy, occupational therapy). The course focuses on both the *process* of understanding the composition, structure, and properties of matter and the changes matter undergoes, and the *knowledge* that is learned from that process. We will use scientific inquiry to develop conceptual and mathematical models that explain the physical phenomena we observe in laboratory experiments, demonstrations, computer simulations, and guided inquiries. Strong math and critical thinking skills are necessary to successfully complete this course. The course begins with a basic understanding of matter and energy, moves on to a deeper understanding of the structure and properties of matter and then explores the changes matter undergoes.

Prerequisite: "C" or better in Biology B CP or Honors Biology; "C" or better in Algebra 2 CP

HONORS GENETICS — Course Number 7660

This course is designed to expose 11th and 12th-grade students to the concepts and techniques of this rapidly developing branch of biological sciences and medicine. Basic inheritance patterns and problems, human chromosome analysis, experimentation with the fruit fly Drosophila melanogaster, and biotechnological processes and their implications are a few of the areas that will be covered. The student will complete laboratories, assignments, and research on inherited genetic diseases.

Prerequisites: "C" or better in Biology B CP or Honors Biology

PHYSICS CP — Course Number 7724

The following topics are covered in Physics CP: kinematics, a study of motion of bodies; dynamics, the study of why objects move the way they do; celestial motion; the various forms of energy; light and electromagnetism.

Prerequisite: Minimum math needed is Algebra 1 CP and Geometry CP

PRINCIPLES OF BIOMEDICAL SCIENCE DE — Course Number 7700

The Principles of Biomedical Science DE course provides an introduction to biomedical science through exciting hands-on projects and problems. Analyze the evidence found at a crime scene and help the medical examiner uncover clues left on a body to solve a mystery. Question, diagnose, and propose treatment and care for patients in a family medical practice. Track down the source of a mysterious outbreak at a local hospital. Access and stabilize a patient during an emergency and prepare for a medical surge and mobile medical care. Collaborate with professionals in other fields to innovate and design solutions to local and global medical problems. Whether seeking a career in medicine or healthcare, or simply looking for the challenge of real-world problems, students in Principles of Biomedical Science will practice thinking creatively and critically. students will gain practical experience with experimental design and the design process.

Prerequisite: A "C" or higher in Biology B CP or Honors Biology

PLANT SCIENCE — Course Number 7722

This course is designed to explore plants and their many facets, from careers, agronomic crops, greenhouse plants, landscape management, soils, and floriculture. This course will cover the major groups of organisms studied by botanists, including fungi, cyanobacteria, algae, nonvascular plants, gymnosperms and flowering plants. You will be expected to recognize distinguishing features and understand how these features influence function. This course will introduce plant physiology, and biochemistry of plants. The greenhouse will be used to gain hands on experience. Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities.

Note: This course may count as a 0.5 science credit for juniors and seniors who have earned at least two science credits.

Prerequisite: Introduction to Agricultural Science

TOPICS IN SCIENCE — Course Number 7540

This is designed for juniors and seniors. Students will explore the basics of chemical, physical, and biological sciences within the current world. The course will involve class discussions, research, debates, presentations, written assignments, and labs. Students will be expected to read articles and think/speak critically in order to enhance the class. The curriculum is ongoing and constantly changing, so new ideas and topic requests from students are highly encouraged.

SOCIAL STUDIES DEPARTMENT

Becoming better informed and responsible global citizens is the primary goal of the Annville-Cleona Social Studies Department. The department is committed to challenging students in thoughtful and creative ways to help them better understand and analyze the many social, political, economic, legal, and geographic issues within our contemporary and historical world. Students seeking additional course offerings in Social Studies should consult the Dutchmen Virtual Academy offerings.

Graduation Requirement – 3 credits of Social Studies

Social Studies - All students are required to take the prescribed Social Studies courses during their 9th and 10th grade years. Students must then take at least one of the other required options listed below in 11th or 12th grade.

SOCIAL STUDIES DEPARTMENT						
Social Studies Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
American Government CP	11, 12	Required Option	Yes	1.0	1	No
American History 2 CP	9	Required Option	Yes	1.0	1	No
Essentials of America: Skills for Life and Citizenship	9	Required Option	Yes	1.0	1	No
Understanding our World: Cultures and Connections	10	Required Option Offered 2027-2028	Yes	1.0	1	No
Global Studies CP	10	Required Option	Yes	1.0	1	No
Introduction to Psychology CHS	11, 12	Elective	No	1.4	1	No
Everyday Citizenship: Understanding your Role in the World	11, 12	Required Option Offered 2027-2028	Yes	1.0	1	No
Sociology	11, 12	Elective	No	1.0	0.5	No
Sport in History	10, 11, 12	Elective	No	1.0	0.5	No
U.S. History from Settlement through the Civil War CHS	11, 12	Required Option Offered 2027-2028	Yes	1.4	1	Yes
U.S. History from Reconstruction to the Present CHS	11, 12	Required Option	Yes	1.4	1	Yes
World History: Crisis and Conflict	10, 11, 12	Elective	No	1.0	0.5	No
World History: European History	10, 11, 12	Elective	No	1.0	0.5	No

AMERICAN GOVERNMENT CP — Course Number 8550

American Government CP is a required option to be taken by all students either in grade 11 or 12. The purpose of this course is to understand the different roles and functions of government in our daily lives. Through student-guided lessons and teacher instruction, students will learn about the people, institutions, and procedures that form the government of the United States. During the course, particular attention will be given to the following topics: Foundation, Function, Roles and Types of Government System, Creation of the U.S. Government, The Constitution and Amendments, Legislative, Executive and Judicial Branches, Political Parties, The Electoral Process, Civil Rights and Responsibilities, Fiscal Policy, and State and Local Government.

AMERICAN HISTORY CP — Course Number 8350

This course is required for all grade 9 students. American History 2 CP is designed to introduce students to many people and events of our political, economic, and social development from Reconstruction through the Modern Era. In this course, students will engage in a variety of authentic learning activities that include various project-based learning activities. Emphasis will be placed on becoming more informed and effective citizens of their school, community and country. Interpretation of historical information is the primary task of student historians in this course.

ESSENTIALS OF AMERICA: SKILLS FOR LIFE AND CITIZENSHIP — Course Number 8351

This course uses maps, visuals, short readings, videos, and hands-on projects to help students explore geography and culture through the five themes of geography. Students will read and create maps, organize information using graphic organizers, and complete projects that connect geography to daily life, such as studying food, resources, climate, and cultural practices. Instruction emphasizes communication, collaboration, and practical understanding as students work individually and in groups to examine how people live and interact around the world. This course supports students who benefit from a slower-paced, applied approach to global studies.
Note: Enrollment in this course is by counselor and/or administrative recommendation only

UNDERSTANDING OUR WORLD: CULTURES AND CONNECTIONS — Course Number 8352

Offered 2027-2028 School Year

This course uses real-world examples, simplified readings, guided discussions, and community-based experiences to help students understand government and citizenship. Students will examine how local, state, and national governments function, how laws affect daily life, and how citizens participate in their communities. Activities may include analyzing real-life scenarios, discussing current issues at an introductory level, and visiting local government institutions. The course emphasizes practical civic skills such as understanding rights and responsibilities, identifying reliable information, and communicating respectfully. It is designed to prepare students for informed participation in civic and community life.
Note: Enrollment in this course is by teacher and/or administrative recommendation only

GLOBAL STUDIES CP — Course Number 8460

Global Studies CP is required to be taken by all students in grade 10. The purpose of this course is to learn about the combined experiences of millions of people across time, which have come together to form societies and cultures of today's world. Through student guided lessons and teacher instruction, students will study the past, from 1450 to modern day, focusing on several broad themes central to world history, geography, economics, government, culture, technology, and global relations. Throughout the yearlong course, particular attention will be focused on certain regions of the world including Europe, Africa, the Middle East, South Asia and East Asia.

INTRODUCTION TO PSYCHOLOGY CHS — Course Number 8751

The objective of this course is to provide students with an overview of the diverse field of psychology, and an appreciation of the way that behavior and mental processes can be studied scientifically. The study of behavior with special emphasis upon individual human behavior and one's understanding of oneself is emphasized. Areas of study include learning, motivation, sensation and perception, personality development, abnormal psychology and social psychology.

EVERYDAY CITIZENSHIP: UNDERSTANDING YOUR ROLE IN THE WORLD — Course Number 8353

Offered 2027-2028 School Year

This course helps students understand how their choices, voices, and actions matter in their community and country. Students will learn how their government works and how decisions affect everyday life. Students will further explore how to find trustworthy information and how to take part in their community through service, voting, and responsible communication. By connecting current issues to real-life experiences, students will build confidence as active, informed citizens ready to make a difference in their communities.

Note: Enrollment in this course is by counselor and/or administrative recommendation only

SOCIOLOGY — Course Number 8777

This course is designed to introduce students to sociology, which is the study of relations between people and their social institutions, including problems that derive from these relations. Discussion topics will include culture, social institutions, socialization, social groups and stratifications, social conformity, and deviance.

SPORT IN HISTORY — Course Number 8779

Sport in History will examine the roots of American sport in colonial play and recreation, the emergence of organized and national sports, issues of gender and race in the sporting world, and the intersection of U.S. sport with events such as the Civil Rights Movement and the Cold War.

U.S. HISTORY FROM RECONSTRUCTION TO THE PRESENT CHS — Course Number 8700

This college introductory level course traces and analyzes the central development in U.S. History from Reconstruction to the present. This period in U.S. History is characterized by dramatic and sweeping political, economic, social, and cultural change, as well as expanding global engagement. Students will probe themes such as the definition of citizenship and the expanding role of government in citizens' lives, development of an industrial economy, global interventions such as the U.S. role as a Cold War superpower, response to economic collapse and war, migration and immigration, ethnic identity, race relations, gender roles, and labor rights. We will also examine how various groups of Americans have challenged the status quo in a determined expectation that the United States should live up to the promise of its founding ideals of equality and freedom. Finally, this course will serve to familiarize students with the academic discipline of history, including methodologies and practices. Students will interpret primary and secondary sources, learn to read and construct historiographical arguments, and hone analytical and evidence-based writing skills. The course has an emphasis on reading and writing and is based on college-level text.

Prerequisite: "B" in previous Social Studies courses

U.S. HISTORY FROM SETTLEMENT THROUGH THE CIVIL WAR CHS — Course Number 8701

Offered 2027-2028 School Year

This college introductory level course traces and analyzes the central developments in U.S. History from the explorations of the 15th Century through the Civil War. The course will examine the encounters among Native American, West Africans, and Europeans and the consequent transformation of the New World. Students will cover topics such as settlement, the process of colonization, the development, entrenchment, and experience of slavery, the road to revolution, the birth of a new nation, the role of government, expansion, political and economic change, the growth of institutions, reform movements, the rise of sectional conflict, and war. Throughout the narrative students will engage broader themes that relate to the dynamics of power, including the existence of and commitment to chattel slavery in a nation that viewed itself as steeped in notions of liberty and equality, the relegation of women and ethnic, religious, and ethnic minorities to interior status, the growth of national identity among white citizens, the dispossession of the native population from their land, and the impact of diverse people and ideas on the national character. Finally, this course will serve to familiarize students with the academic discipline of history, including methodologies and practices. Students will interpret primary and secondary sources, learn to read and construct historiographical arguments, and hone analytical and evidence-based writing skills. The course has an emphasis on reading and writing and is based on college-level text.

Prerequisite: "B" in previous Social Studies courses

WORLD HISTORY: CRISIS AND CONFLICT — Course Number 8783

Offered 2027-2028 School Year

As part of the World History Series, Crisis and Conflict is open to students grades 10-12. The course provides students with an overview of some historical and 20th Century world events that are focused on the paradigm of good vs. evil of individuals, groups, and nations. It will establish a psycho-social, historical, and cultural framework that enables students to examine case studies of crisis, genocide, and mass violence on six of the seven continents. The Holocaust in Europe, as well as the genocides in Turkey, Cambodia, the Americas, Rwanda, China, and North Korea, are some of the case studies that illuminate the mass violence of humans and the destruction of their ways of life. Students will examine why and how some people perpetrate evil (genocide, mass violence), are apathetic bystanders or take a stand for human rights.

WORLD HISTORY: EUROPEAN HISTORY — Course Number 8781

As part of the World History Series, European History is an elective open to students in grades 10-12. The course provides students with an overview of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like the interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovations. Students will discover these developments through several different time periods starting with the High Renaissance and going through the late 20th century.

WORLD LANGUAGE DEPARTMENT

In today's society, it is of utmost importance that students be able to communicate and function in different languages and cultures. Our goal in the World Language Department is to provide students with the opportunity to read, write, speak, and listen to languages using a wide variety of thematic vocabulary, verb tenses, and grammatical structures. It is our hope that these, along with exposure to the culture and countries, will provide the students with the necessary foundation and interest to continue their language study through level 4.

Graduation Requirement – Electives as needed

WORLD LANGUAGE DEPARTMENT						
World Language Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
French 1	9, 10, 11, 12	Elective DVA	No	1.0	1	No
French 2	10, 11, 12	Elective DVA	No	1.0	1	Yes
Honors French 3	11, 12	Elective DVA	No	1.2	1	Yes
Honors French 4	12	Elective DVA	No	1.2	1	Yes
Honors Spanish 3	11, 12	Elective	No	1.2	1	Yes
Honors Spanish 4	12	Elective	No	1.2	1	Yes
Intermediate College Spanish 1 CHS	12	Elective	No	1.4	1	Yes
Spanish 1	9, 10, 11, 12	Elective	No	1.0	1	No
Spanish 2	10, 11, 12	Elective	No	1.0	1	Yes

FRENCH 1 (via DVA) — Course Number DC4360

French I is a comprehensive and engaging introduction to French language and culture. After mastering the French alphabet and numbers, students study French culture, events, and people. By the end of the course, students have a foundation in the study of French, can engage in French conversation, and have built a solid foundation for further French language study.

FRENCH 2 (via DVA) — Course Number DC4460

In French 2, students continue their virtual tour through France and other French-speaking countries and regions. This second-level French course takes a historical perspective in teaching the language, covering historical events and historical figures. By the end of this course, students have gained a deeper knowledge of and appreciation for the French culture and language.
Prerequisite: "C" in French 1

HONORS FRENCH 3 (via DVA) — Course Number DC4560

This course continues to build students' vocabulary, grammar, and communication skills with the objective of improving student achievement in reading, writing, and speaking French. Students apply what they have learned in previous French courses to French conversation. At the end of this course, students are able to express themselves in French.
Prerequisite: "C" in French 2

HONORS FRENCH 4 (via DVA) — Course Number DC4660

In this level four French course, students apply the knowledge they gained in previous French courses to become true Francophones. Students explore exciting eras of French history, from the Crusades to the Renaissance to the modern day, learning about famous authors and historical figures along the way. The course provides students with an advanced knowledge and deep appreciation of the French language and culture. At the end of this course, students are able to speak, read, and write in French with basic fluency.
Prerequisite: "C" in Honors French 3

HONORS SPANISH 3 — Course Number 4550

The focus of this level will continue to stress the skills of reading, writing, listening, and speaking, via an ongoing review of Spanish 1 and 2 textbooks, teacher-created materials, and various online resources. Students will be encouraged to converse as much as possible in the language, as many classroom lectures and presentations will be conducted in Spanish. The study of vocabulary and more complex grammatical/syntactic structures will continue throughout the year along with discussions involving Spanish-speaking countries and other cultural-related events.
Prerequisite: "C" in Spanish 2

HONORS SPANISH 4 — Course Number 4650

In Honors Spanish 4, students will continue to work on the four language skills of reading, writing, listening and speaking as presented in level 3. Students will be required to speak in Spanish as much as possible, as much of the class will be conducted in Spanish. The course will include an overview of Spanish-speaking countries including history, literature, geography, current events and food. Throughout the year, focus will be given to more advanced verb tenses, grammatical concepts, and vocabulary via teacher-created materials, textbooks, internet resources, and native-speaker podcasts.

Prerequisite: 3 years of Spanish or equivalent native fluency

INTERMEDIATE COLLEGE SPANISH 1 CHS — Course Number 4650C

Intermediate College Spanish 1 CHS builds on and expands the language skills of reading, writing, listening and speaking, acquired in previous years of Spanish, while offering college credit and college level curriculum. Students will be required to speak in Spanish as much as possible in order to develop communicative proficiency. Throughout the year the course will focus on Spanish verb tenses, vocabulary and grammatical concepts. Students will also be required to complete the Honors Spanish 4 work as well. This course combines content-based language instruction with an interactive task-based approach via textbooks, teacher-created materials, the internet, native podcasts, and other ancillary resources.

Prerequisite: 3 years of Spanish or equivalent native fluency

SPANISH 1 — Course Number 4350

This course is designed to provide the student with a basic understanding of Spanish through listening, reading, writing, and speaking. Grammatical concepts, sentence formation, and vocabulary comprise the majority of the course with a supplement of cultural studies and Spanish-related events.

SPANISH 2 — Course Number 4450

As a continuation of level 1, this course will enhance the student's understanding through further study of grammar and syntax. Emphasis is placed upon correct pronunciation and the study of the present, past, future, conditional, and progressive tenses. A variety of culturally related activities and materials provides the student with real-life situations of the natives in Spanish-speaking countries.

Prerequisite: "C" in Spanish 1

AGRICULTURAL SCIENCE DEPARTMENT

Through Agricultural Education, students are provided opportunities for leadership development, personal growth, and career success. Agriculture education instruction is delivered through three major components: Classroom/Laboratory Instruction, Supervised Agricultural Experience, and Leadership through the National FFA organization. All Agriculture Education students are provided with basic membership in the National FFA Organization. They are considered Blue members of the Little Dutchmen FFA Chapter. To participate further in County, State, and National FFA activities, members must submit membership paperwork and an annual fee to become a Gold member.

Graduation Requirement – 0.5 Technology Education

The notation of "Tech Ed.*" means that course may count towards a technology education credit.

Agricultural Career and Technical Education Certificate Program:
Students who start taking Agriculture courses in grade 9 can earn a certificate by taking the General Agriculture NOCTI Exam. To qualify as program completer, students must take one Agricultural Science Course while concurrently also taking the Supervised Agricultural Experience (SAE) for all four years.

AGRICULTURE SCIENCE DEPARTMENT						
Agricultural Science Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Agricultural Engines and Technology	10, 11, 12	Elective	No	1.0	0.5	Yes
Agricultural & Technology Metal Fabrication	10, 11, 12	Required Option	Tech Ed.*	1.0	0.5	Yes
Animal Science	10, 11, 12	Elective	No	1.0	1.0	Yes
DIY: Agriculture and Technology	9, 10, 11, 12	Elective	Tech Ed.*	1.0	0.5	No
Food Science	11, 12	Elective	No	1.0	0.5	Yes
FFA/Leadership Development	10, 11, 12	Elective	No	1.0	0.5	Yes
Greenhouse Production and Management Science	10,11, 12	Elective	No	1.0	0.5	Yes
Introduction to Agricultural Science	9, 10, 11, 12	Required Option	Tech Ed.*	1.0	1	No
PA Wildlife, Aquatics, and Natural Resources	10, 11, 12	Elective	No	1.0	0.5	Yes
Plant Science	10, 11, 12	Elective	No	1.0	0.5	Yes
Supervised Agriculture Experience (SAE)	9, 10, 11, 12	Elective	No	1.0	0.5	Yes

AGRICULTURE AND TECHNOLOGY METAL FABRICATION Course Number 1774

This hands-on course introduces students to metalworking with a focus on three primary welding processes. Students will gain practical experience while learning the fundamentals of tools, machines, and metallic material processing. Safety, troubleshooting, and problem-solving techniques are emphasized throughout. To build skills progressively, students will complete a series of mini-projects to practice welding techniques before designing and fabricating a final project that showcases the processes learned in class.

Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.

Prerequisite: Introduction to Agricultural Science

AGRICULTURAL ENGINES AND TECHNOLOGY Course Number 7740

This course prepares students for careers with engines. The student will study the four strokes, engine part identification, and engine operation. The student must tear down the four-stroke engine, inspect and repair, reassemble, troubleshoot, and try to get the engine running. Units on career exploration, leadership, communication skills, record keeping and FFA are included in this agriculture class.

Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.

Prerequisite: Introduction to Agricultural Science

ANIMAL SCIENCE Course Number 7721

The primary goal of the CASE Animal Science course is to expose students to agriculture, animal science, and related career options. Throughout the course, students investigate consumer perceptions and preferences related to animals in local, regional, and global markets. Students gain knowledge and skills related to animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing through hands-on activities, projects, and problems. By mimicking work similar to that of animal science specialists, such as industry personnel, livestock producers, veterinarians, and zoologists, students learn to document work, solve problems, and communicate solutions to peers and members of the professional community. In addition, students encounter connections between animal science lessons and Supervised Agricultural Experience and FFA opportunities for experiential learning and leadership development.

Note: This course may count as 1.0 science credit for juniors and seniors who have earned at least two science credits; however, it is not NCAA-approved and may not be accepted as a science credit by post-secondary institutions. It is a CASE certified course that may earn credits at certain post-secondary institutions.

Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.

Prerequisite: Introduction to Agricultural Science

DIY: AGRICULTURE AND TECHNOLOGY — Course Number 1371

Dealing with real-life situations and problems that will ultimately arise while maintaining a home is the emphasis of this course. It is designed to help all students better prepare themselves for everyday living in an apartment or a house. Students will learn basic residential wiring, how to use tools, and techniques for basic plumbing, drywall skills, and general home upkeep.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

FOOD SCIENCE — Course Number 7723

This course will focus on the basic principles of the food science industry. Students will learn about food properties, quality and safety in the food industry. Students will also investigate the processing of plants and animals into various food products. This course will focus on the science that goes into creating the food that consumers eat in our technologically advanced world. Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities.
Note: This course may count as a 0.5 science credit for juniors and seniors who have earned at least two science credits; however, it is not NCAA-approved and may not be accepted as a science credit by post-secondary institutions.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

FFA/LEADERSHIP DEVELOPMENT — Course Number 7728

This course will focus on developing qualities within students that prepare them for both the workforce and higher education. The course content includes: FFA, effective communication, interviewing techniques, teamwork, and leadership styles and development. Students who enroll in this course are strongly encouraged to participate in the numerous FFA leadership activities.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

GREENHOUSE PRODUCTION AND MANAGEMENT SCIENCE — Course Number 7731

This course is designed to prepare students for the greenhouse and plant science industry. This course covers principles of greenhouse structures and design, plant health and growth, growing media, greenhouse crop selection, and propagation, marketing, and business management techniques. The greenhouse facilities will be used to gain hands-on experience in this course. Students who enroll in this course will be encouraged to participate in numerous FFA activities and competitions.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

INTRODUCTION TO AGRICULTURAL SCIENCE — Course Number 7720

This elective course is designed to give students an opportunity to learn about many areas of the agricultural industry including animal science, plant science, environmental science, woodworking, FFA, and Supervised Agricultural Experience (SAE). Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities and are required to maintain an SAE record book. Throughout the course, students will develop an understanding and respect for the agricultural industry.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Note: This course meets the Tech Ed. graduation requirement.

PENNSYLVANIA WILDLIFE, AQUATICS, AND NATURAL RESOURCES — Course Number 7750

This course explores native and invasive wildlife and aquatics species and their relationship with natural resources. Topics covered in this course include plant/animal species identification and behavioral physiology, fish and game regulations, human impact on our environment, and current issues related to wildlife, aquatics, and natural resources. Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

PLANT SCIENCE — Course Number 7722

This course is designed to explore plants and their many facets, from careers, agronomic crops, greenhouse plants, landscape management, soils, and floriculture. This course will cover the major groups of organisms studied by botanists, including fungi, cyanobacteria, algae, nonvascular plants, gymnosperms and flowering plants. You will be expected to recognize distinguishing features and understand how these features influence function. This course will introduce plant physiology and biochemistry of plants. The greenhouse will be used to gain hands-on experience. Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities.
Note: This course may count as a 0.5 science credit for juniors and seniors who have earned at least two science credits.
Note: Students enrolled in this course are also enrolled in the FFA organization as a Blue member and will also be enrolled in a Supervised Agriculture Experience (SAE) course.
Prerequisite: Introduction to Agricultural Science

SUPERVISED AGRICULTURAL EXPERIENCE (SAE) Course Number 7800

This course is available for any student who has taken an agricultural science class. Students will be required to maintain a project outside of class time using Pennsylvania's approved record book. This class will not meet during the school day and is taken on an independent basis. This course will develop knowledge and experience base through planning and record-keeping that will equip students with skills for any agricultural career they pursue. Students will receive quarterly pass/fail grades for their projects.

ART DEPARTMENT

In today's fast-paced and ever-changing world, the arts play a vital role in equipping students with essential skills needed to navigate the challenges of the 21st century. Even if you don't plan to pursue a career in the arts, participating in art courses offers numerous benefits. Engaging in the arts enhances fine motor skills, improves hand-eye coordination, and fosters effective communication, problem-solving abilities, time management, complex analysis, and critical thinking skills. Furthermore, the arts provide valuable historical context and promote cultural understanding. Studies have shown that students who study the arts tend to achieve higher levels of success in both high school and university. Our visual arts program aims to enhance visual literacy through a variety of experiences, helping students improve their technical skills while nurturing creativity, self-confidence, critical thinking, and self-expression.

Graduation Requirement – 0.5 Survey of Art and Design

ART DEPARTMENT						
Art Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Ceramics	10, 11, 12	Elective	No	1.0	0.5	Yes
Ceramics CHS	10, 11, 12	Elective	No	1.4	0.5	Yes
Digital Art	10, 11, 12	Elective	No	1.0	0.5	Yes
Digital Photography	10, 11, 12	Elective	No	1.0	0.5	Yes
Digital Photography CHS	10, 11, 12	Elective	No	1.4	0.5	Yes
Drawing	10, 11, 12	Elective	No	1.0	0.5	Yes
Fine Arts Fusion	10, 11, 12	Elective	No	1.0	0.5	Yes
Painting	10, 11, 12	Elective	No	1.0	0.5	Yes
Sculpture	10, 11, 12	Elective	No	1.0	0.5	Yes
Survey of Art and Design	9, 10, 11, 12	Required	Yes	1.0	0.5	No

CERAMICS — Course Number 3735

Ceramics will focus on developing students' skills and aesthetic sensibilities while concentrating on the use of clay as a creative and functional medium. Techniques presented will include all hand-building techniques such as pinching, coiling, and slab building. Slip casting, modeling, extruding, and throwing on the potter's wheel will be taught. Finished work will utilize a variety of surface treatments including glazing, under glazing, slip trailing, painting and patinas.
Prerequisite: Survey of Art and Design

CERAMICS CHS — Course Number 3738

CHS Ceramics is a dual enrollment college level ceramics course. It is designed to instruct students in a variety of advanced clay techniques. The intent is to increase skills, knowledge, and experience in the use and function of ceramics. Through the study of history, aesthetics, cultural influence and function, students will work toward the development of their personal artistic vision with this 3-Dimensional medium. All hand-building methods (pinching, slab building and coil building) will be covered as well as slip casting, extruding and developing more techniques using the potter's wheel. Emphasis will be placed on creating artistic as well as functional work. To receive college credit, some additional project work is required.
Prerequisite: "B-" or better in Survey of Art and Design

DIGITAL ART — Course Number 3720

Do you enjoy using computers, tablets, apps and programs to create your art? Digital Art is a course designed to tap into the artistic possibilities created by technology to create new artwork. Learn a variety of programs, tools and techniques to create interesting and engaging artwork. The course will introduce 2-Dimensional digital imaging techniques and concepts for the production of original art and design using computer graphics hardware and software.
Prerequisite: Survey of Art and Design

DIGITAL PHOTOGRAPHY — Course Number 3737

Have you always wished to know how photographers get those stunning artistic shots? The Digital Photography course will help you to develop the basic skills and knowledge necessary to operate a digital camera and achieve shots you've only dreamed of before. Students will learn photography terminology, history and how to use compositional techniques. This course also includes a unit on cell phone photography and introduces current apps which will allow you to get amazing effects. Digital photography skills, processing and mounting techniques will also be studied. Adobe Photoshop CC is used to explore creative and experimental possibilities for processing and manipulating photographs. A camera is not required to take this course; however, students are encouraged to use their own camera if they have one so that they can become familiar with its functions.
Prerequisite: Survey of Art and Design

DIGITAL PHOTOGRAPHY CHS — Course Number 3737C

This dual enrollment digital photography course will help you to develop the basic skills and knowledge necessary to operate a digital camera and use it to its maximum potential. This course also includes a unit on cell phone photography and introduces current apps which will allow you to get amazing effects. Learn compositional techniques that will instantly improve your photos. Adobe Photoshop is used to explore creative and experimental possibilities for processing and manipulating photographs and to create digital art. A camera is not required to take this course; however, students are encouraged to use their own camera if they have one so that they can become familiar with its functions. This course is also eligible for dual enrollment with LVC for college credits with a small amount of additional project work.
Prerequisite: "B-" or better in Survey of Art and Design

DRAWING — Course Number 3711

Express your life and imagination through lines. Whether you're a beginner or looking to refine your abilities, drawing is a fundamental skill that will expand and enrich your artistic experience. We cover everything from fundamental sketching techniques to advanced composition using a wide array of drawing media. Understand the properties of light and form, perspective, space and proportion by completing a variety of projects. Students will have the opportunity to express their creativity while fostering their own individual style of self-expression.
Prerequisite: Survey of Art and Design

FINE ARTS FUSION — Course Number 3717

In this engaging course, students will dive into the world of mixed media and artisan design. Creativity will abound throughout the semester as you explore a variety of materials and their limitless combinations to create stunning pieces of art. Students will experiment with mixed media sculpture, paintings, and drawings. They will incorporate everything from found objects to technology into fine art. We encourage you to express your artistic voice while developing artisan techniques and skills with a variety of media not taught in any of the other art courses. Get ready to unleash your imagination to create extraordinary works of art while combining different materials and mediums in innovative ways.
Prerequisite: Survey of Art and Design

PAINTING — Course Number 3715

Painting is a secondary level art elective designed to refine students' developing painting skills. Students will acquire new knowledge and techniques using a variety of painting media including watercolor, tempera, and acrylics. A study of artists and historical painting styles will broaden students' understanding of painting. This course allows students to explore their creativity while developing their individual style and sense of self-expression.
Prerequisite: Survey of Art and Design

SCULPTURE — Course Number 3725

In this course students will have the opportunity to construct 3-dimensional projects using a wide variety of materials, such as clay, wire, plaster, plaster craft, and others. Students will gain an understanding about different sculpting methods and general tools. They will acquire the skills to successfully construct 3-Dimensional sculptures in the round and learn additive, subtractive and assemblage techniques. Taking this course will help to refine skills that have a variety of applications for everyday life as well as numerous professions. Students will be able to demonstrate their creativity and self-expression by sculpting with a variety of methods, materials, and tools.
Prerequisite: Survey of Art and Design

SURVEY OF ART AND DESIGN — Course Number 3701

This entry level art course is a graduation requirement designed to instruct students in a variety of media and techniques with the intent to increase skills, knowledge, and experiences in the visual arts. Instruction in drawing, painting, ceramics, and printmaking techniques are utilized to increase technical skills. Digital editing tools and graphic design features are introduced. This course is designed to meet all PA state visual art standards with the elements of art and principles of design integrated into student projects. Art theory instruction will help students find their individual artistic vision and enhance their visual literacy. All students must take this course before qualifying for any other art electives.

BUSINESS DEPARTMENT

The business education department provides students with the opportunity to master three essential life skills:

1. Build a solid foundation to make wise financial decisions for life.
2. Realize technology is forever changing and therefore, be flexible and efficient with a variety of applications for personal productivity.
3. Prepare to interact in the business world by understanding marketing, ethics, entrepreneurship, and accounting.

Graduation Requirement – 0.5 Business

The notation of "Math*" means that those courses may count towards a math credit for juniors and seniors who have earned at least two math credits.

BUSINESS DEPARTMENT						
Business Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Accounting 1	10, 11, 12	Elective	Math*	1.0	1	Yes
Accounting 2	11, 12	Elective	No	1.0	1	Yes
Entrepreneurship	11, 12	Elective	No	1.0	1	No
Ethical Leadership	11, 12	Elective	No	1.0	0.5	No
Introduction to Business	9, 10, 11, 12	Elective	No	1.0	0.5	No
Marketing and Advertising	10, 11, 12	Elective	No	1.0	0.5	No
Personal Financial Literacy	11, 12	Required	Yes	1.0	0.5	No

ACCOUNTING 1 — Course Number 1750

Accounting 1 is a course designed for students in grades ten through twelve who plan to attend college and major in accounting or seek a responsible position in the business field. Basic accounting practices for proprietorships and partnerships are covered. Each type of business is presented in a complete accounting cycle covering analyzing transactions, journalizing, posting, petty cash, financial statements, and adjusting and closing entries.

Note: This course may count as a math credit for juniors and seniors who have earned at least two math credits; however, it is not NCAA-approved and may not be accepted as a math credit by post-secondary institutions

Prerequisite: Introduction to Business

ACCOUNTING 2 — Course Number 1751

Accounting 2 is a continuation of Accounting 1 for students in grades eleven and twelve. Accounting 2 expands on topics introduced in the first-year course for corporate accounting while adding new topics about corporate accounting, management accounting, cost accounting, not-for-profit accounting, and financial analysis. These concepts are introduced using modern businesses to which students can relate. ***Prerequisite: Accounting 1***

ETHICAL LEADERSHIP — Course Number 1340

This course is a principles-based ethics course introducing students to key leadership and ethical knowledge and skills, including integrity, trust, accountability, transparency, fairness, respect, rule of law, and viability. Throughout the course, students apply ethical principles to contemporary, real-world situations that teens and young adults often encounter in school, at home, with friends, and in entry-level job positions. Instructional Areas Covered: Business Law, Communication Skills, Emotional Intelligence, Operations, and Professional Development

ENTREPRENEURSHIP — Course Number 1353

The Entrepreneurship course is designed to introduce students to the world of small business ownership and management. This course builds students' skills in the knowledge of types of business ownership, legal issues, business finance/start-up costs, business trends, site selection, marketing, pricing strategies and the development of a business plan on the students' product/service of choice. The Entrepreneurship class will develop and/or operate a class business in which they will realistically perform duties in areas such as product planning, financing, human resources, marketing/advertising, selling, and management of product(s). This hands-on course involves students in a variety of activities that will provide them with the skills necessary to be successful in a constantly changing workplace.

INTRODUCTION TO BUSINESS — Course Number 1343

Introduction to Business will give students a sampling of the many areas of business such as the basic role of a business; the economic environment as it relates to supply and demand; money, banking, and financial markets; business ownership (entrepreneurship); marketing; a snippet of accounting; business ethics and corporate social responsibility. Students will be expected to grow their computer application skills as well by creating quality products in the application requested.

MARKETING AND ADVERTISING — Course Number 1123

Students will discover what it takes to market and sell a product or service in today's fast-paced business environment. They will learn about buyer behavior, marketing research principles, and effective methods of promotion, distribution, pricing, and product management. Students will analyze current advertising trends, create original advertisements and explore other related topics, including creating ads for various media such as TV, radio, newspaper, the internet, and more.

PERSONAL FINANCIAL LITERACY — Course Number 1351

This course will cover the basics of personal finance. Students will be guided through the process of creating a budget, stressing the importance of financial planning, learning the importance of investing as well as the pros and cons of credit. Students will explore banking services and many types of insurance. The course will conclude with an examination of career choice and its relationship to personal finance. Preparation for life after graduation is key and will guide every aspect of this course. Students taking this course will have the opportunity to obtain an industry credential.

COLLEGE AND CAREER READINESS

College and Career Readiness focuses on the skills needed for all students to be successful, regardless of the pathway they choose after high school.

COLLEGE AND CAREER READINESS						
College and Career Readiness Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Internships	11, 12	Elective	No	1.0	1.0	Yes
Leadership Skill Development	10, 11, 12	Elective	No	1.0	0.5	No
Right Start to College 1 CHS	10, 11, 12	Elective	No	1.4	0.5	No

INTERNSHIPS — Course Number 5555

The internship program is available to junior and senior students who wish to participate in career-related (non) paid on-the-job-training experience on a daily basis. Students planning to enter the job market immediately following graduation can learn entry-level skills through supervised job training. Students must obtain work-site placements that will enable them to acquire meaningful career-related experiences in an atmosphere conducive to learning. All work-site placements must be pre-approved by the internship coordinator. A maximum of two (2) elective credits can be earned through this program. To be considered for the internship program, students must complete an application packet, be in good standing with academics, attendance, and discipline, and receive positive recommendations from their classroom teachers.
Note: Applications are available in the Counseling Office and students must be pre-approved.

LEADERSHIP SKILL DEVELOPMENT — Course Number 0002

This course converges the study of leadership principles with the action of building a healthy school-wide culture and climate. Leadership theories, concepts, and skills are analyzed through class instruction and interactive activities. This traditional approach to learning is extended into the application of each lesson topic through service-learning experiences specifically designed to positively affect the school's culture and climate, physical campus experience, as well as stakeholder trust and morale.

RIGHT START TO COLLEGE 1 CHS — Course Number 0001

This course provides students the opportunity to learn and utilize academic success strategies necessary to be successful in college courses. These strategies include test taking strategies, critical thinking, note taking, time management, along with organization, communication, problem solving, and teamwork skills.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Family & Consumer Sciences focuses on skills needed to successfully manage resources, not only as individuals, but as group members within the family, workplace, and community. With a variety of courses offered, Family & Consumer Sciences helps students develop skills in the areas of self-confidence, setting goals, developing values and making educated decisions. These courses prepare students for daily life challenges by providing opportunities to express individual creativity. Family & Consumer Sciences students develop career pathway awareness, 21st century skills, an understanding of relationships and life management skills surrounding nutrition, consumerism and parenting.

Graduation Requirement – 0.5 credit Family and Consumer Science Skills

FAMILY AND CONSUMER SCIENCE DEPARTMENT						
Family and Consumer Science Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Culture and Cuisine	11, 12	Elective	No	1.0	0.5	Yes
Family and Consumer Science Skills	9, 10, 11, 12	Required	Yes	1.0	0.5	No
Foods 1	10, 11, 12	Elective	No	1.0	0.5	Yes

CULTURE AND CUISINE — Course Number 1769

This is an elective course for all students in grades 11 and 12, who have successfully completed FCS Skills and Foods 1. It explores cuisines around the world and the factors that influence them, including geographical location, climate, crops, and culture. Students will study the similarities and differences of each culture and its cuisine, and they will learn to prepare dishes from each region.
Pre-requisite: FCS Skills and Foods 1

FAMILY AND CONSUMER SCIENCE SKILLS — Course Number 1360

This is a required course for high school students. The total class periods are varied to expose the student to the three areas of Family and Consumer Sciences, thus enabling students to better decide future specialized courses. The childcare unit exposes the student to information on children from the age of 0 to 5 years. Physical, intellectual, social and emotional developments are covered. The foods unit exposes students to basic nutrition information, kitchen safety and sanitation, measurement, and following a recipe. The sewing unit reviews basic hand sewing from middle school and introduces students to the sewing machine. The student may have the option of purchasing additional supplies depending on the projects chosen. Resource management will be incorporated throughout the course as students learn how to manage basic finances and shop within a budget.

FOODS 1 Course Number 1765

This is an elective course for all students. It builds on the skills taught in FCS skills and provides students with a strong foundation of culinary skills. Each food group is explored in detail as it related to parts of a meal and menus. Students will have an opportunity to prepare foods from each category. Students work in teams as they prepare food in a laboratory situation. Food safety, sanitation, and meal prep are covered in each cooking lab. Students that take this course have the opportunity to take the SERV Safe certification test to obtain an industry certification.
Prerequisite: Family and Consumer Science Skills

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Health - The fundamental goal of health education is to provide students with the knowledge and skills that revolve around the different dimensions of health. Students are supported in their efforts to apply knowledge, attitudes and behaviors toward achieving wellness and maintaining a healthy lifestyle. These courses are designed to give students the skills to make healthy decisions in life.

Physical Education - The fundamental goal of physical education is focused upon the acquisition of knowledge and skills that are the foundation for engaging in physical activity. Our mission is to empower all students to sustain regular, lifelong physical activity as a foundation for a healthy, productive and fulfilling life.

Graduation Requirement - 0.5 credit Health and 1 credit Physical Education

HEALTH AND PHYSCIAL EDUCATION DEPARTMENT						
Health and Physical Education Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Health - 0.5 credit required						
Health	9, 10, 11, 12	Required	Yes	1.0	0.5	No
P.E. – 1 credit required (choose 2 required options)						
Accelerated HS Physical Education 1	10, 11, 12	Required Option	Yes	1.0	0.5	Yes
Advanced Weight Training	10, 11, 12	Required Option	Yes	1.0	0.5	Yes
Online Drivers Education	9, 10, 11, 12	Elective	No	1.0	0.25	No
Introduction to Weight Training	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
General Physical Education	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Trends in Fitness	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Accelerated HS Physical Education 2	11, 12	Elective	No	1.0	0.5	Yes

HEALTH — Course Number 5360

This is a co-educational program in which emphasis is placed on factors that may impact students as they develop into adulthood. Emphasis will be placed on Personal Health, Nutrition, Drugs, Alcohol, Reproductive Systems, Healthy Relationships, CPR/Basic First AID Communicable/Non-communicable Diseases and Death/Dying. This course is a requirement for all high school students. Students will earn a CPR/Basic First Aid credential with a passing exam score and completion of this course.

ACCELERATED HS PHYSICAL EDUCATION — Course Number 5345

This course is designed for students that desire a challenging and competitive atmosphere. Skill and health-related fitness components, sports training concepts, and other means of improving physical development are topics that will be presented. Team and individual sports will also be included. General Fitness Assessment will be administered in this course.
Prerequisite: Must have a Physical Education Teacher Recommendation.

ADVANCED WEIGHT TRAINING — Course Number 5335

Students will have the opportunity to utilize this time for sport-specific training. Students will be required to plan and implement a training program specific to their athletic goals. Students will be responsible for course content, as well as performance progression. Pre and post-fitness assessments will be administered in order to analyze and evaluate individual progress throughout the semester.
Prerequisite: Introduction to Weight Training or a Varsity Coach's Recommendation.

ONLINE DRIVERS EDUCATION — Course Number 5755

This 30-hour **quarter**-of-a-semester course is completed at the student's pace virtually supported by a certified A-C staff member. Students that take this course to learn the laws and expectations of being a new driver. Students that pass the course will receive .25 elective credit.

INTRODUCTION TO WEIGHT TRAINING — Course Number 5330

This course is designed for students interested in gaining introductory knowledge of weight training principles and practices. Students will learn terminology, basic weight training principles and techniques, and how to develop a personal training plan. Pre and post fitness assessments will be administered in order to analyze and evaluate individual progress throughout the semester.

GENERAL PHYSCIAL EDUCATION — Course Number 5316

The course is designed for students interested in learning skills and strategies for a variety of competitive activities in a team and individual setting. Court and field games will be utilized to discover personal challenge, physical benefits, motivation and self-improvement. The goal of this course is to develop student competency in the application of basic skills and strategies in a variety of sport and leisure activities that can be applied toward student wellness. General fitness assessments will be administered for this course.

TRENDS IN FITNESS — Course Number 5310

This class is designed to develop students' desire for physical activity. The goal of this course is to promote fitness through current and popular fitness activities based on the components of fitness. Course activities include HITT, Tabata, flexibility, stress management, strength training, alternative resistance using ropes, bands and medicine balls and suspension training, kickboxing, digital fitness options and exposure to various research and developmental concepts. Pre and post-fitness assessments will be administered in order to analyze and evaluate individual progress throughout the semester.

ACCELERATED HS PHYSICAL EDUCATION 2 — Course Number 5346



This course is designed for students who would like to continue participating in a challenging and competitive atmosphere. Students will be evaluated using skill-based rubrics, as well as challenge-based learning projects within the classroom setting. General physical fitness assessments will be administered for this course.
Prerequisite: Must have a Physical Education Teacher Recommendation and successful completion of Accelerated HS Physical Education 1.

MUSIC DEPARTMENT

Music benefits the overall learning process of every child. Research reveals that more areas of the brain become active when children engage in playing music (Frank Wilson, 1999). Through the study of music, all students develop knowledge and skills that prepare them to experience the power of music in life. Students discover music as a unique form of communication and as a means of self-expression. They learn of the universal role of music in the transmission of culture and the chronicling of history. The study of music gives students a broader worldview and an appreciation for diverse perspectives.

Graduation Requirement – 0.5 credit Music

MUSIC DEPARTMENT						
Music Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
A-C Chorale	9, 10, 11, 12	Elective	No	1.0	0.5	Yes
Chorus 9 - 12	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Music Technology	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
History and Performance of American Popular Music	9, 10, 11, 12	Required Option Offered 2027-2028	Yes	1.0	0.5	No
History and Performance of Music Through the Ages	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Introduction to Theater	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Madrigals	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Music Theory 1	10, 11, 12	Elective	No	1.0	0.5	No
Music Theory 2	11, 12	Elective	No	1.0	0.5	Yes
Music Theory 3	12	Elective	No	1.0	0.5	Yes
Senior High School Band	9, 10, 11, 12	Required Option	Yes	1.0	1	Yes

A-C CHORALE — Course Number 3768

This vocal ensemble offers the opportunity for the more advanced student to sing a distinctive and select repertoire, which develops performance skills and musical independence. It helps to develop musical leaders and encourages those who might be considering music as a career. Students are required to attend some after-school rehearsals and must perform public concerts as scheduled beyond the school day. Students gain membership through auditioning with the director. Simultaneous membership in 9, 10, 11, or 12th grade chorus is required.
Prerequisite – Chorus 9-12

CHORUS 9-12 — Course Number 3762

The chorus is open to any student in high school. The purpose of the chorus is to offer opportunities to develop vocal/ensemble performance skills by singing a varied selection of choral music from various time periods. Emphasis is placed on the development of correct vocal production and general performance practice. Students are required to attend out-of-school rehearsals as scheduled and to perform in both in-school and out-of-school concerts.

HISTORY AND PERFORMANCE OF AMERICAN POPULAR MUSIC — Course Number 3782

Offered 2027-2028 School Year
History and Performance of American Popular Music will examine the evolution of American Popular Music from the mid-19th Century to the present. Students will explore the musical advancements, historical significance, and social ramifications of popular music in American culture. Students will be required to perform within various popular music styles at an elementary level using piano, guitar, percussion and/or the voice.

HISTORY AND PERFORMANCE OF MUSIC THROUGH THE AGES — Course Number 3780

History and Performance of Music through the Ages will trace the development of music from the Medieval through the Contemporary Periods. Students will explore the historical significance of the music of the great master composers throughout the ages. Students will also be required to perform various music styles at an elementary level using piano, guitar, percussion and/or voice

INTRODUCTION TO THEATER — Course Number 3785

This course is designed for the student interested in exploring literature from both the musical and non-musical theater. The course will include the history, literature and logistics of the theatre as well as basic acting and singing techniques. An emphasis will be placed on the exploration of the American Musical Theatre in the second marking period of the course.

MADRIGALS — Course Number 3766

Madrigals is a highly select chamber ensemble that emphasizes the performance of Renaissance and Contemporary a cappella choral literature. This course places high-level performance demands on the voice. Students are required to attend rehearsals out of school and participate in both in-school and public performances. Students gain membership through an audition with the director.
Prerequisite: A-C Chorale, 9-12 Chorus

MUSIC THEORY 1 — Course Number 3786

This course is designed for the student wishing to learn basic music composition skills and for the student who has an interest in pursuing a career in music. It includes a study of various types of composition, sight singing, ear training and traditional based harmony. The course will progress to dominant harmonic structures. This course may be taken as an independent study with prior approval from the teacher and administration.

MUSIC THEORY 2 — Course Number 3787

This course is an elective for the student who has completed Music Theory 1. The student will continue the study of advanced triadic, harmony and will be required to compose simple songs and accompaniments using traditional board harmony. This course may be taken as an independent study with prior approval from the teacher and administration.
Prerequisite: Music Theory 1

MUSIC THEORY 3 — Course Number 3788

This course is an elective for the student who has completed Music Theory 2. It will explore Twentieth Century compositional techniques. The student will be required to compose simple songs using these techniques. This course may be taken as an independent study with prior approval from the teacher and administration.
Prerequisite: Music Theory 2

MUSIC TECHNOLOGY — Course Number 3784

present in order to establish the history of creating music using electronic procedures and technology. From this point, the focus of the class becomes the development of creating music using technology Topics include: basic MIDI and operations for composing and performing, the functions of Garage band, basic piano skills, and the history of music technology and recording.

SENIOR HIGH SCHOOL BAND Course Number 3773

Senior High School Band is offered as an elective course. This comprehensive program includes both concert and marching experiences and obligations. All students enrolled will participate in concert band, marching band, and chamber ensembles. Students will develop performance skills on their individual instruments and learn various musical styles and performance practices. Students are seated based on audition at the beginning of each semester. All band students are required to perform during concerts in school, in public performances, adjudication festivals, football games, parades, and in exhibitions as per a published yearly schedule. A schedule of rehearsals and performances is published and distributed every spring for the next school year.

Prerequisite: Demonstration of Instrument Proficiency through audition.

SPECIAL EDUCATION OFFERINGS

Annville-Cleona High School has various support programs available to students who have learning differences as documented in their Individualized Education Program (IEP). Enrollments in these specific courses are dependent upon recommendations made by the IEP team.

SPECIAL EDUCATION OFFERINGS						
Special Education Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Academic Support Skills	9, 10, 11, 12	Required Option	No	1.0	0.5	Yes
Behavioral Support Skills	9, 10, 11, 12	Required Option	No	1.0	0.5	Yes
Foundations English 9	9	Required Option	No	1.0	1	Yes
Foundations English 10	10	Required Option	No	1.0	1	Yes
Foundations English 11	11	Required Option	No	1.0	1	Yes
Foundations English 12	12	Required Option	No	1.0	1	Yes
Foundations Algebra 1A	9, 10	Required Option	No	1.0	1	Yes
Foundations Algebra 1B	9, 10, 11	Required Option	No	1.0	1	Yes
Foundations Pre-Algebra	9	Required Option	No	1.0	1	Yes
Life Skills Support	9, 10, 11, 12	Required Option	No	1.0	1	Yes

ACADEMIC SUPPORT SKILLS — Course Number 9000

The purpose of Academic Support is to reinforce regular education classroom instruction. Organizational strategies, study skills, support for online coursework and specialized testing assistance is available. Eligible students may take the course for credit, or may participate on an as-needed basis, depending on their individual plans developed. Students will be registered for this class based upon student needs as described in the IEP.

Note: Students may earn a maximum of 1 credit each academic year of their HS career regardless of the number of times they are enrolled in this class.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

BEHAVIORAL SUPPORT SKILLS — Course Number 9006

Students with disabilities who need specially designed instruction (SDI) may receive instruction in the emotional support (ES) environment as determined by their IEP team. Students are provided with instruction in Language Arts, Mathematics, Social Studies, Science, and Transition/Daily Living Skills as defined by their IEP. In addition, each student receives transition services designed to prepare him/her for life after high school graduation. These services may include job training, community-based instruction, collaboration with community agencies and assistance in accessing post-secondary education opportunities.

Note: Students may earn a maximum of 1.0 credit throughout their HS career regardless of the number of times they are enrolled in this class.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ENGLISH 9 — Course Number 9210

Foundations English 9 mirrors the English 9 CP curriculum. It emphasizes the study of grammar, which will be applied in verbal and written communication. Paragraph structure and composition skills will be developed as part of the writing process. These skills prepare students for research based upon a teacher approved topic. Literature includes nonfiction essays, short stories, poetry, drama, and several novels by American and English authors. Vocabulary study is stressed throughout the year, and vocabulary will be integrated into oral and written communication.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ENGLISH 10 — Course Number 9215

Foundations English 10 mirrors the English 10 CP curriculum. It leads to additional grammar practice, vocabulary, usage, composition, and mechanics of writing. Writing projects include personal essays, descriptions, reading journals, discussions of literature, and research papers. Literature selections focus on essays, short stories, novels, and drama. An emphasis is placed upon literary elements in preparation for the Keystone Literature Exam. Students will also use oral communication skills through informal and formal presentations.

Upon completion of this course, students will take the Keystone Literature Exam.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ENGLISH 11 — Course Number 9220

This course mirrors the English Essentials 11 curriculum. This course will utilize a variety of resources including magazine articles, leveled books, technical manuals, and web-based content to explore, evaluate and apply literary skills necessary to be career-ready. Communication, collaboration, critical thinking and creativity will be integrated throughout all units with a focus on written expression and discussions of informational reading. This course is developed for the student whose career goals do not require a four-year college degree.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ENGLISH 12 — Course Number 9225

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.
This course mirrors the English Essentials 12 curriculum. This course will focus on career communication skills, including crafting a resume and cover letter, honing interview skills, and effectively communicating in the workplace. Students will read and discuss technical manuals, analyze communication strengths and weaknesses, and engage in career exploration. This course is developed for the student whose career goals do not require a four-year college degree.
Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ALGEBRA 1A — Course Number 9647

This course is designed to promote independent thinking and learning. An emphasis is placed upon connections to other mathematical areas (geometry, probability, statistics, etc.) as well as other academic disciplines. The course will cover a variety of topics including expressions, solving equations and absolute values, basic linear functions, and graphing and writing equations. The topics taught in this course will be included on the Algebra 1 Keystone examination that will be completed at the conclusion of the Foundation Algebra 1B course. Eligible students receive instruction and practice in math skills as identified in their IEP.
Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS ALGEBRA 1B — Course Number 9651

This course is in continuation of the coursework taught in Foundation Algebra 1A. It is designed to promote independent thinking and learning. An emphasis is placed upon connections to other mathematical areas (geometry, probability, statistics, etc.) as well as other academic disciplines. The course will cover a variety of topics including linear inequalities, systems, polynomials, factoring, and statistics and probability. Eligible students receive instruction and practice in math skills as identified in their IEP.
Upon completion of this course, students will take the Keystone Algebra exam.
Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

FOUNDATIONS PRE-ALGEBRA — Course Number 9658

This course will focus on the skills necessary for future success in Algebra. It is designed for students who need an additional year of instruction to build mathematical concepts and skills. Basic equations and graphs, algebraic formulas, absolute values will be taught to solve mathematical problems. Practice will be used to solidify Algebraic foundational skills.
Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

LIFE SKILLS SUPPORT — Course Number 9700

Students with disabilities who need specially designed instruction may receive instruction in the Life Skills Support (LSS) environment as determined by their IEP team. Students are provided instruction in functional Reading and Written Expression, functional Math, Science, Transitional Skills and Daily Living Skills. In addition, each student receives transition services designed to prepare him/her for life after high school graduation. These services may include job training, community-based instruction, and collaboration with community agencies.

Prerequisite: Student must have an IEP (Individualized Education Plan) to enroll in this course.

TECHNOLOGY EDUCATION DEPARTMENT

The Technology and Engineering Department at Annville-Cleona Secondary School offers a variety of classes for students to gain 21st century skills in STEM (Science, Technology, Engineering, and Mathematics). The courses offer a multitude of opportunities for students to engage in hands-on, problem-based learning challenges through collaboration and application of knowledge.

Graduation Requirement – 0.5 Technology Education

TECHNOLOGY EDUCATION DEPARTMENT						
Technology Education Courses	**Grades**	**Required, Required Option, or Elective**	**Needed to Graduate**	**Weight**	**Credit**	**Prerequisite**
Architecture Design and Development	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Construction Technology	10, 11, 12	Elective	No	1.0	0.5	Yes
DIY: Agriculture and Technology	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Graphic Communications Technology	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Introduction to Agriculture Science	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Agriculture & Technology Metal Fabrication	10, 11, 12	Elective	Yes	1.0	0.5	No
Product Design	10, 11, 12	Elective	No	1.0	0.5	No
Robotics 1	9, 10, 11, 12	Elective	No	1.0	0.5	No
Robotics 2	10,11, 12	Elective	No	1.0	.5	No
Woods 1	9, 10, 11, 12	Required Option	Yes	1.0	0.5	No
Woods 2	10, 11, 12	Elective	No	1.0	0.5	Yes

ARCHITECTURE DESIGN AND DEVELOPMENT — Course Number 1375

This course provides students with an opportunity to develop skills in the preparation of architectural drawings using traditional technical drawing equipment, as well as computer aided design applications such as ArchiCAD and Revit. This course is an advanced level course for those students that are interested in a technology-based career path such as civil engineering, architecture, construction, construction supervision, and technical design.

CONSTRUCTION TECHNOLOGY — Course Number 1772

This semester course is an introduction to the basic materials, tools and methods used in the building and construction industry. Activities include working with household plumbing and wiring projects as well as constructing small buildings such as a utility shed, playhouse, and other experimental construction activities. Students must follow accepted safety practices and are expected to exhibit skills and craftsmanship in their work.
Prerequisite: Student must have successfully completed Woods 1 or DIY: Agriculture and Technology.

DIY: AGRICULTURE AND TECHNOLOGY — Course Number 1371

Dealing with real life situations and problems that will ultimately arise while maintaining a home is the emphasis of this course. It is designed to help all students better prepare themselves for everyday living in an apartment or a house. Students will learn basic residential wiring, how to use tools, and techniques for basic plumbing, drywall skills, and general home upkeep.

GRAPHIC COMMUNICATIONS TECHNOLOGY — Course Number 1779

In this course, students will develop the creative and technical skills to prepare and create graphic communication products using methods such as screen printing, vinyl cutting, and computer-aided graphic editing. Software such as Adobe Photoshop and Adobe Illustrator will be utilized to create designs. Students also explore a variety of careers in graphic communications.

INTRODUCTION TO AGRICULTURAL SCIENCE — Course Number 7720

This elective course is designed to give students an opportunity to learn about many areas of the agricultural industry including animal science, plant science, environmental science, woodworking, FFA, and Supervised Agricultural Experience (SAE). Students who enroll in this course are encouraged to participate in the numerous FFA leadership activities and are required to maintain an SAE record book. Throughout the course, students will develop an understanding and respect for the agricultural industry.
Note: This course meets the Tech Ed. graduation requirement.

AGRICULTURE AND TECHNOLOGY METAL FABRICATION — Course Number 1774

This hands-on course introduces students to metalworking with a focus on three primary welding processes. Students will gain practical experience while learning the fundamentals of tools, machines, and metallic material processing. Safety, troubleshooting, and problem-solving techniques are emphasized throughout. To build skills progressively, students will complete a series of mini-projects to practice

welding techniques before designing and fabricating a final project that showcases the processes learned in class.

PRODUCT DESIGN — Course Number 1777

Product design is a problem-solving based class where students will learn basic skills, design aesthetic and design elements. They will also explore principles of design, methods, various concepts of the design process and evaluation of designs. A research and development activity is required.
Prerequisite: Student must have successfully completed Woods 1 or DIY: Agriculture and Technology

ROBOTICS 1 — Course Number 1203

Robotics I provides a hands-on introduction to computational thinking, the engineering design process, and Python programming through the VEX V5 platform. The course begins with foundational skills in mechanical assembly and driver control. Students start by mastering controller integration and tactile sensors like the bumper switch before transitioning to precision coding in real-world simulations. The curriculum bridges the gap between science and technology as students explore the physics of velocity and momentum and advance into essential computer science structures, including loops and conditional logic for sensor-based decision-making. By manipulating the Claw and Arm through more real-world simulation challenges, students develop proficiency in both driver control navigation and algorithmic motor control navigation, establishing the technical and logical framework necessary for advanced robotics applications.

ROBOTICS 2 — Course Number 1204



Robotics II takes students beyond foundational building and basic remote control from Robotics I, shifting focus toward sophisticated autonomous programming, advanced sensor integration, and complex mechanical engineering. Utilizing the VEX V5 platform, students transition from manual logic to data-driven autonomy by mastering sensors including: Ultrasonic, Line Following, AI Vision, and more to complete high-stakes, real-world, and competition style challenges. Throughout the course, learners apply mathematical reasoning and proportional scaling to design precise navigation paths while simultaneously exploring the physics of mechanical advantage, torque, and gear ratios. This comprehensive curriculum culminates in an intensive, open-ended capstone project where students must synthesize their skills in algorithmic programming, computational thinking, the engineering design process, code review, and structural design to engineer a custom solution for a final, real-world robotics challenge.
Prerequisite: Student must have earned a C or higher in Robotics 1 or have a teacher recommendation.

WOODS 1 — Course Number 1780

This technology education course is designed to introduce students to the basic concepts in the woodworking industry. This includes the safe use of tools and power equipment, joinery, assembly, and finishing along with the study of the physical characteristics of wood and how they affect the final product. Students will produce an individual project using knowledge gained during the course.

WOODS 2 — Course Number 1781

This course is an extension of Woods 1 with a concentration on special methods of woodworking which includes door and drawer construction, compound sawing on the band saw, sharper use, dovetailing, and panel construction. Additional wood technology will also be covered. Students are required to make a project that incorporates a door and a drawer and additional computer-controller (CNC) router work. Students must follow accepted safety practices and are expected to exhibit skill and craftsmanship in their work. All projects must be approved by the teacher.
Prerequisite: Student must have earned a C or higher in Woods 1 or have a teacher recommendation.

Lebanon County
Career and Technology Center
PROGRAMS (2026-2027)

Selecting a career is one of the most important decisions a student can make. We encourage all students to consider programs offered at the Career and Technology Center (CTC).

For further information, check our website at www.lcctc.edu

Did you know . . .

- CTC students excel in a "learning by doing" environment which combines academics and lab work.
- CTC students earn college credits from colleges and technical schools by successfully completing CTC courses.
- CTC students receive scholarships from area businesses who recognize excellent craftsmanship and academic achievement.
- CTC students continue to participate in sports and extracurricular activities at their high schools.
- Please find attached opportunities through SOAR.
- Cooperative Education, Clinical Experience and Job Shadowing services expand the CTC curriculum by providing students with additional skills through supervised work experience at local businesses. In addition to the cooperative education program, job placement services are available to all graduates.
- The CTC provides counseling services to assist students with personal and social issues, decisions related to career choice, and decisions related to postsecondary opportunities and college credits.
- The CTC provides support to students who are disabled or disadvantaged. The support is designed to help each student successfully complete the program and secure employment or postsecondary education.
- The CTC takes every opportunity to recognize and reward students who strive for excellence. This recognition includes National Technical Honor Society, scholarships, student-of-the-month and year awards, outstanding achievement, perfect attendance, honor roll, certificates and extensive recognition for student organization achievements.
- Student participation in program-related organizations is strongly encouraged. They provide each student with opportunities to develop leadership skills, excel in technical skills, receive recognition for state and national competitions, and travel throughout the state and nation. The organizations include:

LCBA – Lebanon County Builders Association–Student Chapter
HOSA – Health Occupations Students of America
SkillsUSA – Vocational Industrial Clubs of America
National FFA Organization

Half-Day Two Year Programs (Juniors and Seniors) Nineteen CTC programs are offered for a half-day for two years. These programs are open to students beginning in the junior year.	
Auto Body Technology	Automotive Technology
Carpentry/Residential Construction	Diesel Truck Technology
Electrical Technology	Electromechanical Technology
Health Careers Technology	Landscape and Horticulture
Dental Assistant	Media Communication Technology
Law Enforcement and Security	Masonry
Medical Assistant	Computer Network Technology and Cybersecurity
Plumbing/Heating/Air Conditioning	Sports Therapy Sciences
Precision Machine Technology	Precision Machine Technology
Welding Technology	Health Careers Technology
Commercial Art and Design	

AUTO BODY TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

Auto Body Technology students learn entry-level processes to repair damaged vehicles to pre-accident/damaged conditions. These repair processes are taught in units over two years. The first year consists of smaller projects involving learning knowledge and skills for safety, detailing, welding and cutting, refinishing equipment, masking, surface prep, automotive finishes, paint materials mixing and application, vehicle construction, and estimating. The second year consists of larger projects and vehicles involving learning the knowledge and skills for plastic repair, panel replacement and alignment, trim and hardware R&I, glass and hardware R&I, structural component damage analysis (measuring) and repair, restraint systems, and Advanced Driver Assistance Systems (ADAS).

Career opportunities: Detailer, Estimator Assistant, Parts Manager, Refinishing/Painting/Prep Apprentice (Paint Tech Assistant), Damage Repair (Body Tech Assistant), Insurance Estimator/Appraiser, Office Manager, Floor Manager, Paint and Body Sales Representative.

Students also may earn **ICAR** and **OSHA** certifications before graduating high school. Students who meet the requirements may participate in our **Co-Op** program in their second year, working at an auto body employer, gaining more experience while being paid.

AUTOMOTIVE TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

Automotive Technology students diagnose, service, and repair late-model vehicles following the Automotive Service Excellence (ASE) national technician standards. Motivated students may obtain the PA Auto Safety Inspection Certification and PA Emission Inspection Certification and qualify to take the ASE tests after successfully completing the program. Utilizing state-of-the-art repair equipment students learn brake systems, suspension and steering, engine performance, automotive electronics, and HVAC. The Automotive Technology program is ASE Accredited. Technical career opportunities range from maintenance mechanic to automotive technician and may begin in high school with our Co-Op program providing job experience and a salary. Students who successfully complete the program may receive 16 college credits from HACC. In addition, students may also earn credits from the University of Northwestern Ohio, Automotive Training Center, and Northampton Community College.

CARPENTRY/RESIDENTIAL CONSTRUCTION

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

Carpentry students work on construction projects within the school and community. They learn skills including: transit and blueprint reading, selection of building materials and estimating, framing (floors, stairs, walls, and roofs), selection and installation of windows and doors, roofing, interior and exterior finishing, concrete finishing, and foundations. Career opportunities range from a siding installer to a finish carpenter and may begin in high school with a Co-Op position providing job experience and a salary. The 500 employers in the Lebanon County Builders Association sponsor this program, provide student scholarships, and employ graduates. Students who successfully complete the program may receive college credits from HACC, Penn College of Technology, and Thaddeus Stevens College of Technology.

COMMERCIAL ART AND DESIGN

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

Commercial Art students work with a variety of media to create logos, brochures, posters, advertisements, greeting cards and a variety of artwork for the school and the community. They participate in an end-of-the-year Art Show and Competitions to develop a portfolio emphasizing their creative talents and technical skills including becoming proficient in Adobe Design software: Photoshop, Illustrator, and InDesign. This “learning while doing” strategy brings reality to the course

topics, which includes typography, media techniques, color theory, graphic design, perspective drawing, elements and principles of design and computer applications. This full day, senior year course promotes creativity and expression through fine art, graphic design and photography. Career opportunities range from a production artist to a creative director. Adobe Certifications can be achieved through BrainBuffet and the Certiport Company. Graduates have been successful at four-year colleges and a number of students have won scholarships at two-year art schools. Students who successfully complete this program will have proficient knowledge and ability to further their graphic design career path in a post-secondary setting.

COMPUTER NETWORK TECHNOLOGY AND CYBERSECURITY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 Credits)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 Credits)

In today's high-tech environment, everything is networked!!! Following the CompTIA Network + Certification model, students learn the features and functions of networking components including how to install, configure and troubleshoot basic networking hardware, protocols and services. Completion of this course will prepare students for entry-level jobs in computer networking or give them a boost as they continue their education while pursuing a career as a network administration, network support technician, network administrator or network analyst. Fundamental topics to be covered include: The Foundations of Networking, the OSI/802 Model, Network Design, Network Cabling, Wireless Communication, TCP/IP, WAN Devices, Security Issues and Disaster Recovery Training. The goal is for students to seek Network+ certification after completion of the course. Students who successfully complete the program may receive up to four college credits awarded by accredited colleges or technical schools.

DENTAL ASSISTANT

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

The Dental Assistant program integrates lectures, demonstrations, and hands-on experiences to teach students a variety of dental-related subjects. The major areas of study include anatomy and physiology, chair-side dental assisting, radiology, dental materials, and microbiology/sterilization. During the program, students participate in clinical rotations in private dental offices, clinics, and hospitals. Experiences gained in the Dental Assistant Program prepares students to take the Radiation Health and Safety Certification Exam, the Infection Control Exam, have a steppingstone to college, and are prepared for a job after they graduate.

DIESEL TRUCK TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO)---------- (36 WEEKS, 3 CREDITS)

Diesel Truck Technology students restore late model over-the-road diesel truck-tractors to like new condition. Each year they refurbish or repair vehicles providing "hands-on" experience in diagnosing, servicing and repairing all major heavy truck systems. Students learn the importance of teamwork and qualify for the PA State Safety Inspection program. The major course topics include: Preventive Maintenance, Engine Systems Theory & Repair, Electrical Systems, and Brakes (air & hydraulic), Power Trains, Steering, Suspension and Drivelines. Career opportunities range from maintenance mechanic to fleet manager and may begin in high school with a Co-Op position providing job experience and a salary. Employers in the South-Central Motor Truck Association sponsor this program, provide student scholarships, and employ graduates. Students who successfully complete the program may receive college credits from the University of Northwestern Ohio (UNOH) and Automotive Training Center.

ELECTRICAL TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Electrical Technology students design and install the electrical systems in the school's construction projects and work on numerous projects within the community. They learn technical skills including AC/DC fundamentals, Ohm's Law, Kirchoff's Laws, residential, commercial and industrial wiring, transformers, conduit bending, troubleshooting, fire alarm systems and green technologies. Technical careers range from an electrician to a systems engineer and may begin in high school with a Co-Op position providing job experience and a salary. The 500 employers in the Lebanon County Builders Association sponsor this program, provide student scholarships and employ graduates.

ELECTROMECHANICAL TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

The Electromechanical Technology program is designed to provide students with the knowledge and skills necessary to apply current methods and technology to the development, design, operation, and management of electromechanical systems. Electromechanical covers multiple disciplines including Electrical, Electronics, Fluid Power (Hydraulics and Pneumatics), Mechanical Drives, Programmable Logic Controllers (PLC's), and Robotics. Students are trained in both the electrical and mechanical disciplines, and then exposed to a wide spectrum of instrumentation and industrial controls concepts. Students can use what they learn in Electromechanical Technology to pursue a career directly out of high school or continue their education into a degree program. The course is designed to give an introduction to engineering principles of electromechanical systems and disciplines. Some of the potential jobs include Electronics Technicians/Engineer, Electrician, Biomedical Technician/Engineer, Industrial Maintenance Technician, Mechanical Engineer, Programmer, and many more!

HEALTH CAREERS TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Health Careers Technology is designed for students seeking a career in the healthcare field specifically as a patient care technician certification/Nurse Aide. Students will learn to care for patients in varying healthcare settings, which is a requirement to take the patient care technician certification exam offered at the end of the senior year. Students will also obtain certification in Adult/Child/Infant CPR/AED/First Aid through the American Red Cross. Curriculum includes patient safety, professionalism of the health care provider, legal and ethical issues, communication skills, infection control practices, emergency care and disaster preparedness, human needs and development, health care provider skills, nutrition, caring for the patient at death, medical terminology, anatomy and physiology and exploring medical language.

Students have an opportunity to obtain 3 college credits through participation in the college in the high school program offered through HACC.

LANDSCAPE AND HORTICULTURE TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 Credits)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 Credits)

In the Landscape and Horticulture program, students learn how to use horticultural tools and operate landscaping equipment such as push mowers and zero turns. Students will identify ornamental, medicinal, and crop producing plants, work with plants outdoors and participate in the greenhouse plant sale. Experience many career pathways in horticulture through field trips, hands on experiences, and academics. Students will be involved with the National FFA Organization and will have a chance to compete in horticultural competitions against local FFA chapters. Qualified students in Landscape Technology may also be chosen for the co-op program, an opportunity to work for area landscape contractors and earn while you learn. If you enjoy working outdoors with plants, learning about horticultural skills and maintaining landscapes, then the horticulture and landscape technology program will be a great fit and learning experience for you.

LAW ENFORCEMENT AND SECURITY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 Credits)
(HALF-DAY, 11:30 AM – 2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 Credits)

Law Enforcement and Security students develop investigation skills essential to careers in Criminal Justice (Police, Courts, and Corrections) and the ever-growing Private Security fields. They also have the opportunity to experience parts of the Criminal Justice System through job shadowing experiences in the real world. The program emphasizes curriculum that covers topics such as: criminal procedures, crime photography, criminal investigations, criminal law, Bill of Rights/US Constitution, vehicle law, private security, report writing, and first aid/CPR. Career opportunities range from private security to local, state, and federal officers and federal police officers. Students who successfully complete the Pennsylvania Department of Education approved program and the NOCTI exam (end of the year

assessment) on the criminal justice system may receive college credits from HACC and other area colleges.

MASONRY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Masonry students work on construction projects that include concrete block, brick and other similar materials. Most of the training is within the school; however, community service projects add additional learning opportunities. Students develop a highly skilled craft which includes the ability to lay a multitude of contemporary concrete building products as well as traditional brick. Additional topics include: blueprint reading, site layout, estimating, building codes, and the use of hand and power tools. Career opportunities range from a mason's helper to block layer, bricklayer, estimator, or construction supervisor and may begin in high school with a Co-Op position providing job experience and a salary. The 500 members in the Lebanon County Builders Association as well as the Pennsylvania Concrete Masonry Association sponsor this program, provide student scholarships and employ graduates. A student who successfully completes this program may earn three college credits from HACC.

MEDIA COMMUNICATIONS TECHNOLOGY

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Media Communications Technology introduces students to the art and science of developing effective presentations using technology. Through a mix of classroom instruction and hands-on experience, students will be well prepared for success in today's rapidly growing communication fields.

Students gain a working knowledge of hardware, software, and equipment necessary for delivering effective communication for business, education, and entertainment. Rigorous instruction motivates students to develop competency in the production process, photography, graphic design, television production, streaming video, and audio production, as well as electronic computer imaging, motion graphics, and animation using computer technology.

In addition, curriculum is implemented through individual and group collaborative processes along with real-world experiences. A variety of software applications are taught. Using this advanced digital technology, students apply their knowledge and skills to create professional media for broadcast, virtual instruction, corporate communications, web-based distribution, and entertainment.

This course provides comprehensive hands-on experience through instruction in presentation development, project management, budgeting, and social networking. This program will enhance computer literacy, build communication skills, and yield work samples for an impressive portfolio in preparation for college and employment.

MEDICAL ASSISTANT

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Medical assistants are professional, multi-skilled individuals who perform administrative and clinical duties in health care settings. The program includes studies in anatomy and physiology, health insurance coding and billing, medical terminology, medical law and ethics, pharmacology, clinical and administrative skills, phlebotomy, laboratory tests, and performing and interpreting electrocardiograms.

PLUMBING, HEATING, AIR CONDITIONING

(HALF-DAY, 8:00 AM – 10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Students interested in the plumbing profession can begin their training at the CTC in the Plumbing, Heating, and Air Conditioning program which is a Pennsylvania Builders Association accredited program and tailored after the Pennsylvania College of Technology's first year HVAC skills list .They will begin their technical training learning safe work practices, materials and tools used in the trade, and applied mathematical and scientific concepts needed to build a strong foundation for more advanced topics. Our students "learn by doing" by working on a variety of skills trainers and equipment designed to simulate actual field installations. Students also have the opportunity to earn industry recognized certifications such as the OSHA 10 construction safety certification and the EPA Section 608 Refrigerant Transition and Handling certification. Dual enrollment opportunities with Thaddeus Stevens College of Technology are also available while enrolled in the program.

Post-secondary opportunities exist for those completing the CTC Plumbing, Heating, and Air Conditioning program such as craft apprenticeships where students "earn while they learn" graduating debt-free from industry recognized programs. Associate and bachelor's degree programs are available for those choosing careers as sales engineers, designers, and similar professions requiring advanced degrees.

PRECISION MACHINE TECHNOLOGY

(HALF-DAY, 8:00 AM –10:25 AM – YEAR ONE) ---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Precision Machining Technology students manufacture precision parts in the school's NIMS (National Institute for Metalworking Skills) accredited training center. The curriculum provides in-school instruction on topics such as: Blueprint Reading, Measurements, Quality Control, Hand Tools, Manual Lathes, Manual Mills, CAD/CAM, and CNC (Computer Numerical Controlled) Machines. Students will

work hands on in the shop creating various parts and tools they are able to put in their own toolboxes. Career opportunities range from manual machine operator to tool and die maker, CNC operator to CNC programmer, mechanical engineer to quality engineer, even sales and service. Many students have the opportunity in high school to participate with a Co-Op experience providing real on the job experience and a salary. Students who successfully complete the program may earn their OSHA 10 certification, Pennsylvania's Pre-Apprenticeship Machinist Journeyman Certificate, and up-to 11 NIMS credentials, as well as the opportunity to earn advanced placement in Thaddeus Stevens College of Technology Computer Integrated Machining Program, reducing their time at Stevens from four semesters to only three.

SPORTS THERAPY SCIENCES

(HALF-DAY, 8:00 AM –10:25 AM – YEAR ONE)---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Sports Therapy Sciences students participate in theory and experiential learning to gain advanced knowledge of the systems of the human body, sports medicine techniques as well as health and wellness concepts. The students will engage in activities to identify, manage and treat sports related conditions and injuries. Students will also conduct pre-participation health and fitness assessments to design individual exercise programs. From these experiences, students are encouraged to continue their studies in fields such as athletic training, physical therapy, occupational therapy, exercise physiology, personal training and other medical and health and fitness related fields. The Sports Therapy Sciences curriculum includes: human anatomy and physiology, medical terminology, first aid and CPR, injury management and personal fitness training. At the conclusion of the program, the student will be eligible to take a national certification examination for personal training.

WELDING TECHNOLOGY

(HALF-DAY, 8:00 AM –10:25 AM – YEAR ONE)---------- (36 WEEKS, 3 CREDITS)
(HALF-DAY, 11:30 AM –2:00 PM – YEAR TWO) ---------- (36 WEEKS, 3 CREDITS)

Welding Technology students design, fabricate, and repair metal products in the school's shop facilities. They develop skills in testing procedures necessary to meet standards for welding certification and practice welding techniques according to the requirements of the American Welding Society. Utilizing state-of-the-art equipment, students learn shielded metal, gas metal, gas tungsten and flux core arc welding, blueprint reading, gas welding and brazing, oxy-fuel cutting, metal layout and fabrication, computerized numerical control cutting, plasma cutting of sheet and plate metals, and structural and robotic welding. Technical careers range from a metal fabricator to an underwater welder. These opportunities may begin in high school with a Co-Op position providing job experience and a salary. Students who successfully complete the program may receive six college credits from HACC or entry

level welder certification. The program is nationally recognized by the AWS (American Welding Society).

Full-Day Programs Two CTC programs are offered for a full day, 8:00 AM–2:00 PM. The programs are open to seniors.	
Culinary Arts	Pastry Arts

CULINARY ARTS

(FULL-DAY, 8:00 AM –2:00 PM) ---------- (36 WEEKS, 6 CREDITS)

Culinary Arts students operate a contemporary sixty-seat full-service restaurant located within the school. Student's plan, prepare, and serve a variety of traditional, ethnic, and contemporary menus as well as cater banquets, dinner meetings, and special events. Students develop artistic skills through ice carvings and special exhibits of pastillage, pumpkin carving, gingerbread, and tallow. Local, state, and national competitions enrich the curriculum which includes appetizers, soups and sauces, vegetables and salads, meat/poultry/seafood/shellfish, desserts, garnishing, catering, service, sanitation, and management. Career opportunities range from a prep cook to eventually an executive chef, and may begin in high school with a Co-Op or clinical positions providing job experience and a salary. Students who successfully complete the program may receive college credits from PA College of Technology, HACC, Johnson & Wales University, Pennsylvania Culinary Institute, WCCC, and The Restaurant School. The program is nationally recognized and accredited by the American Culinary Federation (ACF) and holds Exemplary Status from the ACF.

PASTRY ARTS

(FULL-DAY, 8:00 AM–2:00 PM)---------- (36 WEEKS, 6 CREDITS)

The Lebanon County Career & Technology Center Pastry Arts Program was the first nationally recognized and certified secondary program by the American Culinary Federation Education Foundation (ACF) in the country. Pastry Arts students produce and market high quality baked products for a contemporary sixty-seat restaurant within the school. They also market their products through their own pastry shop as well as supplying items for school banquets, dinner meetings, community service projects, and specialty events. Students develop artistic skills through the preparation of pastries, confections, and other specialty desserts. Students will create and present a professional portfolio and restaurant programs as an end of the year assessment. Local, state and national competitions enrich the curriculum which includes: pastry bag skills, cornet skills, cake decorating and assembly, decorative pieces including a Gingerbread House and Pumpkin Carving competition, merchandising, record keeping, and sanitation. Career opportunities range from a baker's helper to a pastry chef and may begin

in high school with a Co-Op position providing job experience and a salary. Students who successfully complete the program may receive college credits from Johnson & Wales, West Moreland Community College, PA College of Technology, Harrisburg Area Community College, Art Institutes, and The Restaurant School at Walnut Hill College.

Half-Day Year One and Full-Day Year Two Program This program is offered for a half-day in year one and a full-day in year two. The program is open to students in the junior year.
Cosmetology

COSMETOLOGY

(HALF-DAY, 8:00 AM **-10:25** AM) ---------- **(36 WEEKS, 3 CREDITS)**
(FULL-DAY, 8:00 AM **–2:00 PM -YEAR *TWO)--** ---------- **(36 WEEKS, 6 CREDITS)**

Cosmetology students learn skills necessary to become a licensed professional in a salon. Major topics include hairstyling, haircutting, perming, chemical relaxing, hair coloring, manicuring, facials and makeup. Students learn the theory and procedures about these topics. When finished with the program and state mandated hours, students must take and pass a state board exam to receive a cosmetology license.

ADDITIONAL FULL-DAY SENIOR COURSES at LCCTC	
CTC English (1.0 credit) REQUIRED	CTC Trigonometry & Beginning Calculus (1.0 credit)*
CTC Precalculus (1.0 credit)*	CTC Calculus (1.0 credit)*
CTC Probability & Statistics (1.0 credit)*	CTC Algebra 2 (1. 0 credit)*
CTC Algebra 1 (1.0 credit)*	CTC Applied Math 1 (1.0 credit)*
CTC Geometry & Intermediate Algebra (1.0 credit)*	*Not NCAA approved courses

APPENDIX

The different career cluster tables below can help guide course selection and pathways during High School. Students take the ASVAB in 10th grade which provides additional career interest data for students that may be undecided. The ASVAB website has additional tools to help identify career interests.

Career Cluster	Careers	A-C Courses	CTC Programs	College Majors
Agriculture, Food, and Natural Resources	Environmental Scientist Animal Scientist Farmer Food Production Golf Course Greenskeeper Horticulturist (Greenhouse/ Nursery) Marine Biologist Veterinary Assistant	Animal Science FFA/Leadership Development Food Science Greenhouse Production & Management Science Introduction to Agricultural Science PA Wildlife, Aquatics, & Natural Resources Plant Science Animal and Plant Biotechnology Supervised Ag Experience (SAE)	Landscape and Horticulture Technology (junior/senior half-day)	Agriculture Science Agribusiness Environmental Science Animal Science Zoology Crop Science Marine Science Plant Pathology Horticulture Soil Science
Architecture and Construction	Architect Carpenter Electrician Heavy Equipment Operator HVAC Technician Landscape/Hardscape Worker Mason/Tile Specialist Plumber	Architecture Design & Development DIY – Agriculture and Technology Graphic Communications Technology Technical Math Woods 1, 2 English Essentials 1, 2	Carpentry/Residential Construction (junior/senior year half-day) Electrical Technology (junior/senior year half-day) Landscape and HorticulutureTechnology (junior/senior year half- day) Masonry (junior/senior year half-day) Plumbing/HVAC (junior/ senior year half-day)	Architecture Civil Engineering Construction Management Construction Trades (technical/trade college) Drafting/Design Interior Design
Art, A/V Technology and Communications	Actor Author Printing/Graphic Technologist Music Recording Technologist Audio/Video Engineer TV/Radio Broadcaster Journalist Video Producer	Survey of Art & Design Ceramics 1/CHS Digital Photography Digital Photography CHS Digital Art Drawing 1 Painting 1 Fine Arts Fusion Sculpture Creative Writing Journalism Introduction Journalism Yearbook Publication Journalism: Broadcasting 1, 2 Product Design Graphic Communications Technology Chorus/Choral/Madrigals High School Band History & Performance of American Popular Music History & Performance of Music Through the Ages Introduction to Theater	Commercial Art & Design (junior/senior year half-day) Media Communications Technology (junior/senior year half-day)	Art Art History Cinematography and Film Digital Communications Media Production Broadcast Technology Broadcast Journalism Creative Writing Graphic Design

		Music Theory 1, 2, 3		
Business Management and Administration	Service Manager Bookkeeper Human Resources Manager Financial Analyst Chief Executive Data Entry Secretary/Administrative Assistant File Clerk Entrepreneur Business Owner Purchasing Agent/Manager	Business Math Introduction to Business Personal Financial Literacy Accounting 1, 2 Ethical Leadership Entrepreneurship Public Speaking Business Calculus Marketing and Advertising FFA Leadership Development		Business Administration & Management Marketing International Business Human Resources Management Entrepreneurship Finance Accounting Labor & Industrial Relations Public Administration
Education and Training	Teacher (Elementary or Secondary) Principal School Counselor College Professor Corporate Trainer Coach	Introduction to Psychology CHS Spanish A.P. Language & Composition CHS A.P. Literature & Composition CHS English Composition 1, 2 CHS Journalism (communication skills) Sociology Public Speaking Internship British Literature CP American Literature CP		Early Childhood Education Secondary Education Child Development Speech Pathology Counseling Special Education Professor English as a Second Language Teacher
Finance	Accountant Banker Stockbroker Credit Analyst Insurance Agent Underwriter Actuary Tax Examiner Financial Planner Loan Officer	Business Math Introduction to Business Personal Financial Literacy Accounting 1, 2 Ethical Leadership Entrepreneurship Public Speaking Business Calculus		Accounting Finance Economics Business Entrepreneurship Actuarial Science Statistics
Government and Public Administration	Politician Legislator City Manager Policy/Budget Analyst Recreation/Parks Director State/Federal Agency Director Urban/Regional Planner	American History 2 CP Global Studies CP American Government CP Introduction to Psychology CHS U.S. History CHS Crime Scene Investigation Sociology Public Speaking	Law Enforcement (junior/senior year half-day)	International Relations Administration & Affairs Pre-Law Political Science Public Policy Analysis Urban Planning Park & Recreational Management
Health Science	Doctor/Physician/Surgeon Physician Assistant Nurse/Nursing Assistant Sonography Radiology Physical Therapist Athletic Trainer Exercise Physiologist Occupational Therapist/Assistant Medical Assistant	Biology B CP Honors Biology or CP Biology 2 A.P. Biology Physics CP Honors Chemistry or CP Honors Anatomy & Physiology Honors Genetics Principles of Biomedical Science DE Food Science Animal Science	Medical Assistant (junior/ senior year half-day) Health Careers Technology (junior/senior year half-day) Dental Assistant (junior/senior year half-day)	Pre-Medicine Biology Biochemistry Nursing Toxicology Sonography Medical Technology Physical Therapy Occupational Therapy Exercise Physiology

	Phlebotomist Medical Technologist Pharmacist/Technician Chiropractor Dentist Dental Hygienist/Assistant Orthodontist Veterinarian Vet Technician/Assistant Speech Therapist Speech Pathologist Optometrist	Topics in Science Precalculus CP Honors Precalculus Algebra 2 CP AP Statistics Health Precalculus	Sports Therapy Sciences (junior/senior year half-day)	Athletic Training Pre-Pharmacy Pre-Dental Health Administration Pre-Vet/Veterinary Science Optometry Mortuary Sciences Speech Pathology
Hospitality and Tourism	Travel Agent Restaurant Manager Chef/Baker Amusement Park Worker Hotel/Casino Employee Entertainer Restaurant Employee Tour Guide	Family Consumer Science Food Science Introduction to Journalism Business Math Psychology Marketing Intro to Business	Culinary Arts Pastry Arts	Hospitality Travel and Tourism Restaurant Manage.. Logistics Manage… Culinary Arts Pastry Arts Sociology
Human Services	Childcare Worker Psychologist Funeral Director Social Worker Mental Health Counselor Drug & Alcohol Counselor Elderly Care Special Needs Support Provider	Introduction to Psychology CHS Spanish 1 - 4 Journalism/Extra English Classes (Communication Skills) Sociology Public Speaking Internship	Cosmetology (junior year half-day + senior year full-day)	Childcare Early Childhood Education Psychology Sociology Gerontology Criminology Mortuary Science
Information Technology	Software Engineer Network Administrator Web Designer/Developer Database Manager Computer Programmer I.T. Technician	Introduction to Business Entrepreneurship Robotics 1, 2	Computer Network Technology and Cybersecurity (junior/ senior year half-day)	Computer Science Computer Systems Analysis Information Technology Software Engineering Web Development Digital Communications
Law, Public Safety, Corrections and Security	Paralegal Judge Lawyer/Attorney Police Officer Corrections Officer Security Officer Firefighter Paramedic	American History 2 Global Studies CP American Government Psychology CHS U.S. History CHS Crime Scene Investigation Sociology Public Speaking	Law Enforcement (junior/senior year half-day)	Criminology Criminal Justice/ Science Law Enforcement Legal Studies Government Pre-Law Fire Science
Manufacturing	Electromechanical Technician/ Engineer (Mechatronics) Machinist Welder Manufacturing Engineer Production Technician/ Engineer Quality Control Technician	Architecture Design & Development Woods 1, 2 Ag & Technology Metal Fab. DIY: Ag and Tech Graphic Communications Technology Design DE Manufacturing Technology Principles of Engineering DE Technical Math	Electromechanical Technology (junior/senior year half- day) Precision Machining (junior/senior year half- day) Welding (junior/senior year half-day)	Electromechanical Engineering Welding Engineering Chemical Engineering Logistics Management Electrical Engineering Mechanical Engineering Manufacturing Trades (Technical/Trade College)

Marketing	Advertising Agent Marketer/Promotions Cashier Sales Associate Market Research Analyst Real Estate Sales/Agent/Broker Public Relations Fundraiser Telemarketer Customer Service Representative	Business Math Introduction to Business Personal Financial Literacy Accounting Ethical Leadership Entrepreneurship Product Design Public Speaking		Marketing Advertising Public Relations Sales Management Entrepreneurship Communications Journalism
Science, Technology, Engineering and Mathematics	Scientist (Chemist, Biologist) Engineer (Chemical, Civil, Mechanical, Electrical, Aerospace) Mathematician Oceanographer	Architecture Design & Development A.P. Biology Honors Anatomy & Physiology Honors Genetics Principles of Biomedical DE Honors Biology or CP Honors Chemistry or CP Physics CP Honors Precalculus (minimum for many science majors) A.P. Calculus A/B (minimum for many engineering/ mathematics majors) Science DE courses Robotics 1,2	Electromechanical Technology (junior/senior year half-day)	Chemistry Biology Biochemistry Engineering Computer Science Mathematics Geosciences
Transportation, Distribution and Logistics	Pilot Flight Attendant Automotive Technician Auto Body/Collision Repair Technician Diesel Mechanic Truck Driver Warehouse Worker/Manager	Architecture Design & Development Woods 1,2 DIY – Ag and Tech Graphic Communications Technology Ag & Technology Metal Fab. Technical Math Ag Engines and Technology	Automotive Technology (junior/senior year half-day) Auto Body Technology (junior/senior year half-day) Diesel Truck Technology (junior/senior year half-day)	Aeronautics/Aviation Logistics Automotive Engineer Management Business Administration Operations Engineering Supply Chain Management Transportation Trades

Annville-Cleona High School Course Selection Guide – General

Students will select their courses digitally through PowerSchool. However, this document is to assist with discussions about future course selection.

Directions: Please make the appropriate selections and obtain the required signatures from your teachers. Refer to A-C's High School Curriculum Guide under Services and Departments/Academics/Curriculum at http://www.acschools.org for information regarding classes. Please select at least 7 credits on your schedule to be considered a full-time student. Also, select 4 alternative courses. You are not allowed to take a course more than once unless you have principal approval. Please be aware, you may not get the course you select due to scheduling conflicts/low enrollment for the course.

Prerequisites: *A prerequisite is a prior course or another requirement that must be completed to take a course. Any course with an asterisk after the course credit has a prerequisite requirement.* *

Required Courses and Credits to Graduate (24 credits):
4 English, 3 Math, 3 Social Studies, 3 Science, 0.5 Art, 0.5 Personal Financial Literacy, 0.5 Health, 0.5 FCS, 0.5 Music, 1 PE, and 0.5 Technology.

Graduation Requirement – 3 credits of Mathematics
Students planning to attend post-secondary education must take 4 credits of mathematics.

Course Name/Number	Credits	Current Teacher's Signature
English:		
Math:		
Science:		
Social Studies:		
*Elective 1:		
*Elective 2:		
*Elective 3:		
*Elective 4:		
*Elective 5:		
*Elective 6:		
Alternate Core 1:		
Alternate Core 2:		
Alternate Core 3:		
Alternate Core 4:		
Total Credits (must have at least (7)		

**In order of preference, 1 being the highest. Teacher signature is not required for electives.*

*Parent Signature:*_____

Student Signature: _____
Students with an IEP – Case Manager Signature: _____