

Fairfield Area High School

Course Selection Booklet



2022-2023

Grades 9, 10, 11, 12

Graduation Years 2023, 2024, 2025, 2026

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Fairfield Area School District

Mr. Thomas Haupt, Superintendent

4840 Fairfield Road, Fairfield, PA

17320

(717) 642-8228 Fax (717) 642-2029

www.fairfieldpaschools.org

Spring 2022

Dear Parents, Guardians and Students of Fairfield Area High School,

The information contained in this booklet will be extremely valuable as you choose courses for the upcoming school year. I encourage you to familiarize yourself with this booklet to better understand the objectives and expectations of your selected courses. All students are encouraged to set attainable high school goals and keep them in mind as they select courses throughout their high school careers.

Your time at Fairfield Area High School will go very quickly. As you schedule your classes and look ahead to the upcoming school year, remember to apply yourself with a mature and positive attitude. Mature habits, such as good attendance, responsibility, attention to detail, and achieving goals are just as important here at Fairfield as they are in the world beyond high school. The habits you develop here that make you successful in your classes will be the same habits that make you successful in life.

I wish you well as you select your courses for the upcoming school year. We will work with you to help you make appropriate course selections.

If you have any concerns about the information presented in this course booklet, please contact either myself through the High School Office at 717-642-2004 or the High School Counselor by calling 717-642-2034.

Sincerely,

Mr. Brian McDowell
High School Principal

McDowellB@Fairfield.k12.pa.us

717-642-2004

Course Selection Booklet for the 2022 – 2023 School Year

Graduation classes 2023, 2024, 2025, and 2026

Purpose of this Booklet

The purpose of this booklet is to assist students & parents to choose the best possible courses for the upcoming school year as well as allow them to plan a course of action with the student's future career goals in mind. The High School Counselor welcomes the opportunity to meet with parents & students together to discuss course sequences & plan for the student's high school career.

High School Contact Information

If you have any questions concerning the information you find in this resource, please contact any of the following for help by calling the high school office at 717-642-2004 or the high school counseling office at 717-642-2034. The school's website is www.fairfieldpaschools.org.

High School Principal – Mr. Brian McDowell
High School Secretary – Mrs. Suzi Schlak
High School Counselor, grades 9 - 12 – Mrs. Kristina Harvey
District Cyber & Career Coordinator - Mrs. Kayla Martin
Counseling Secretary – Ms. Brenda Miller

Grade Level Required/Suggested Courses- Please see course descriptions for further information

The successful completion of 27 credits in the required areas, participating in the Algebra, Biology, & Literature Keystone Exams by the end of 11th grade and meeting Act 158 requirements are required to earn a diploma for years 2023, 2024, 2025 and 2026.

9th Grade Required Courses (credits):

English 9 (1)
Civics (1)
Intro to Science or Biology(1)
Alg. I (2) or Math (1)
Physical Education (.5)
Health 9 (.5)
Electives (2 or 3)

10th Grade Required Courses (credits):

English 10 (1)
American Cultures (1)
Biology or another Science(1)
Math (1)
Physical Education (.5)
Family Consumer Science (.5 or 1)
Electives (3)

11th Grade Required Courses (credits):

English 11 (1) or Honors (1)
World History (1), Psychology (1), or
Sociology (1)
Science (1)
Math (1)
Physical Education (.5)
Health 11 (.5)
Electives (3)

12th Grade Required Courses (credits):

English 12 (1) or AP Eng. Lit & Comp.
Econ/Problems of Democracy (1) **or**
AP US Gov't & Politics (1)
Science (1)
Math (1)
Physical Education (.5)
Personal Finance (.5)
Electives (3)

Required Credits for Graduation: Classes 2023, 2024, 2025, 2026

**In order to graduate, students must complete 27 credits
participate in Algebra, Biology, & Literature Keystone exams, and meet Act 158 criteria.**

A Graduation Credit Checklist is included in this booklet to help with course planning & selection.

English	4 credits (1 each year)
Science	4 credits
Math	4 credits (1 each year)
Social Studies	4 credits (1 each year)
Health (9 th & 11 th grades)	1 credit (2 x.5)
Physical Education	2 credits (4 x.5) (1 each year)
Personal Finance (10,11,12 th grade)	.5 credits
Family & Consumer Sciences	.5 credits
Electives	7 credits

Courses That Count for Math Credit

Algebra I (2 credits)	*Pre-Calculus	Business Math
Geometry	Accounting I	*Calculus
Algebra II	Accounting II	**AP Statistics

Students who have taken **Algebra and / or Geometry in Middle School** will receive 1 credit for each course toward their High School Math Credit Requirement. Grades from these courses will be displayed as “P” or “F” on the permanent transcripts and will not count toward students’ High School Grade Point Averages.

Courses That Count for Science Credit

Intro to Science	Biology	Chemistry	Wildlife Cons. Science
*Biology II	**Chemistry II	*Chemistry III	
*Human A & P	*Physics	Atmosphere and Oceanic	
Geology and Planetary	Animal Science	Aquaponics	
Ag Science I	Ag Science II		

Elective Course Sequences

Art: Intro. to Art must be passed with a C- or higher before the student may take any of the following art courses: Art in 3D, Art in 2D.

Materials Processing: Each course in the Materials Processing sequence must be completed with a C- or higher before the student may take the next course in the sequence. For example, Materials Processing I must be passed with a C- or higher before students take Materials Processing II.

Modern Languages: In order for a student to move on to the next level of either Spanish or German, the previous level must be passed with a C+ or higher. I.E.: Spanish I must be passed with a C+ or higher before a student may take Spanish II.

Fairfield Area High School Grading System

Grade point averages are reported on the student's permanent transcript. **It is extremely important that students take all of their coursework seriously beginning the first day of 9th grade & continuing through their high school career.** Beginning in 9th grade, a student's final averages for each class become part of his or her permanent transcript. A permanent transcript is a record of academic coursework, attendance, & standardized test scores that remain in a school's permanent files for 99 years. This is the record that is sent to colleges, universities, tech/trade/business schools, the military, & any employer that the student requests we release it to. Students must earn a minimum of 27 credits to graduate. Students remain in the year of graduation (YOG) class they begin with throughout all four years of high school.

	*1.1	**1.2		*1.1	**1.2		*1.1	**1.2
A+ = 98-100 (4.3333)	4.7666	5.1999	B- = 80-82 (2.6666)	2.9333	3.1999	D = 60-66 (1.0000)	1.1000	1.2000
A = 94-97 (4.0000)	4.4000	4.8000	C+ = 77-79 (2.3333)	2.5666	2.7999	F = 0-59 (0.0000)	0.0000	0.0000
A- = 90-93 (3.6666)	4.0332	4.3999	C = 73-76 (2.0000)	2.2000	2.4000			
B+ = 87-89 (3.3333)	3.6666	3.9999	C- = 70-72 (1.6666)	1.8333	1.9999	P = Pass		
B = 83-86 (3.0000)	3.3000	3.6000	D+ = 67-69 (1.3333)	1.4666	1.5999	F = Fail		

Weighted Grades & Specific Courses

Courses in the high school are given the weight of **1.0** except the following courses, which are given the weight of **1.10 or 1.2** in the calculation of the grade point average. All points are based on a 4.0 grade scale.

1.10 Classes	1.10 Classes cont.	1.20 Classes
*Honors English 11	*Physics	**AP English Lit & Comp
*Pre-calculus	*Chemistry III	**AP US Gov and Politics
*Calculus	*Sociology	**AP Statistics
*Biology II	*Psychology	**Chem II CHS
*WHK Internship	*Human A & P	**AP Art 2D, **AP Art 3D

These courses are weighted according to their degree of difficulty, rigor, & challenge & are noted throughout this booklet, on report cards, & transcripts with a (* or **). Students are encouraged to enroll in these classes & the added weight serves as a reward in their grade point average. The weight does not affect the current year and unweighted grade point average. This weighting affects the quarter and cumulative weighted career grade point average.

Honor Roll

Honor roll lists will be published at the close of each marking period. Each marking period will produce its own honor roll. The honor roll is not cumulative.

Distinguished Honor Roll = an A average, 3.84 quality point weighted average and above, no grade lower than a 1.51 (C-)

Honor Roll = a B average, 2.84 – 3.83 quality point weighted average, no grade lower than a 1.51 (C-).

Diplomas

A diploma from Fairfield Area High School will be awarded to students who successfully complete the required credits for graduation and have met the Act 158 requirements issued by PDE. Students must meet **all** requirements in order to participate in the graduation ceremony.

Fairfield Area High School Graduation Checklist
Graduating Classes of 2023, 2024, 2025, 2026

STUDENT NAME:		YEAR OF GRADUATION (YOG):	
CAREER GOAL:			
<u>GRADE 9</u>	<u>Passed</u>	<u>GRADE 10</u>	<u>Passed</u>
English 9		English 10	
Math: _____		Math: _____	
Intro to Science OR Biology		Biology (If taken in 9 th grade, take another Science)	
Civics		American Cultures	
9 th Grade PE		PE	
Health 9		FCS	
<u>GRADE 11</u>	<u>Passed</u>	<u>GRADE 12</u>	<u>Passed</u>
English 11 / Honors English 11		English 12 / AP Eng. Lit & Comp.	
Math: _____		Math: _____	
Science: _____		Science: _____	
World Hist., Psychology or Sociology		POD & Economics / AP G & P	
PE		PE	
Health 11		Personal Finance	
<u>Other Requirements</u>			
Keystone Exam Proficiency or Growth: Algebra _____ Biology _____ Literature _____			
Electives (7 credits)			

Suggested High School Course Sequence

Eight credits must be taken in 9th, 10th, & 11th grades.

At least two credits must be taken during 12th grade – one each semester.

9th Grade

English 9
Intro to Science
Algebra I
Civics
PE / Health 9

10th Grade

English 10
Biology
Geometry
American Cult.
PE / FCS

11th Grade

English 11
Chemistry
Algebra 2
World History
PE / Health 11

12th Grade

English 12
(Science)
Pre-Calc
POD & Econ
PE / Per. Fin.

Preparing For College

Students should seriously consider taking a math course ALL FOUR years (to the highest level they are able) & a science course ALL FOUR years (to the highest level they are able) of their high school career; **AT LEAST** two years of the same world language (German or Spanish) is recommended but not required. Excelling in English classes in 9th & 10th grade is beneficial for the student to be eligible for Honors English 11 & AP English Lit. & Comp. as an upperclassman; taking a wide variety of electives is recommended as well.. **Competitive colleges expect to see math & science EVERY YEAR, including the student's senior year as well as a full course load during the senior year. Colleges ask how many weighted courses are offered by the district and how many the individual student took advantage of in comparison to their peers that are also college bound.**

Financial Aid

Planning to pay for college should start in 9th grade. The High School Counseling page of the Fairfield Area School District website (www.fairfieldpaschools.org) has a section devoted to financial aid information. Within that section are links to safe scholarship searches, a listing of scholarship applications available in the High School Counseling Office, a manual explaining many of the details for completing the FAFSA (Free Application for Federal Student Aid) that is required in the student's senior year, & dates for upcoming financial aid workshop opportunities.

PSAT / SAT / ACT Standardized Testing Information

Most post-secondary institutions require that the student take either the **SAT or ACT** test. It is recommended that any student who may be considering going on to post-secondary schooling sign up & take the **PSAT** test in his or her 10th grade & 11th grade years. In the 10th grade year, the test is only for personal information & practice. In the 11th grade year, scores may be used to qualify students for National Merit Scholarships. The **PSAT** test is offered at the high school during the school day one Wednesday in October. **All 11th grade students take this assessment at no cost to the student.** There is a cost for 10th graders to take this test. It is recommended that students take the **SAT &/or the ACT** test at least twice, with the first time being SAT School Day or ACT District Testing day in March/April of their Junior year & the second time being by June of their Junior year. Fairfield offers SAT School Day and ACT District Testing once in the Fall and once in the Spring on campus during the traditional school day. Outside of SAT School Day, the SAT/ACT tests are only offered at nationally predetermined times set by the two testing companies. The deadlines to register are firm. For more information about registering or testing, please go to: www.collegeboard.com (SAT) & www.actstudent.org (ACT) or see the High School Counselor for more information.

Armed Services Vocational Aptitude Battery (ASVAB)

The Armed Services Vocational Aptitude Battery (ASVAB) is a career assessment that reports a student's ability in the areas of general science, arithmetic reasoning, work knowledge, paragraph comprehension, mathematics knowledge, electronics information, auto/shop information, & mechanical comprehension. Scores from the assessment are then used in conjunction with an interest inventory developed by Dr. John Holland to help students better determine the relationship between their strengths, abilities, & interests & possible career choices. This assessment is also used by the military recruiters to determine entrance into all branches of the armed services. This test is typically offered to students in grades 10 – 12 in first semester at the high school during the school day. **All 10th grade students will be taking this assessment as part of the high school's career curriculum.** This assessment can be used as an alternative assessment for Act 158 Graduation requirements. Students must earn a score of 31 or higher and still participate in Keystone testing. Students in grades 11 & 12 who are interested in taking it may sign up in the High School Counseling Office or take it at another time or location by contacting a local military recruiter. See the High School Counselor for recruiter contact information. ASVAB can also help students meet the Act 158 graduation requirement as an alternative testing pathway.

College-Bound Student Athletes - Eligibility for College Athletes

For more information about college level courses & what would work best for you, make an appointment to see the High School Counselor. The National Collegiate Athletic Association (NCAA) governs many college athletic programs in determining eligibility, recruiting & financial aid. The NCAA has three divisions--I, II, & III. Colleges are members of one division according to the size & scope of their athletic programs & whether they provide athletic scholarships. Division I & II athletics require certification by the NCAA Clearinghouse, which ensures consistent interpretation of NCAA requirements for student athletes. If you are considering playing for a Division I or Division II school, you must plan your high school career accordingly. The NCAA uses a maintained list of required core courses, your high school grade point average, & standardized (SAT or ACT) test scores to determine eligibility. **It is the student athlete's responsibility to ensure he/she meets the credit requirements for the NCAA. Students must register & pay the NCAA fee at the beginning of their junior year.** Only college prep courses are accepted as approved courses. Below is some basic information to assist those students who are planning to pursue athletics in college. Please carefully read the new rules regarding Division I athletes. Students should also go to **www.ncaa.clearinghouse.org** to register & for more information.

Division I - 16 Core - Course Rule

4 years of **English**
3 years of **Math** (Algebra I or higher)
2 years of **Science**
1 year of **additional** English, math or
natural/physical science
2 years of **Social Science**
4 years of **additional courses**

Division II - 16 Core - Course Rule

3 years of **English**
2 years of **Math** (Algebra I or higher)
2 years of **Science**
3 year of **additional** English, math or
natural/physical science
2 years of **Social Science**
4 years of **additional courses**

Fairfield Area High School's NCAA List of Approved Courses

English: Eng 9, Eng 10, Eng 11, Hon. Eng 11, Eng 12, AP Eng.

Social Science: Civics, Amer. Cultures, World History, Psychology, Sociology, Problems of Democracy/Economics, AP US Gov't

Math: Algebra I, Geometry, Algebra II, Pre-Calculus, Calculus, AP Statistics

Science: Biology, Biology II, Chemistry, Chemistry II, Organic Chem, Atmosphere & Oceanic, Geology & Planetary, Physics, Human Anatomy & Physiology

Additional Courses: Spanish I, II, III, IV, German I, II, III, IV

New Initial-Eligibility Standards for NCAA Division I College-Bound Student-Athletes

The initial-eligibility standards for NCAA Division I college-bound student-athletes are changing. College-bound student-athletes first entering a Division I college or university on or after August 1, 2015, will need to meet new

academic rules in order to receive athletics aid (scholarship), practice or compete during their first year. First, here are three terms you need to know:

Full Qualifier: A college-bound student-athlete may receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

Academic Redshirt: A college-bound student-athlete may receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete, the college-bound student-athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

Nonqualifier: A college-bound student-athlete cannot receive athletics aid (scholarship), cannot practice and cannot compete in the first year of enrollment.

Here are the new requirements (beginning August 1, 2015):

Full Qualifier must:

1. Complete 16 core courses (same distribution as in the past – see above);
 - **Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school. **These courses must be completed before the start of the senior year.**
 - **Seven of the 10 core courses must be English, math or science.
2. Have a minimum core-course GPA of 2.300;
 - **Grades earned in the 10 required courses required before the senior year are “locked in” for purposes of GPA calculation.
 - **A repeat of one of the “locked in” courses will not be used to improve the GPA if taken after the seventh semester begins.
3. Meet the competition sliding scale requirement of GPA and ACT/SAT score (this is a new scale with increased GPA/test score requirements); and
4. Graduate from high school.

Academic Redshirt must:

1. Complete 16 core courses (same distribution as in the past – see above);
2. Have a minimum core-course GPA of 2.000;
3. Meet the academic redshirt sliding scale requirement of GPA and ACT/SAT score; and
4. Graduate from high school. **Nonqualifier** is a college-bound student-athlete who fails to meet the standards for a qualifier or for an academic redshirt.

EXAMPLES:

Q: A college-bound student-athlete completes 15 core courses with a 2.500 core-course GPA and an 820 SAT score (critical reading and math). What is the college-bound student-athlete’s NCAA initial-eligibility status?

A: The college-bound student-athlete is a **nonqualifier** because only 15 core courses were completed, not the required 16 core courses.

Q: A college-bound student-athlete completes 16 core courses in the required framework with a 2.500 core-course GPA and a 68 sum ACT. What is the college-bound student-athlete’s initial-eligibility status?

A: The college-bound student-athlete is an **academic redshirt**. Under the new competition scale, a 68 sum ACT score requires a 2.950 core-course GPA.

Q: A college-bound student-athlete completes nine core courses prior to the seventh semester of high school. What is the college-bound student-athlete’s initial-eligibility status?

A: The college-bound student-athlete cannot be certified as a qualifier because only nine of the 10 required courses were completed before the seventh semester. He/she would be permitted to practice and receive aid (scholarship), provided he/she presents 16 core courses and meets the necessary core-course GPA and test-score

requirement at the time of graduation.

Career Development Program

The overall goals of this program are to make students aware of their personal characteristics such as interests, aptitudes, & skills to gain an understanding of the relationship between school performance & future choices. Students will also develop a positive attitude as well as an awareness of & respect for the world of education & work. Students will use the Smart Futures program in grades K-11 to help them become career ready. Additionally at the High School level, career related activities are embedded into the English curriculum.

Information Management Skills

This state-required course in continuing information management education is integrated into the 9th -12th grade required courses but has a separate written curriculum. The course is team-taught by the librarian & the subject teacher. Traditional print research as well as internet & database research skills are included.

Nondiscrimination Policy

It is the policy of the Fairfield Area School District not to discriminate on the basis of sex, creed, handicap, or race in its educational programs, activities, or employment policies as required by Title IX of the 1972 Educational Amendments & by Section 504 of the Rehabilitation Act of 1973. Inquiries regarding compliance with Title IX may be directed to the District Administration Office.

Special Education

The Special Education courses are derived from prepared courses in the regular education curriculum. The courses are modified & meet all the State Board requirements for planned curriculum as well as providing structure for students who need adaptations in the learning process through the use of various teaching strategies & interventions to enhance student success. Each student in the Special Education program has an Individualized Educational Program (I.E.P.), which is updated on an annual basis. Individual students' schedules, in terms of which major courses need to be taken in the Special Education classes, are based upon information in the I.E.P. The I.E.P. affords the students the opportunity to develop a strong foundation of everyday life skills. Students will be able to participate in various courses that meet their needs & that enable them to develop to their highest possible level of achievement.

Fairfield Area Cyber Education (FACE)

Fairfield Area Cyber Education (FACE) is available for all High School students in grades 9 through 12 and includes a variety of online educational opportunities for students such as full-time, hybrid, and single course learning. Each individual student's educational needs are considered when enrolling and scheduling students in online coursework, and parental approval is required for students to enroll in any online courses in FACE. Please direct questions concerning FACE options to Mrs. Kayla Martin, Fairfield Area School District Cyber Coordinator, at martink@fairfield.k12.pa.us.

Credit Recovery

At the high school level, students have two options for Credit Recovery. The first option is to retake the course in the physical school building. The second option is to enroll in a cyber Credit Recovery course through FACE and the PLATO platform. When assigning a student to a Credit Recovery course, the course itself becomes a deciding factor as not all courses are available online. We also consider each student's individual needs when making this decision to ensure they meet graduation requirement criteria.

Suggested Course Sequences for Exploration within Career Clusters

Program in General Agriculture

9 th grade:	Agricultural Science I
10 th grade:	Horticulture/Aquaponics
11 th grade:	Animal Science
12 th grade:	Agricultural Science II

Exploration in Materials Processing

9 th grade:	Materials Processing I
10 th grade:	Materials Processing II
11 th grade:	Materials Processing III
12 th grade:	Materials Processing IV

Exploration in Family & Cons. Sci.

9 th grade:	Basics in Food Prep. Child Care
10 th grade:	Healthy Food Choices Textiles and Apparel
11 th grade:	Food for Life FW&CL Skills
12 th grade:	Early Childhood Educ.

Exploration in Art

9 th grade:	Introduction to Art
10 th grade:	Art in 2D Photography
11 th grade:	Art in 3D
12 th grade:	AP Art 2D and/or AP Art 3D

All ACTI Students:

9 th grade:	Algebra I
10 th grade:	Geometry

Exploration in Allied Health

9 th grade:	Biology
10 th grade:	Chemistry
11 th grade:	Algebra II *Biology II/*Human A&P Allied Health I
12 th grade:	*Pre-Calculus *Chemistry II Allied Health II

Exploration in Law Enforcement / Police Science

11 th grade:	Algebra II Law Enf./Police Sci. I
12 th grade:	Law Enf./Police Sci. II

Exploration in Computer Networking and Telecommunications

9 th grade:	Evolution of Games
10 th grade:	GameMaker 1
11 th grade:	Computer Networking I GameMaker 2
12 th grade:	Computer Networking II

Exploration in Culinary Arts

9 th grade:	Basics in Food Prep. Healthy Food Choices
10 th grade:	Food for Life
11 th grade:	Culinary Arts I
12 th grade:	Culinary Arts II

Exploration in Building Trades

9 th grade:	MP I
10 th grade:	MP II
11 th grade:	Building Trades I
12 th grade:	Building Trades II

Exploration in Diesel Mechanics

9 th grade:	MP I
10 th grade:	MP II
11 th grade:	Diesel Mechanics I
12 th grade:	Diesel Mechanics II

Exploration in Early Learning

9 th grade:	Childcare
10 th grade:	Early Childhood Educ.
11 th grade:	Early Learning I
12 th grade:	Early Learning II

Career and Technical Education Programs

Fairfield Area High School offers one specialization program in General Agriculture. Students who sign-up & complete

the assigned list of courses are eligible to take the National Occupational Competency Testing Institute (NOCTI) exam in April of their senior year. Students who pass the test at the Competent or Advanced levels receive a certificate indicating their level of competency. The PA Skills Certificate, which is awarded at the Advanced level, is recognized by employers throughout the state & may be beneficial for students seeking employment at the entry level in various careers. This program also provides students with opportunities to receive college credit for the work completed while in high school through articulation agreements. Articulation agreements are contracts between the high school & a local post-secondary school. See the description below regarding the articulations currently in place.

Program in General Agriculture	
Required Courses	Possible Careers
<ul style="list-style-type: none"> ▪ Horticulture ▪ Aquaponics ▪ Animal Science ▪ Agricultural Science I ▪ Agricultural Science II ▪ Ag Leadership Lab ▪ Supervised Ag Experience ▪ Accounting I 	<ul style="list-style-type: none"> ✓ Farm Laborer ✓ Soil Survey Technician ✓ Golf Course Worker ✓ Greenhouse Worker ✓ Farm Market Employee

Career and Technical Education Admissions Policy

Fairfield Area High School's Career and Technical Education program enrollment is unlimited and open to all district students regardless of gender, creed, handicap, or race. During course selection, district personnel will assist students in choosing appropriate CTE courses and programs based on the student's personal interests and future career aspirations.

Articulation Agreement - Delaware Valley University

Program in General Agriculture – Delaware Valley University

Students who successfully complete this curriculum based on the guidelines below can receive college credit for the following courses: AE 1120 (3 credits) Sustainability: Saving the Earth & Feeding the People; OH 3147 (3 credits) Today's Sustainable Homestead; HT 1101 (2 credits) Exploring Horticulture, Science & the Environment; and AS 1000 (3 credits) Survey of Animal Agriculture. Guidelines for receiving credits are:

- Fairfield Area High School students must successfully complete the Agriculture curriculum with a "B" (3.0 GPA on a 4 point scale) average.
- Fairfield Area High School students must submit an official transcript to the Delaware Valley University Executive Director of Admission - Mr. Thomas Speakman. Mr Speakman can be contacted via email at thomas.speakman@delval.edu or phone at (215) 489-2211. The transcript must list the courses & grades received by the student.

Adams County Technical Institute

Allied Health – Christine Penton
Building Trades – David Snyder
Computer Networking – Stephen Kosman

Diesel Mechanics - James Penton
Early Learning - Erin Kehr
Criminal Justice - Donald Slimmer

Culinary Arts – Chef Jeremy Schaffner

Adams County Technical Institute (ACTI) is a two-year Career and Technical Education (CTE) school which is open to students from Bermudian Springs, Fairfield, Gettysburg, Littlestown and New Oxford high schools. Students who attend ACTI gain in-depth knowledge in a specific career area. They learn the theoretical foundations of the career field and apply that knowledge through hands-on experiences. After graduation, an ACTI student has multiple options. If a student chooses to enter the workforce, they are well prepared to begin their career in an entry-level position. If a student chooses to continue their education, they have a solid foundation and understanding as they enter a post-secondary program. Information on articulated college credit available in our programs can be found at www.collegetransfer.net.

Every year in December/January, ACTI staff visit participating high schools and meet with 10th grade students. At this time, applications are given to interested students. Students then apply to ACTI by **February 1st** of their 10th grade year to be accepted for fall of their Junior year. Students are admitted based on their application score (determined by ACTI) and school district guidelines. Completed applications should be turned in to the Fairfield High School Counseling Office by February 1st.

Students interested in any of these programs must carefully choose their credits in 9th & 10th grade in order to have credits available in their schedules to complete one of these 6 credit programs. A 12th grade student (Junior at the time of application) may apply to ACTI, but preference is given to students in 11th grade. ACTI classes are held on the Gettysburg Area High School campus. Admission to ACTI is competitive.

**Juniors attend ACTI from 7:30 am – 9:30 am and only have room in their schedule for 7.5, not 8 credits.
Seniors attend ACTI from 12:00 noon – 2:35 pm.**

Level I students (Juniors) must meet the ACTI bus at 7:00 a.m. at Fairfield High School each morning the Gettysburg Area School District is in session. There is no transportation provided from the student's home to the Fairfield High School for the purpose of meeting the ACTI bus. ALL 11th grade ACTI students are required to ride the bus. Students will return to Fairfield by bus at the end of block 2A and should report to their block 2B class upon arrival.

Level II students (Seniors) must provide their own transportation to go from Fairfield to Gettysburg. Level II students are in class at Fairfield during Blocks 1 and 2 & report to Gettysburg for Blocks 3 and 4. Block 2 ends at 10:47; students do not need to be at ACTI until 12pm. Students have from 10:47 until their arrival time at ACTI to eat lunch and travel. IL is not mandatory to these students; however, it is recommended that they do at least check in with their teachers prior to leaving on block 1 and 2 IL days.

Detailed information about Adams County Technical Institute programs can be found online at <https://www.acti-pa.org/>.

Advanced Placement Courses

Advanced Placement courses are audited by the College Board and conclude in the taking of the AP Exam. AP courses are more rigorous and demanding of students' time & studying than regular college preparatory courses. The College Board website states: "Greater course depth - Students have the opportunity to dig deeper into subjects that interest them, develop advanced research & communication skills, & learn to tap their creative, problem-solving, & analytical potential. Preparation for college-level work - AP courses give students access to rigorous college-level work. AP students build confidence and learn the essential time management and study skills needed for college and career success" (<https://apstudent.collegeboard.org/exploreap/for-parents> accessed April 1, 2014).

The AP Exam in each subject is given during a specific time frame as determined by the College Board in May of each school year. The exams are scored on a 1 to 5, with 1 being the lowest & 5 being the highest. Some colleges & universities will award either college credit or advanced standing for scores of 4 or 5, depending on the college or university. **Students should research which colleges will accept AP scores for credit or placement as each post-secondary institution has their own policies regarding AP scores.** Fairfield Area High School offers five Advanced Placement courses – English Literature & Composition, Statistics, U.S. Government & Politics and two AP Studio Art classes (AP Studio Art 2D & AP Studio Art 3D). It is highly recommended and expected that students take the AP test; however, it is not required. Financial assistance through College Board and the district is available for those students who qualify. Students who register for these courses and sign the contract are required to take these courses; they are not allowed to drop them once summer break has begun. **Dropping of an AP Course is ONLY permitted if a student has written documentation on their ACCEPTING institutions letterhead that states the institution has another recommendation (and lists the recommendation) for the student.**

College in the High School (CHS) Program

The College in the High School (CHS) program enables qualified high school students to enroll in college level courses here in the building during regular school hours. CHS students earn concurrent high school & college credit for the same course. Courses are taught by experienced high school instructors who are recommended for teaching excellence & qualify as adjunct professors with the participating post-secondary education institutions. Grades earned in these courses count toward a student's GPA and for honor roll. **Students enrolled in CHS courses will be responsible for paying the college or university's application fee & any other required fees directly to the college/university.**

Current CHS courses offered: Chemistry II (X400)

CHS Admission Guidelines - Students must meet or exceed the following criteria:

- ** Have a Career GPA of 3.0 on a 4.0 scale
- ** Scored appropriately on any placement testing required of the college or university
- ** Be recommended by either the High School Counselor or Principal

Dual Enrollment

Dual Enrollment is offered by several local post-secondary institutions such as community colleges. Many students utilize Senior Leave privilege to attend local institutions for Dual Enrollment purposes. Students in other grades may also attend Dual Enrollment institutions but must check with the institution regarding their policy for High School students. **The only students permitted to utilize time during the school day for Dual Enrollment classes are Seniors who have room for Senior Leave privilege in their schedule.** All other students must take the courses outside of the regularly scheduled school day. Many students choose to take dual enrollment courses at HACC due to convenience; however, students may attend other institutions for dual enrollment as well. Students may take college courses during each semester & receive credit for the same courses toward their graduation requirements. Students may choose courses in English, Government & Politics, Communication, Math, Biology, Philosophy, Theatre, Sociology, & others as determined by the dual enrollment institution. Fairfield students are enrolled in the same courses on campus as regular college students. Students are advised by a college/university advisor & may be required to complete placement testing prior to course enrollment. Students who enroll in Dual Enrollment will have to work closely with the HS Counselor to ensure courses meet graduation requirements & are scheduled appropriately for their needs. Students must supply their own transportation to & from the dual enrollment institution's campus. **All Dual Enrollment courses will be Pass/Fail and will NOT factor into the students GPA.** The cost for credits is set by the institution & is the responsibility of the student or student's family. It is highly recommended that students planning on transferring credits to a 4 year institution call the receiving institution's admissions department to discuss how dual enrollment courses will transfer to their institution as each receiving institution is different and may take the course as an elective or subject specific course.

Keystone Exams and Act 158

The Keystone Exams are end-of-course assessments designed to assess proficiency in specific subject areas as determined by the state. These exams are one component of Pennsylvania's new system of high school graduation requirements. In order to graduate, students in the class of 2023 & those following are required to participate in three Keystone Exams (Algebra I, Biology, & Literature) & meet the district's required graduation credits.

Act 158 of 2018 provides alternatives to Pennsylvania's statewide requirement of attaining proficiency on the three end-of-course Keystone Exams (Algebra I, Literature, and Biology) in order for a student to achieve statewide graduation requirements. Effective with the graduating class of 2023, students have the option to demonstrate postsecondary preparedness through one of four additional pathways that more fully illustrate college, career, and community readiness. Keystone Exams will continue as the statewide assessment Pennsylvania uses to comply with accountability requirements set forth in the federal Every Student Succeeds Act (ESSA). Although students will no longer be required to achieve proficiency on the Keystone Exams in order to meet statewide graduation requirements, **students must take the Keystone Exams for purposes of federal accountability**. Failure to do so will affect a Local Education Agency (LEA) and school's participation rate.

In accordance with Pennsylvania's Act 136 of 2020, beginning with the graduating class of 2023, students must meet statewide graduation requirements in one of five ways.

Option 1 - Keystone Proficiency Pathway: Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.

Option 2 - Keystone Composite Pathway: Earning a composite score of 4452 on the Algebra I, Literature, and Biology Keystone Exams (while achieving at least a proficient score on at least one of the three exams and no less than a basic score on the remaining two).

Option 3 - Alternate Assessment Pathway:

Successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and one of the following:

Attainment of an established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB);

Scholastic Aptitude Test (SAT): score 1010

PSAT: score of 970

ACT: score of 21

ASVAB: 31

Option 4 - Evidence Based Pathway: Successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and demonstration of three pieces of evidence consistent with the student's goals and career plans, including one of the following:

Attainment of an established score on a SAT subject test, an Advanced Placement Program Exam:

SAT Subject Test: score of 630

AP program exam: score of 3

Acceptance to an accredited nonprofit institution of higher education other than a 4-year institution and evidence of the ability to enroll in college-level coursework

Attainment of an industry-recognized credential; or

Successful completion of a concurrent enrollment or postsecondary course; and

Two additional pieces of evidence, including one or more of the options listed above, or: satisfactory completion of a service learning project; attainment of a score of proficient or advanced on a Keystone Exam; a letter guaranteeing full-time employment; a certificate of successful completion of an internship or cooperative education program; or satisfactory compliance with the NCAA's core courses for college-bound student athletes with a minimum grade point average (GPA) of 2.0.

Option 5 - CTE Pathway: For Career and Technical Education (CTE) Concentrators, successful completion of locally established grade-based requirements for academic content areas associated with each Keystone Exam on which the student did not achieve proficiency and attainment of an industry-based competency certification

related to the CTE Concentrator's program of study or demonstration of a high likelihood of success on an approved industry-based competency assessment or readiness for continued meaningful engagement in the CTE Concentrator's program of study. For further explanation of the CTE Pathway, please see PDE's Act 6 guidance.

List of Credit Courses

Appropriate grade level for taking each course is indicated in parentheses.

Course descriptions are listed in the pages that follow in alphabetical order by course name.

Weighted courses are indicated with a (*).

<u>Course</u>	<u>Credits</u>
Accounting I (10, 11, 12)	1
Accounting II ONLINE COURSE ONLY (11,12)	1
**Advanced Placement – English Literature & Composition (12)	1
**Advanced Placement – Statistics (10, 11, 12)	1
**Advanced Placement – US Government & Politics (11, 12)	1
**Advanced Placement – Studio Art 2D (10,11,12)	1
**Advanced Placement – Studio Art 3D (10,11,12)	1
Agricultural Leadership Lab (9, 10, 11, 12)	.2
Agriculture Science I (9, 10, 11, 12)	1
Agriculture Science II (10, 11, 12)	1
Algebra I (9)	2
Algebra II (10, 11, 12)	1
Allied Health (Level I - gr.11, Level II- gr.12)	6
American Cultures (10)	1
Animal Science (9,10, 11, 12)	1
Aquaponics (10,11,12)	1
Art in 3 D (9, 10, 11, 12)	1
Art in 2 D (9, 10, 11, 12)	1
Atmospheric & Oceanographic Sciences (10, 11, 12)	1
Basics in Food Preparation (9, 10, 11, 12)	.5
Biology (9, 10, 11, 12)	1
Biology Proficiency Dev. (10, 11)	.5
*Biology II (10, 11, 12)	1
Building Trades (Level I- gr.11, Level II- gr.12)	6
Business Math (10, 11, 12)	1

*Calculus (10, 11, 12)	1
Chemistry (10, 11, 12)	1
**Chemistry II (CHS) (11, 12)	1
Child Care (9, 10, 11, 12)	.5
Civics (9)	1
Textiles and Apparel (9, 10, 11, 12)	.5
Computer Networking & Telecommunications (Level I- gr. 11, Level II- gr. 12)	6
Concert Choir (9, 10, 11, 12)	<u>1</u>
Culinary Arts (Level I- gr.11, Level II- gr.12)	6
Diesel Mechanics (Level I- gr.11, Level II- gr.12)	6
Driver Education (10)	.5
Early Learning (Level I- gr.11, Level II- gr.12)	6
Early Childhood Education (10, 11, 12)	1
Economics & POD (12)	1
Emergency Medical Technician (EMT) (11,12)	2
English 9 (9)	1
English 10 (10)	1
English 11 (11)	1
*English 11 Honors (11)	1
English 12 (12)	1
Evolution of Games (9,10,11,12)	1
Family, Work, and Community Leadership (9,10,11,12)	.5
Food for Life (9, 10, 11, 12)	.5
GameMaker Programming 1 (9, 10,11,12)	1
GameMaker Programming 2 (10,11,12)	1
Geologic & Planetary Sciences (10,11, 12)	1
Geometry (9, 10)	1
German I (9, 10, 11, 12)	1

German II (9, 10, 11, 12)	1
German III (10, 11, 12)	1
German IV (10, 11, 12)	1
HACC Course (12)	1
Health 9 (9)	.5
Health 11 (11)	.5
Healthy Food Choices (9, 10, 11, 12)	.5
Horticulture (10, 11, 12)	1
*Human Anatomy & Physiology (11, 12)	1
Instrumental Music (9, 10, 11, 12)	1
Instrumental Music Studio (9, 10, 11, 12)	.5
Intro. to Art (9, 10, 11, 12)	1
Intro. to Science (9)	1
Law Enforce. & Police Sci. (Level I- gr.11, Level II- gr.12)	6
Literature Proficiency Dev. (11)	.5
Marketing & Web Page Design (10,11,12)	1
Material Processing I (9, 10, 11, 12)	1
Material Processing II (10, 11, 12)	1
Material Processing III (11, 12)	1
Material Processing IV (12)	1
Math Proficiency Dev. (9, 10, 11)	.5
Music Technology (9, 10, 11, 12)	.5
Music Theory (9, 10, 11, 12)	.5
*Chemistry III: Organic Chemistry (11, 12)	1
Personal Finance (11, 12)	.5

Photography (9, 10, 11, 12)	1
Physical Ed. – Traditional (9, 10, 11, 12)	.5
Physical Ed. – Cardiovascular / Aerobic (9, 10, 11, 12)	.5
Physical Ed. – Team Sports (9, 10, 11, 12)	.5
Physical Ed. – Lifetime Activities (9, 10, 11, 12)	.5
Physical Ed. – Movement Activities (9, 10, 11, 12)	.5
Physical Ed. – Strength & Conditioning (9, 10, 11, 12)	.5
*Physics (11, 12)	1
Piano (10, 11, 12)	.5
*Precalculus (10, 11, 12)	1
*Psychology (11, 12)	1
Publications (9,10,11,12)	.5
Quad Graphics Internship	3
*Sociology (11, 12)	1
Spanish I (9, 10, 11, 12)	1
Spanish II (9, 10, 11, 12)	1
Spanish III (10, 11, 12)	1
Spanish IV(10, 11, 12)	1
Supervised Agricultural Experience (SAE) (9, 10, 11, 12)	.5
Theatre Arts (9, 10, 11, 12)	1
Voice Music Studio (9, 10 11, 12)	.5
Wildlife Conservation Science	1
WHK SIP at NCI (12)	4
World History (11)	1

Course Descriptions for the 2022 – 2023 School Year

Courses listed in Section 1 are courses that meet a graduation requirement. Courses listed in Section 2 are electives. Courses are listed in alphabetical order by subject and title. Appropriate grade level for taking each course is indicated in parentheses. Weighted courses are indicated with a (* or **).

SECTION 1 - Graduation Requirements

English

Advanced Placement (AP) English Literature & Composition - **E600
(12) 1 credit

Prerequisite: Completion of either English 11 Honors with a B or higher OR English 11 with an A- or higher. E600 may count for the senior year English course required for graduation. This fast-paced, college level course is designed for those students who are interested in challenging themselves and becoming more competitive at the college level. In this course, students will learn to analyze and interpret imaginative literature through the careful reading and critical analysis of representative works from various genres and periods. Students will also explore literary elements such as a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism and tone while developing writing skills that express ideas and analysis in expository, analytical, and argumentative essays. This class requires a large amount of reading and is very writing-intensive. **Students who enroll in E600 must complete a summer project by the due date assigned by the teacher and are expected to take the corresponding AP Exam in May at a cost of \$95 (subject to change). Students are not permitted to drop the course once the contract has been turned in. Students who do not turn in a contract by the contract due date will be dropped from the course.**

English 9 – **E100** (9) 1 credit

A thesis paper assignment is a requirement of this course. Ninth grade English focuses on an extensive study of various literary genres, both fiction & nonfiction. Students will read, analyze & discuss short stories, novels, poetry, & plays, including those of William Shakespeare. Along with the various works, they will learn & apply literary terms with an emphasis on plot & conflict. Students will participate in class discussions in order to practice expressing their own ideas verbally as well as accepting the ideas of others in group situations. In addition to tests & quizzes, literature units will be assessed through a variety of compositions, projects, & class activities. The course includes a review of basic grammar accomplished through mini-units & composition correction & feedback. Students will practice different types of writing including descriptive,

narrative, expository, informative & persuasive. The main writing assignment of the course is the thesis paper, which is written in APA format.

English 10 – **E200** (10) 1 credit

Students will be taking the Keystone Exam for English 10. Participation in the Keystone exam is a state mandated requirement. Students must achieve a score of proficient or advanced on the test. In the event the student does not achieve the minimum proficient score, the district will work with the student to meet Act 158 requirements for graduation starting with the class of 2023. **A thesis paper assignment is a requirement of this course.** Tenth grade English is an extension of ninth grade English & continues the in-depth study of various literary genres, both fiction & nonfiction. Students will read, analyze & discuss short stories, novels, poetry & plays, including those of William Shakespeare. Along with the various works, they will learn & apply literary terms with an emphasis on plot, theme, characters & characterization, point of view, theater terms, and figurative language. Students will participate in class discussions in order to practice expressing their own ideas verbally as well as accepting the ideas of others in group situations. In addition to tests & quizzes, literature units will be assessed through a variety of compositions, projects, & class activities. The course includes a review of basic grammar accomplished through mini-units & composition correction & feedback. Students will practice different types of writing including descriptive, narrative, expository, informative & persuasive writing, as well as creative writing. The main writing assignment of the course is the thesis paper, which is written in APA format. This assignment is a research paper based on a thesis concerning a student-selected & teacher-approved topic. Students will participate in activities to continue career exploration as part of the district's career planning curriculum.

English 11 – **E300** (11) 1 credit

A thesis paper assignment is a requirement for this course. In eleventh grade, English students will read, analyze & discuss historical documents, short stories, novels, plays, & poetry as in past years. However, this course is a study of American literature, organized

chronologically. Although literary terms will be discussed & applied, special emphasis is placed on understanding how historical & social settings influenced the writing of each time period. Discussion of these works is intended to nurture understanding & appreciation of our nation's history and foundations, as well as provide an unbiased look at our literary & language traditions. Students will participate in class discussions in order to practice expressing their own ideas verbally as well as accepting the ideas of others in group situations. In addition to tests & quizzes, literature units will be assessed through a variety of compositions, response papers, projects, & class activities. Students will practice different types of writing including descriptive, narrative, expository, informative & persuasive; students will receive feedback to aid in their development of writing skills. The main writing assignment of the course is the thesis paper, which is centered on career exploration. In addition to the career paper, students will also engage in other activities and experiences as a part of career exploration.

*English 11 Honors – E301 (11) 1 credit
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In order to be eligible for this course, students must maintain an average of a B or higher during the previous year of English. In addition, eligible students will be required to complete a project related to a chosen novel during the summer prior to taking the course. A thesis paper assignment is a requirement for this course. Although this course covers basically the same authors & genres as English 11, it is designed for accelerated students who plan to attend a college or university. To meet the needs of & pose challenges for advanced students, this course includes additional texts & more in-depth discussion & investigation of the texts studied. Course work will be assessed through a variety of activities and assessments. This course will also deal with various types of writing, including the career thesis paper. In addition to the career paper, students will also engage in other activities and experiences as a part of career exploration.

English 12 Career – E400 (for students planning on entering the workforce after high school) (12) 1 credit
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In this course students will read, analyze, and discuss short stories, novels, plays, poetry, and non-fiction pieces from various times and cultures. Although literary terms will be discussed and applied, special emphasis is placed on understanding how historical and social settings influenced the works studied. Discussion of these literary works is intended to nurture understanding and appreciation of other cultures, as well as provide a platform for discussion of current social issues. Students will participate in class discussions in order to practice

expressing their own ideas verbally as well as accepting the ideas of others in group situations. Literature units will be assessed through a variety of quizzes, tests, compositions, projects, and class activities. The course includes a review of basic grammar accomplished through composition correction and feedback. Students will practice different types of writing including descriptive, narrative, expository, informative and persuasive. Several research-based papers will be written during the course of this class. **The reading selections and writing assignments for this class will be geared towards students who intend to enter the workforce or attend trade school following graduation.**

English 12 College– E500 (for students planning on college after high school) (12) 1 credit
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In this course students will read, analyze, and discuss short stories, novels, plays, poetry, and non-fiction pieces from various times and cultures. Although literary terms will be discussed and applied, special emphasis is placed on understanding how historical and social settings influenced the works studied. Discussion of these literary works is intended to nurture understanding and appreciation of other cultures, as well as provide a platform for discussion of current social issues. Students will participate in class discussions in order to practice expressing their own ideas verbally as well as accepting the ideas of others in group situations. Literature units will be assessed through a variety of quizzes, tests, compositions, projects, and class activities. The course includes a review of basic grammar accomplished through composition correction and feedback. Students will practice different types of writing including descriptive, narrative, expository, informative and persuasive. Several research-based papers will be written during the course of this class. **The reading selections and writing assignments for this class will be geared towards students who intend to enroll in college or university courses following graduation.**

Family Consumer Science

Basics in Food Preparation – C100 (9, 10, 11, 12) .5 credit

Experiences in this course will focus on food science, food preparation techniques, food preservation and food safety. Students will explore the function of ingredients and how a product changes when different amounts of ingredients are used. This course fulfills the required FCS graduation requirement.

Child Care – C105 (9, 10, 11, 12) .5 credit
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This course is designed to help students acquire knowledge & skills essential to the care & guidance of children (as a caregiver or a parent). Students will develop

good caregiver & parenting skills by studying the physical, social, intellectual, & emotional development of children from birth to school age. “Hands-on” experiences will come from being a “parent” (taking care of the Real Care Baby). By the end of the course students will be able to choose safe & age-appropriate toys, prevent injuries, guide children in learning & behavior, & know a variety of discipline techniques. This course fulfills the required FCS graduation requirement.

Textiles and Apparel – C102 (9, 10, 11, 12) .5 credit

Course Description: Explore careers in textiles and apparel. This course will introduce students to the textiles and apparel industry. Studying fibers and fabrics will help students make a proper fabric selection for garments. Students will explore the use of technology in the textile and apparel industries and design an accessory item. Students will learn to safely and accurately use a sewing machine, and other sewing equipment to construct projects.

Early Childhood Education – C305
(10, 11, 12) 1 credit

This course is designed to help students acquire knowledge & skills to prepare them to work in the field of early childhood education. Students will study the emotional, social, physical & intellectual development of the preschool child, & ways to combine learning through play. While setting up & running a preschool program, the students will apply the theories of growth & development. Students will design units & teach them to preschool children. This course fulfills the required FCS graduation requirement.

Family, Work, and Community Leadership – C405
(9,10,11,12) .5 credit

Develop your leadership skills now for a successful future. This course will prepare students for success in family, career, and community life. Students will gain leadership skills and make decisions that strengthen their family and community by participating in service learning projects of their choice. Students will investigate career goals and potential impacts on the family unit. Areas of study may include nutrition and wellness, career exploration, work attitudes and behavior, child development and care, and family responsibilities.

Food for Life – C201 (9, 10, 11, 12) .5 credit

Experience for this course will focus on the development of skills needed for meal planning. Students will learn how to plan, prepare, and serve dishes suitable for breakfast, lunch and dinner. Kitchen and food safety practices will be applied to the preparation of soups,

stews, stir-fries, casserole dishes and a variety of other food dishes. This course fulfills the required FCS graduation requirement.

Healthy Food Choices – C204
(9, 10, 11, 12) .5 credit

Experiences in this course will focus on the development of skills needed to select, prepare, & serve food that meet nutritional needs of individuals & families. Students will study the dietary guidelines, My Plate, special diets and other health issues. A variety of food dishes will be prepared when studying grains, dairy, meat, eggs & beans. This course fulfills the required FCS graduation requirement.

Health

Health 9 – L102 (9) .5 credit

All ninth graders are required to pass Health in the state of Pennsylvania. This course is designed to promote healthy behaviors & responsible decision-making skills. The course of study is a foundation for lifelong attitudes & behaviors. The curriculum includes Nutrition, Skeletal & Muscular Systems, HIV/AIDS, & Standard First Aid & CPR. Students will receive certification from the Red Cross in adult CPR upon successful completion of coursework. Overall, students are assessed by tests, projects, oral presentations, notebooks & skill tests.

Health 11 – L302 (11) .5 credit

Health is a required course in the state of Pennsylvania. Students must pass Health 11 in order to graduate. The goal of the course is to provide students with information that will enable them to make decisions that affect their health & well-being today & in the future. Materials covered include health information & media, health practices/products/services, stress management, conflict resolution, communicable disease, non-communicable disease, nervous system, cardiovascular system, endocrine system, lymphatic system, respiratory system, digestive system, alcohol, tobacco, drugs, health & the environment.

Math

Accounting I – B300 (11, 12) 1 credit

Prerequisite: Must have earned 2 high school math credits. Accounting I is an introductory course geared for students who plan on taking business or accounting courses in college, as well as those students who plan to enter the workforce upon graduation from high school. This course acquaints students with simple business records, which are necessary to chart a company's

business transactions. Automated Accounting is also introduced in this course. Students work with actual business papers & reports by keeping the records of small businesses. Business vocabulary is stressed in this course.

Accounting II/Computerized Accounting B405 (11, 12) 1 credit
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Prerequisite: Completion of Accounting I with a C- or higher. This is an advanced course geared for students who plan on taking business or accounting courses in college, as well as those students who plan to enter the workforce upon graduation from high school. This course will allow students to review concepts learned in Accounting I, & learn accounting theory in greater depth. Students will study partnerships, departmentalization, adjustments, control systems, corporation & cost accounting. During the second half of the course, students will learn to use the computerized accounting software, Automated Accounting, created for use with their textbooks. Computers will be used to generate general ledger, accounts receivable, accounts payable, payroll reports, & financial statements. Students will learn how business persons use these reports to make the decisions that keep their businesses profitable.

**Advanced Placement (AP) Statistics M600 (11, 12) 1 credit

Prerequisite: Completion of Pre-Calculus with a B- or higher. It is highly recommended that students have their own graphing calculator (TI83 Plus, TI84, or TI84 Plus). Since many colleges require their students to have & use graphing calculators our math program does a great deal of instruction on graphing usage. This course is designed for the students interested in becoming more competitive at the college level while practicing college level study habits. Students in this fast paced math course will learn about the major concepts & tools for collecting, analyzing, & drawing conclusions from data; develop analytical & critical thinking skills as they learn to describe data patterns & departures from patterns, plan & conduct studies, use probability & simulation to explore random phenomena, estimate population parameters, test hypotheses, & make statistical inferences. **Students who enroll in M600 must complete a summer project by the due date assigned by the teacher & are expected to take the corresponding AP Exam in May at a cost of \$95 (subject to change). Students are not permitted to drop the course once the contract has been turned in. Students who do not turn in a contract by the contract due date may be dropped from the course.**

Algebra I – M110 (9) 2 credits

It is recommended that students have a scientific calculator for this class. We use the TI 30 XIIS. This

full-year Algebra course includes: writing and solving equations (linear, multi-step, absolute value, literal, exponential, quadratic, radical, and systems of equations); solving inequalities (multi-step, compound, and absolute value); graphing linear and non-linear functions; slope; domain and range; x and y-intercepts; transformations of graphs; graphing inequalities (linear, 2 variable, and systems of inequalities); writing linear functions in slope-intercept and point-slope forms; function notation; scatter plots; writing equations to solve real world problems; sequences; properties of exponents; polynomials (add, subtract, multiply, and factoring; completing the square; quadratic formula; and data analysis. *Students will be taking the Keystone Exam for Algebra. Participation in the Keystone exam is a state mandated requirement. Students must achieve a score of proficient or advanced on the test. In the event the student does not achieve the minimum proficient score, the district will work with the student to meet Act 158 requirements for graduation starting with the class of 2023.*

Algebra II – M105 (10, 11, 12) 1 credit
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Prerequisite: Completion of Geometry with a C- or higher. It is highly recommended that students have their own graphing calculator (TI83 Plus, TI84 or TI 84 Plus). Since many colleges require their students to have & use graphing calculators our math program does a great deal of instruction on graphing calculator usage. The Algebra 2 course includes; properties of parent graphs, transformations; solving equations (linear systems, quadratic equations and inequalities, non-linear systems, polynomial equations, radical equations, exponential and logarithmic equations, and rational equations); complex numbers; completing the square; quadratic formula; polynomials and factoring; function operations and inverses; properties of logarithms; rational functions; sequences; and trigonometric functions.

Business Mathematics – B200 (11, 12) 1 credit

Prerequisite: Must have earned 2 high school math credits. This introductory course is designed to prepare students to be more informed shoppers, taxpayers, & valued employees. This includes a brief review of fundamental operations including fractions & problems of percentage. This comprehensive course includes personal & business-related math topics, which include: Gross & net pay, banking services, loans & credit cards, insurance, etc.

*Calculus – M400 (10, 11, 12) 1 credit

Prerequisite: Completion of Pre-Calculus with a C- or higher. It is highly recommended that students have their own graphing calculator (TI 83 Plus, TI 84 or TI 84 Plus). Since many colleges require their students to

have & use graphing calculators our math program does a great deal of instruction on graphing calculator usage. Calculus is the ideal culmination of academic studies in mathematics for the high school student. This course integrates all the topics that were studied in Algebra I & II, Geometry, & Pre-Calculus. An extensive study of Exploring Functions, Instantaneous Rates & Riemann Sums, Slope Functions & Curve Analysis, The Fundamental Theorem of Calculus, Optimization & Derivative Tools, Related Rates & Integration Tools, & Volumes of Revolution. Use of graphing/programmable calculators is extensive.

Geometry – **M201** (9, 10) 1 credit

Prerequisite: Completion of Algebra 1 with a D or higher. It is recommended that students have a scientific calculator. We use the TI 30 XIIS. Geometry is studied with an emphasis on reasoning and proof. Students learn about basic Geometry concepts such as points, lines, planes, segments, rays and angles. Congruence is introduced through the use of congruence transformations, and similarity through dilations. Later, students prove that triangles are congruent or similar to one another using theorems. Quadrilaterals and their properties are studied. Students learn right triangle trigonometry concepts such as the sine, cosine, and tangent ratios as well as the Law of Sines. Circles and circular arcs are studied as well as their properties. Finally, three-dimensional solids such as prisms, pyramids, cylinders, cones, and spheres are studied and the formulas are used to calculate their surface areas and volumes.

*Pre-calculus – **M302**
(10, 11, 12) 1 credit

Prerequisite: Completion of Algebra II with a C- or higher. It is highly recommended that students have their own graphing calculator (TI 83 Plus, TI 84 or TI 84 Plus). Since many colleges require their students to have & use graphing calculators our math program does a great deal of instruction on graphing calculator usage. Pre-Calculus includes: parent graphs and transformations; functions (notation, composite, and inverse); graphing and analyzing functions (quadratic, piecewise, rational, exponential, and logarithmic); finding real zeros, maximum and minimum; complex numbers; solving exponential and logarithmic equations; regression equations; radians; trigonometric functions (solving and graphing); inverse trigonometric functions; trigonometric identities; Law of Sines; Law of Cosines; Heron's Formula; sequences and series; Binomial Theorem, Pascal's Triangle, probability; area between curves and limits.

Personal Finance

Personal Finance – **B410** (10,11,12) .5 credit

This course is a graduation requirement and does not count as a math credit. This course is designed to help students prepare for life after high school. Students will learn basic skills to assist them in managing their money & living on a budget. Topics include goals, budgeting, housing & managing credit.

Physical Education

Physical Education: Cardiovascular/Aerobic – **L115**
(9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon developing an understanding of cardiovascular fitness. Students will enhance their knowledge of physical activity through participation in cross training, interval training, biking, & aerobics. Students are assessed according to attendance, participation, skill tests, personal cardiovascular fitness development, group fitness activities, & written exams.

Physical Education: Team Sports – **L120**
(9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon collaboration in team sports & activities. Students will enhance their ability to work in groups through activities that would include, but are not limited to; pickleball, badminton, speedball, floor hockey, basketball, team handball, volleyball, soccer, ultimate Frisbee, lacrosse, flag football, beach volleyball, softball, & field hockey. Students are assessed according to attendance, participation, skill tests, & written assessments of sport & activity concepts.

Physical Education: Lifetime Activities-
L125 (9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular

strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon developing an understanding of physical activity that can be sustained throughout a person's lifespan. Students will enhance their knowledge of physical activity through activities including, but not limited to; strength training, aerobic fitness, archery, table tennis, golf, recreational games, biking, softball, volleyball, & disc games. Students are assessed according to attendance, participation, skill tests, lifetime activity plan, & written exams.

Physical Education: Movement Activities – **L130**
(9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon developing knowledge of movement activities. Students will enhance their body control, balance & strength through activities that would include, but are not limited to; yoga, Pilates, ballroom dance (Waltz, Viennese waltz, Polka, Swing, Cha-Cha, Salsa, Tango and FoxTrot), line dance, ballet & martial arts. Students are assessed according to attendance, participation, skills tests, sit & reach fitness test & written assessments of movement activities.

Physical Education: Strength Conditioning
L135 (9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon developing an understanding of designing personal & group conditioning. Students will enhance their knowledge of physical activity through participation in strength training, aerobic & aerobic conditioning, designing personal fitness plans, & executing group fitness activities. Students are assessed according to attendance, participation, skill tests, personal fitness plan development, group fitness activities, & written exams.

Physical Education: Traditional – **L110**
(9,10, 11, 12) .5 credit

Students are required to pass 2 credits (.5 credits each year for 4 years) of physical education in order to graduate. All high school students in the state of Pennsylvania are required to participate in physical education. Regular physical activity improves muscular strength, improves physical endurance, helps to build & maintain healthy bones & muscles, controls weight, reduces anxiety & aids in stress management. In this course emphasis is placed upon enhancing an understanding of physical activity & the development & maintenance of a healthy body. Students will enhance their knowledge of physical activity through traditional team sports, individual & group activities, biking, movement patterns, cardiovascular fitness, & strength training. Students are assessed according to attendance, participation, physical fitness testing according to the President's Challenge Physical fitness testing & written assessments of sport & activity concepts.

Science

Agriculture Science I - **V101**
(9,10, 11, 12) 1 credit

You must enroll in Agriculture Science I or II to participate in FFA activities. Enrollment in Agriculture Science Leadership Lab is recommended to experience full benefit of applied lab activities. This introductory course will cover: identifying the components of the Ag-Ed program, ID agriculture careers, introduction to FFA, & the enhancement, awareness, appreciation, & conservation of our agricultural & natural resources. Areas of instruction include: forestry & plant science, AP bird life, orienteering, aquatic biology, & fish culture. Animal science topics from both a consumer & producer viewpoint include: pleasure horses, livestock literacy, poultry foods selection & evaluation. Content presentation will include classroom instruction, laboratory practicum, field trips, & community resources. Hands-on mechanics & career exploration will be part of appropriate units.

Agriculture Science II – **V203**
(10, 11, 12) 1 credit

Prerequisite: Completion of Agriculture Science I with a C- or higher. Activities in this course explore aquatic resources, energy conservation, & future food production techniques including tissue culture, hydroponics, & quality control. Interrelationships of living things & the environment will be explored through classroom discussions, field trips, & contests/practicums. Crop/Livestock management principles, animal systems, land-use & greenhouse management with accompanying careers will be part of the course content. Safety & mechanical skill development accompany appropriate

units.

Animal Science – X202

(9,10, 11, 12) 1 credit

Animal Science is designed for the student with an interest in animals or animal related careers. Topics include nutrition, animal feeding, genetics, animal breeding, small animal care & management, anatomy, & physiology, para veterinarian skills & aquaculture.

Aquaponics I – V300(10,11,12) 1 credit

The simplest definition of Aquaponics is that it is the marriage of aquaculture (raising fish) and hydroponics (the soil-less growing of plants) that grows fish and plants together in one integrated system. The fish waste provides an organic food source for the growing plants and the plants provide a natural filter for the water the fish live in. The third participants are the microbes and composting red worms that thrive in the growing media. They do the job of converting the ammonia from the fish waste first into nitrites, then into nitrates and the solids into vermicompost that are food for the plants. Students will be working with this system and producing and marketing produce to local entities including the school Cafeteria.

Prerequisite: Taken and successfully completed another Agricultural Education class with a C average or better.

Atmospheric & Oceanographic Sciences - X318 (11, 12) 1 credit

Prerequisite: Students must have taken Intro to Science and/or Biology. Students will study the processes that occur in our atmosphere and oceans. Emphasis will be on the processes and its impact on the weather. Additionally, we will study the structure of the oceans, ocean water, motion of the ocean and organisms that make up the ocean.

Biology - X100 (9 or 10) 1 credit

Students will be taking the Keystone Exam for Biology. Student success on the Keystone is a state mandated requirement for graduation beginning with the class of 2017. Course content is guided by State Standards.

Prerequisite: Completion of Introduction to Science OR a student must have met the following requirements:

- Proficient or higher on 8th grade PSSA Science
- Proficient or higher on 8th grade PSSA Math
- Proficient or higher on Algebra Keystone Exam
- Earned an A or B in 8th grade Science
- Earned a B or higher in Algebra

In this lab-based course, students will be exposed to the state standards that address many aspects of living things: their appearance, different types of life, where they live, how they live, & the scope of their similarities & differences. *Students will be taking the Keystone Exam for Biology. Participation in the Keystone exam is a state mandated requirement. Students must achieve a score of proficient or advanced on the test. In the event the student does not achieve the minimum proficient score, the district will work with the student to meet Act 158 requirements for graduation starting with the class of 2023.*

***Biology II – X305 (11, 12) 1 credit**

Prerequisite: Completion of Biology & Chemistry with a grade of C+ or higher. This course is lab-based and designed to prepare the student for the rigor of a freshman level college course. Heavy emphasis is placed on the topics of Biochemistry and Genetics. Laboratory experiences will guide students through experimental design, data collection, and statistical analysis of data. Considerable reading outside of the class is expected. Content includes an overview of the biochemical pathways of photosynthesis, cellular respiration, enzymes, genetics & the application of DNA technology. Biology II is an essential course for anyone pursuing a degree/career in any of the natural sciences, the biomedical field, or health & medicine.

Chemistry – X201 (10, 11, 12) 1 credit

Prerequisite: A grade of C+ or better in Biology. Students should have passed Algebra I. This introductory chemistry course will provide the student with useful problem-solving & laboratory skills applicable in many job opportunities & background knowledge & skills for a college level chemistry course. The course combines lab activities, performance-based projects, directed reading activities, & lecture to help the student learn & apply basic chemistry concepts such as the scientific approach to problem solving, quantum theory, nuclear theory, periodic law, chemical formulas, chemical reactions, thermochemistry, stoichiometry, gas laws, & acids & bases.

****Chemistry II – X400 (11, 12) 1 credit**

Prerequisite: Final Chemistry grade of C+ or higher.
***For those juniors & seniors taking advantage of the College in the High School credits, there is a significantly reduced cost for the three college credits. Total costs for students in 2020-2021 was \$225. This price is subject to change based on HACC's pricing schedule for the upcoming school year. Placement testing is required, and can be done from home. Students not enrolled in CHS may still enroll in this**

course. Only juniors & seniors are eligible for the college credit. This course offers one high school credit & three college credits* from Harrisburg Area Community College for those students enrolled in the CHS Program. The first marking period of the course will cover atomic structure, bonding, molecular structure, solutions, acids & bases, & stoichiometry in greater depth than first year chemistry. The second marking period of chemistry II will focus on specialized areas of chemistry such as electrochemistry, thermochemistry, nuclear chemistry, organic chemistry, & biochemistry. This course is designed for students interested in pursuing careers in science & technology, including any careers in the medical field. It is also set up to improve problem-solving & critical thinking in students whatever their academic or career goals may be.

***Chemistry III: Organic Chemistry – X450**
(11, 12) 1 credit

Prerequisites: A minimum grade of B- in Chemistry II AND a minimum grade of C in Algebra II. This course offers students the chance to study organic chemistry, an investigation into the composition, structure, & properties of carbon-based molecules. It deals with our fuels, modern synthetics, medicines, and most importantly, life itself. The first half of the course will focus on the nomenclature of basic carbon compounds, alcohols, aldehydes, ketones, & phenols. In addition, we will study biochemistry, looking in particular at carbohydrates, amino acids, proteins, & glycerides. During the second part of the class we will tie organic chemistry to advanced topics such as thermochemistry, electrochemistry, metallurgy, & nuclear chemistry.

Geologic & Planetary Sciences – X320
(11, 12) 1 credit

Prerequisite: Students must have taken Intro to Science and/or Biology. Students will study the geologic process that creates the surface features found on Earth, as well as the materials that created Earth. Additionally, students will look at the processes that created the planets, solar system & stars.

***Human Anatomy & Physiology – X306**
(11, 12) 1 credit

Prerequisite: Student must have passed Biology with a C+ or higher. A C+ in Chemistry is strongly recommended. This course is designed to prepare 11th & 12th grade students interested in pursuing careers in health, medicine, or forensic science. The objective of the course is to explore & investigate connections among the various systems, organs, & tissues of the human body. Anatomy & Physiology is a lab-based course that utilizes various hands-on experiences such as labs, computer simulations, projects, & multiple dissections

with an emphasis on forensic science applications. This is a rigorous course with a high level of expectation. Significant independent work is expected of the student in the form of out-of-class projects, reading assignments, etc. **Due to the nature of the content, a great deal of memorization is required.**

Introduction to Science -X090 (9) 1 credit

This is a preparatory course for 9th grade students in anticipation of taking biology in the following year. Topics covered in this course will be the scientific method, laboratory skills, chemistry, & ecology. This course is designed for students who have not yet taken Biology at the high school level & counts for a science credit.

***Physics – X300 (11, 12) 1 credit**

Prerequisite: Successfully completed Algebra II. It is recommended that the student has successfully completed or is enrolled in Pre-Calculus. The topics studied are: motion in a straight line; graphical analysis of motion; vectors; dynamics; Newton's laws of motion; momentum; force & motion in two dimensions; circular motion, law of gravitation; work; power; energy; simple machines; states of matter; heat; & thermal energy.

Wildlife Conservation Science - V301 (10,11,12) 1 credit

Students will develop skills, build an understanding of science and learn scientific techniques taught through the lens of conservation with an emphasis on hands-on, real-world activities. The curriculum focuses on wildlife conservation and the outdoor recreational activities that financially support the North American Model of Wildlife Conservation, such as hunting, fishing, trapping, conservation work, shooting sports and boating. Conservation Science gives students a foundational basis for how these activities directly benefit habitat acquisition, enhancement and protection, as well as wildlife management, including game, nongame and endangered species. Students are not required to participate in these activities, but rather the lessons related to these recreational activities.

Social Studies

****Advanced Placement (AP) US Government & Politics H600 (12) 1 credit**

Prerequisite: Completion of Psychology, Sociology, or World History with a B or higher. H600 may count for the senior year Social Studies course required for graduation. This course is designed for the students interested in becoming more competitive at the college level while practicing college level study habits. In this

fast-paced, college level course, students will study constitutional underpinnings, civil liberties & civil rights, political culture & socialization, citizen participation & influence, political institutions & policy making that are the foundation of modern U.S. government & politics as well as interpret classic & contemporary political writings & apply pertinent Supreme Court rulings to enduring social & political issues in this country. **Students who enroll in H600 must complete a summer project by the due date assigned by the teacher & are expected to take the corresponding AP Exam in May at a cost of \$95 (subject to change). Students and parents must sign a contract for this course. Students are not permitted to drop the course once the contract has been turned in. Students who do not turn in a contract by the contract due date may be dropped from the course.**

American Cultures - H200	(10)	1 credit
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A research paper is a requirement of this course. Focus is placed on the issues which have shaped the lives of all Americans & the nation from the post – Civil War industrial era to the present. Critical thinking, research, active citizenship participation, & current event topics are stressed to develop the student’s awareness of his/her place in our multicultural society. The diversity of our population & the vital part played by each group is emphasized as we develop & test generalizations about relevant social science concepts. Major themes studied may include: reconstruction, industrialization, the place of the West, immigration, farm changes & problems, expansionism, the world wars, the Great Depression, the Cold War, Civil Rights, & issues for today & tomorrow.

Civics – H100	(9)	1 credit
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A research paper or project is a requirement of this course. This is a survey course which examines what it means to be an American. Topics covered in the course include but are not limited to, foundations of citizenship, American values, creation of the American political & economic systems, the three branches of government, the American legal system, & how you as a citizen can make a difference.

Economics & POD – H405	(12)	1 credit
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A research paper & class presentation are required as part of this course. This two part course involves both the study of economics on two levels & how to be an active part in the democracy of our country. Economic literacy is a vital part of our democracy. On a macroeconomic level, the course involves the study of the economy in the areas of inflation, unemployment, the federal deficit & fiscal policy, & foreign trade & how these factors relate to our national economy. On the

microeconomic level, economics looks into classifications of business, budgeting & financial planning, & individual decision-making, the effects of supply & demand, & a comparison of economic systems. The second part of this course explores the study of our rights & responsibilities under a democracy. Students are expected to increase their awareness of current issues & develop the ability to express their own personal opinions & a tolerance for the opinions of others. Some of the themes studied include: political participation; minorities, poverty & dissent; the problems of family; & foreign affairs & national defense.

*Psychology – H303	(11, 12)	1 credit
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This course will include a number of components to help students arrive at the major objective—self-knowledge. These components will include: the history of psychology, principles of human development, personality & personality development, the scientific basis of psychology, memory & learning, & the psychological basis of hate & prejudice. This course is designed for not only college bound students but also for those who are preparing for people oriented careers & those who are interested in the subject matter. This course utilizes a college level textbook & will challenge students to think critically regarding controversial topics. A weekly paper will be assigned throughout the course. **Students may choose this course to satisfy their 11th grade social studies graduation requirement.**

*Sociology – H302	(11, 12)	1 credit
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The course includes: the individual’s place in society, social organizations, social institutions, & social change. It is a study of human relationships that can be applied to everyday living. This course utilizes a college level textbook and will challenge students to think critically regarding controversial topics. A weekly paper will be assigned throughout the course. **Students may choose this course to satisfy their 11th grade social studies graduation requirement.**

World History – H300	(11)	1 credit
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The completion of a research paper is a requirement of this course. World History is a survey course focusing on the people, places & events that shaped history from the time period of the Italian Renaissance to present day. Students will read primary sources, participate in group activities & complete short & long term projects. The course will be presented in chronological order as well as by major themes. **Students may choose this course to satisfy their 11th grade social studies graduation requirement.**

Section 2: Electives

Agriculture

Agriculture Leadership Lab – **V400**
(9, 10, 11, 12) .2 credit

Enrollment is recommended for all FFA officers & members interested in having a leadership role in FFA. Many of the activities/topics included in all Agricultural Education courses will be expanded upon in this course through Career Development Events/practicum participation. This course will meet at predetermined times throughout the year outside of the normal school day.

Horticulture – **V202** (10, 11, 12) 1 credit

This course will provide the student with an opportunity to explore basic soil & plant science, horticultural structures, integrated pest management, hydroponics, landscaping & turf grass. Individual greenhouse crops, annuals & perennials will be studied from planting to marketing. This course does NOT count as a science credit.

Supervised Agricultural Experience (SAE) – **V402**
(9, 10, 11, 12) .5 credit

FFA members need to enroll in this course. The purpose of this course is for the starting, maintaining, & completing an approved Supervised Agricultural Experience (SAE) project(s). This course will meet at predetermined times throughout the year outside of the normal school day.

Art

Introduction to Art – **A204**
(9, 10, 11, 12) 1 credit

In this course students learn about perception, creative expression, historical & cultural heritage, response & evaluation & how the Elements of Art & Principles of Design are used in the creation of art. A variety of art forms, media, tools & processes will be explored. This class provides a solid foundation for the other art electives that are offered.

Art in Two Dimensions – **A200**
(9, 10, 11, 12) 1 credit

Prerequisite: Completion of Introduction to Art with a C- or higher. This class emphasizes the experiences of pure drawing, pure painting, and a combination of both and their usefulness across disciplines. Drawing is seen as a vehicle for thinking, seeing, & communicating. Formal elements of line, value, shape, texture, & space are used individually & in common. Includes drawing from direct observation and invented images. Through the use of thumbnail sketches, students analyze & improve

composition techniques & methods. A constant reference to historical & contemporary drawing practice from many traditions is consistently made. Painting explores the media of watercolor, acrylics, oils, & tempera. The student will learn about surfaces, tools, application techniques, artists, & how to interpret a variety of subject matter.

Art in Three Dimensions – **A250** (9, 10, 11, 12) 1 credit

Prerequisite: Completion of Introduction to Art with a C- or higher. This class will introduce the basic concepts of structure & forms. Students explore 3-D ideas. Emphasis on 3-D forms through visual organization & an analysis of design problems & their solutions. A variety of materials including but not limited to wire, wood, glass, stone, Styrofoam, cement, plaster, silicone, plastic, & clay will be used.

****AP Art in Two Dimensions - A201** (9,10,11,12) 1 credit

Hands-on class designed for the sophisticated art student who is seriously interested in developing skills through two-dimensional mediums such as graphic design, photography, collage, printmaking, and painting. Students will create a 2D portfolio consisting of 18-20 pieces of art that reflect their own ideas and skills.

Prerequisite: Intro to Art and Art in 2D with a grade of A- or higher.

****AP Art in Three Dimensions - A251** (9,10,11,12)

Hands-on class designed for the sophisticated art students who are seriously interested in developing skills through three-dimensional mediums such as sculpture, architectural models, ceramics, glass work and other principles of design. Students will create a 3D portfolio consisting of 18-20 pieces of art that reflect their own ideas and skills. **Prerequisite: Intro to Art and Art in 3D with a grade of A- or above.**

Photography – **A210**
(9, 10, 11, 12) 1 credit

Prerequisite: None. Photography can be an extremely expressive medium. This course will cover the basics of 35 MM black & white photography using the SLR (single lens reflex) camera and unite modern day digital photography. The class will begin with the history of photography, composition, camera mechanics, & darkroom procedures to include film developing & printing. Students will use the camera as a creative tool, interpreting subjects like motion, light, landscape, still life, detail, perspective, & viewpoint. Once the basics are accomplished we will explore the wealth of photographic

options & alternatives that can influence the final image through the use of the darkroom and digital software. Students will learn how to evaluate & critique their work, the work of others, & how to effectively present photographs by mounting & matting.

Business

Evolution of Games – B500 (9,10,11,12) 1 credit
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This course gives students a chance to explore ancient cultures and find out how their games were designed using available technology and resources. Students will prototype and play board and digital games, and they'll get hands-on experience creating their own original game.

GameMaker Programming I – B5050 (9,10,11,12) 1 credit

Prerequisite for GameMaker Programming 1: B or Higher in Evolution of Games. In GameMaker I students learn concepts taught in a college-level "Programming 101" course and work in teams to build two dimensional (2D) games. Using GameMaker Studio, they develop core computing knowledge that can be transferred to other programming languages like Python, Java, and C++. When finished, students will have games that can be played with friends and added to a digital portfolio.

GameMaker Programming II - B510 (10, 11, 12) 1 credit
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Prerequisite for GameMaker Programming 2: B+ or Higher in GameMaker Programming 1. In GameMaker II, students will build upon concepts learned in GameMaker I. Students will continue to learn concepts taught in a college-level "Programming 101" course and work in teams to build two dimensional (2D) games. Using GameMaker Studio, they develop core computing knowledge that can be transferred to other programming languages like Python, Java, and C++. When finished, students will have games that can be played with friends and added to a digital portfolio.

Marketing/Web Page Design - B515 (10,11,12) 1 credit

Product...Place...Price...Promotion...Did you know they affect your buying habits? This course covers the functions involved in the marketing of consumer goods to their users. Students will also learn how to create and maintain websites for various purposes. Students will learn and apply basic marketing skills and strategies through creating and maintaining a website for our district

Aquaponics department.

Materials Processing

Material Processing I – T102 (9, 10, 11, 12) 1 credit
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This is an introductory class for material processing. Student generated projects made of wood, wood products, or related materials will require the proper selection & safe use of hand tools & power tools. Student activities involve measurement & related math, safety, & proper work habits. Projects are designed to teach proper tool use. All students will participate in at least one project that will require a mass production & assembly line process. This course is oriented toward careers in cabinetry, carpentry &/or industry.

Material Processing II – T204 (10, 11, 12) 1 credit
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Prerequisite: Completion of Material Processing I with a C- or higher. This is a more advanced material processing class. Student generated projects made of wood, wood products, or related materials will require the proper selection & safe use of hand tools & power tools. Students will apply these techniques to the construction of jigs & fixtures, which will be used in the activities. Student activities will involve measurement & related math, safety, & proper work habits. Projects are designed to teach proper tool use. All students will participate in at least one mass production & assembly line process project. This course is oriented toward careers in cabinetry, carpentry &/or industry.

Material Processing III – T305 (11, 12) 1 credit

Prerequisite: Completion of Material Processing II with a C- or higher. The Material Processing III course is an advanced course for students who wish to independently increase their skill & understanding of advanced woodworking & metal working processes. Students will design & create their own project of choice in which multiple wood joints & difficulty of processes will be fundamental to the design. Students may make advanced projects such as Entertainment Centers, Gun Cabinets, Dining Tables, Coffee Table & End Tables, Dressers, Lounges, Garden Benches, etc.

Material Processing IV – T404 (12) 1 credit

Prerequisite: Completion of Material Processing III with a C- or higher. Material Processing IV is an extension of MPIII primarily directed towards practical problem solving experience, designing & making furniture. Students will design & create their own project

of choice in which multiple wood joints & difficulty of processes will be fundamental to the design. Students will continue to increase their skill & understanding of advanced woodworking & metal working processes.

Modern Languages

German I – F102 (9, 10, 11, 12) 1 credit

German I is the foundation of the German language. Students in German I will be introduced to essential communication skills, such as greetings and politeness used in the German language and the cultural environment. Pronunciation of letters and sounds will be practiced. In German I students learn communication skills with the family and friends vocabulary and learned grammatical skills will be practiced with letter writing. German students will write letters to students in Germany and receive an international pen pal.. Students will gain the necessary skills to obtain food and drinks in Germany. They will learn the components of the German currency and understand how to shop for food items. Recognizing and pronouncing terms pertaining to living quarters, apartments and houses in the German language will be taught. Students will learn the skills needed in order to understand a daily and weekly routine in Germany, which includes telling time and days of the week. The students will learn the expressions of leisure time in Germany. By the end of the course students will be able to write one paragraph in the German language. Each unit will include a project that will expand the learning of vocabulary and grammatical patterns. The recognition of grammatical patterns and rules such as forming plurals, is necessary for success in German I.

German II – F202 (9, 10, 11, 12) 1 credit

Prerequisite: Completion of German I with a C+ or higher. German II relies upon the foundation gained in German I. Students will be introduced to occupation and the workforce in Germany, including learning the months of the year. Students will learn essential vocabulary and sentence building on how to visit and live in a city in Germany. Students learn how to offer help to people in the form of everyday tasks. Human body parts and the body's health will be studied, including how to seek medical help while in Germany. Students will learn how to understand and give directions in German. Clothing in the German language will be taught, while imitating a shopping experience and other educational tools. Cultural components and festivals will be discussed with each chapter. Projects in German II also include mastery of famous German-born people and introducing oneself in the form of a speech/presentation. By the end of the course students will be able to write a couple of paragraphs in the German language. Grammatically, students will study the four varieties of dative,

nominative, accusative, and genitive, learning how to build sentences in those forms. The introduction to the past tense of verbs will be explained.

German III – F302 (10, 11, 12) 1 credit

Prerequisite: Completion of German II with a C+ or higher. German III students will build on the vocabulary from German I and II and further practice the use of proper grammar. The third year employs more synonyms of the vocabulary and also relies on the mastery of the accusative and dative case so that the student can now express more precisely and read more authentic texts. German III revisits the past tense and applies the past so that the students can write a sequence of events that happened. From there, students can now say what they did, and write where they were with correct prepositions, and how they feel about their experiences. Students learn to employ reflexive verbs and give opinions and regrets. Students will know how to express pain, offer help and give advice. By the end of the course students will be able to write several paragraphs in the German language. Projects in German III will focus and help to expand the proper use of grammar with verbal presentations and role playing in the form of a speech/presentation.

German IV – F402 (10, 11, 12) 1 credit

Prerequisite: Completion of German III with a C+ or higher. German IV will focus more on detailed grammar in the form of another past tense form, the genitive (possessive) case and adjective endings. The past tense mastery allows the German IV student to work better with authentic narratives. Students will read their first novel in German and discuss literary devices from a German perspective. A book talk (book review) will be part of the completion of the novel reading. The German IV student learns to make comparisons, use grammatically challenging adjectives, and give suggestions. They learn the history of Germany and its cities, and employ prepositions to describe cities and make suggestions on what one can do in the German city. Projects in German IV will focus real live experiences in Germany and will include proper use of grammar in the

Spanish I – F100 (9, 10, 11, 12) 1 credit

Any student who has not studied Spanish before should enroll in this program regardless of the year of graduation. The class will begin with the basics, such as greetings, the alphabet, numbers, telling time, & the calendar. Other topics of study will focus on students' interests, such as sports & hobbies, the home, family, & school. Students will study the differences & similarities of teens in Spanish-speaking cultures in comparison with their own social & cultural backgrounds. Students will work frequently in pairs & groups to enhance communication. Students will have opportunities to use technology &

audiovisual aids to hear native Spanish speakers as well as practice their own language skills.

Spanish II – F200 (9, 10, 11, 12) 1 credit

Prerequisite: Completion of Spanish I with a C+ or higher. The class will cover topics related to weather, clothing, shopping, & the community. Students will learn to discuss the past, present, & future using a wide variety of verbs. Projects include a fashion show & a shopping simulation. Students will continue to learn about traditions, customs, & celebrations of Spanish-speaking cultures. Both the students & the teacher will be expected to speak more & more Spanish during class time. Students will work frequently in pairs & groups to enhance communication. Students will have opportunities to use technology & audiovisual aids to hear native Spanish speakers as well as practice their own language skills.

Spanish III – F300 (10, 11, 12) 1 credit

Prerequisite: Completion of Spanish II with a C+ or higher. Topics include food, health issues, & the daily routine. Students will compare & contrast their own geography & culture with those of Spanish-speaking countries, & will view authentic materials from these countries. Projects include making traditional Spanish & Latin American dishes, & an in-depth presentation on a region of the Spanish-speaking world. Students must be willing to speak Spanish a majority of the time in order to be successful in the class. Students will work frequently in pairs & groups to enhance communication. Students will have opportunities to use technology & audiovisual aids to hear native Spanish speakers as well as practice their own language skills.

Spanish IV – F400 (10, 11, 12) 1 credit

Prerequisite: Completion of Spanish III with a C+ or higher. Topics for the course include travel & tourism, professions, & world events, & contemporary issues including life choices & future plans. Students will compare & contrast their choices with those of Spanish-speaking students, & will be able to state their opinions & defend them. Students will read authentic literary works from the Spanish-speaking world & will keep a written diary on various topics related to the course. Both the teacher & students will use Spanish during the entire class period. Students must be willing to do this in order to be successful in the class. Students will work frequently in pairs & groups to enhance communication. Students will have opportunities to use technology & audiovisual aids to hear native Spanish speakers as well as practice their own language skills.

Performance Arts

Concert Choir - I400 (9, 10, 11, 12) 1 credit

All students who sign up for concert choir will need to audition. Concert Choir is offered to students in grades nine through twelve who are interested in developing vocal skills. Membership in middle school chorus is not a prerequisite but is suggested. Achieving a passing grade & attending concerts are prerequisites for continued participation. Students will prepare various styles of choral literature. Ear training, vocal training, pitch retention, intonation, sight-singing, harmonization, blending techniques, range development, & part development (soprano, alto, tenor, bass) are all part of items studied. Concert choir will perform 4-8 concerts per year, robes will be provided. Students who participate in both Concert Choir & Instrumental Music will receive one credits. Recommended for students planning to major in Music Education/Performance (Vocal) in college.

Instrumental Music (Band) - I402
(9, 10, 11, 12) 1 credit

Instrumental Music is a performance elective for students interested in building advanced music performance skills, discovering music of various eras & styles, performing on stage in concert, & enhancing school & community activities with music. Previous music experience is not a prerequisite, but past membership in middle school ensembles is helpful. Annual school performance events include: holiday concert, spring concert, & Commencement Exercises. Activities may also include: adjudicated & contest performances; attendance at professional concert events; off-campus travel. Students enrolled in this course are eligible to join jazz ensemble &/or fall pep band &/or other extra-curricular ensembles (brass choir, saxophone quartet, etc.) that meet at special times through the year. Students in good standing may audition for District 7 band, honors band & participate in the annual Adams County Band Festival. Students who participate in both Concert Choir & Instrumental Music will receive one credit. Recommended for students planning to major/minor in Music Education/Performance (Instrumental) in college.

Music Technology - I204 (9,10,11,12) .5 credit

Music Technology is a course for students interested in the tools, knowledge, and practice of music production. Specifically students will learn about Digital Audio Workstations, music notation software, samplers, sequencers, and synthesizers, and other tools used by music producers. Students will also be exposed to the history of music production, film scores, and foley music. Previous or current membership in other music

courses/ensembles is not a prerequisite, but will be helpful.

Instrumental Music Studio - I205
(9,10,11,12) .5 credit

Instrumental Music Studio will focus on each student's individual skills on their instrument. Specifically they will focus on the foundation, technique, and musicality needed to perform at professional level. Alongside personal instrument study students will also learn music theory, proper practice techniques, and explore the quintessential repertoire of their instrument. Current membership in Concert Band is required. Highly recommended for students planning to major/minor in Music Education/Performance (Instrumental) in college.

Voice Music Studio - I206 (9,10,11,12) .5 credit

Voice Studio Class will develop their solo singing techniques in a variety of styles. If you love to learn how to sing or refine your skills this course is for you. Students will prepare and perform regularly for classmates. Students will study music of various styles, music theory, diction, vocal technique, and vocal anatomy in the preparation of their music. The culminating project for the course will be a performance. Students taking Voice Class are required to perform solo vocal music of varying styles, languages, and time periods. Highly recommended for students planning to major/minor in Music Education/Performance (Vocal) in college.

Music Theory - I207 (9,10,11,12) .5 credit

Music Theory is designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied in this course. Throughout the course students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation and ear training are also an integral part of the course and will be taught throughout the course. Individual creativity is nurtured through both rhythmic and melodic composition. This course is highly recommended for students in a musical ensemble. Although there is no prerequisite, it is suggested that a student have some musical knowledge and/or participate in an ensemble. Recommended for

students planning to major/minor in Music Education/Performance in college.

Piano – I203 (10, 11, 12) .5 credit

This course will be limited to twelve students. Any student who has not taken piano & wishes to learn how to play is encouraged to enroll in this course. The class begins with playing simple one-handed songs & moves at a somewhat accelerated pace to end the semester with playing with both hands at an informal performance. The study of Piano will explore note reading, rhythm, time signatures, scales, class is limited to 12 students.

Theatre Arts – E202 (9, 10, 11, 12) 1 credit

The Theatre Arts course combines a study of basic theory, history of theater, and classic works, with a variety of theatrical experiences. Students will read, view, and analyze several plays and musicals. Students will gain experience in improvisation, vocal skills, stage direction, costuming, scenery & makeup. As time permits, skills developed will be used to: write, design, create, & present an original script; act in scenes from well-known plays &/or original scripts; design costumes & makeup for various characters; build basic stage sets; evaluate live & videotaped performances; & participate in a group production for final grade. Students will achieve increased confidence in appearing in front of others. They will also gain an appreciation of & skill in the dynamics of working as a troupe.

Unclassified Elective Choices

Drivers Education

Driver Education – L202 (10) .5 credit

The Driver Education program at Fairfield consists of 30 hours of classroom instruction. Students are introduced to the motor vehicle & its systems, procedures for obtaining a permit & license, the responsibilities of driving, driving in different environments, & buying, maintaining, & insuring a car. The curriculum stresses the danger of driving while impaired, unsafe driving habits, & the importance of using seat belts. The program goal is to develop the interest, knowledge, skills & attitudes, which will enable the student to become a safe efficient driver. Successful completion of the program may result in an insurance discount from most companies.

EMT Certification Program P311 (11, 12) 2 credits

The EMT course is 220 hours of instruction that covers the following content in accordance with the National EMS Education Standards:

- Anatomy and physiology

- Assessment of injuries and illnesses (Medical and Trauma)
- Cardiopulmonary resuscitation (CPR) & Automated External Defibrillation (AED)
- Pediatric and geriatric emergencies
- Environmental emergencies
- Lifting, moving and transportation of patients
- Assisting patients with their own prescribed medications
- The overall roles and responsibilities of the EMT

This course will prepare student to take the National Registry of Emergency Medical Technician (NREMT) Certification Exam. In order to receive NREMT status, you must be 17 at the time of the end of the year testing. However, successful completion will still earn PA EMT certification. Students participating in the course **must** take the end of course Certification Exam. Students can earn up to 6 HACC credits - students should contact HACC regarding credits and how they are earned/applied.

Publications - A215 (9,10,11,12) .5/1 credit

Publications is a hands-on course where the students and the teacher work closely together to produce Fairfield Area High School's yearbook and newspaper. Students will learn journalism writing techniques as well as publication production as the yearbook and newspaper is designed and produced. **Students will be responsible for taking images outside of the designated class time, and when special events are taking place.** The course can be completed as a full year course (1 credit), or as a semester course (.5 credit). Students can take the course as many times as they like through high school. **Prerequisite: Photography with a grade of A- or higher, and English 9 with a C+ or higher.**

Werner H. Kirsten Internship

*WHK SIP at NCI – **P900** (12) 4 credits

Participation in the Werner H. Kirsten Student Internship Program at the National Cancer Institute located in Frederick Maryland is extremely competitive. Students must apply in the fall of their junior year through an online application process. Students are chosen for participation by professionals at the National Cancer Institute. Upon selection, student interns must attend safety training & orientation sessions in the late spring of their junior year, are expected to work eight 40 hour weeks during the summer months, & work 15 hours a week during the school year for their entire senior year. Students are given two blocks of time away from the school building to meet this requirement. **Transportation to & from the National Cancer**

Institute is the responsibility of the student or parents. *Grades are issued by the student intern's mentor on a quarterly basis & count toward grade point averages & honor roll status.* Students are expected to offer a presentation regarding the research they are working on to at least one science class in the high school.

Quad Graphics Internship **P901** (11, 12) 3 credits

Prerequisite: On track for graduation and continue to be on track for graduation. Successful completion of English 10 and Biology. By application only. For the 2021-2022 school year only one student will be accepted. Provides High School Juniors and Seniors the opportunity to gain real-life experience and universal skills via work shadowing, company education classes and career based training programs. Apprentices will job shadow in various departments with teams of subject matter experts so they can learn where their interests and skills may lie when they join the workforce in the future. Students will attend training sessions focused on safety and industry requirements, rotate through different departments focused on production and manufacturing, learn about tools, advanced equipment and machinery, learn to read and interpret technical drawings/work orders/job tickets, as well as learning the process of planning and effective communication and collaboration skills. Students must maintain academic and attendance requirements to participate in the program, as well as observe company rules and requirements. Juniors who apply will be in the program for 2 years and 900 hours. Seniors will be in the program for 1 year and 450 hours.

Section 3: Adams County Technical Institute (Application & Program Acceptance Required)

Allied Health

Allied Health I – **P304** (11) 2 credits

Prerequisite: Grade 11 or 12 (PDE CIP 51.9999 Health Professions and Related Clinical Sciences)

Exploring Medical Language

Medical Terminology is the study of frequently used medical terms, abbreviations, and symbols as found within their usual contexts. This course is approached through an integrative review of anatomy and physiology, common pathophysiological states, and related diagnostic tests and treatments (including an introduction to the metric system).

Anatomy and Physiology

This course focuses on the structure and function of the human body. Study includes body systems; what they are, what they do, and how they work together. Class

investigates common disease processes associated with each body system.

Harrisburg Area Community College (HACC) currently offers students the opportunity to register for the following course while participating in the Tech Prep program. Students must meet all HACC admission requirements.

BIO 105- Medical Terminology (3 credits)

Allied Health II - P400 (12) 4 credits

Prerequisite: Allied Health, Level I grade 75% or better (PDE CIP 51.9999 Health Professions and Related Clinical Sciences)

Allied Health Science Technology

This course builds on the Level I experience and offers an introduction to Allied Health Professions, placing emphasis on such topics as the evolution and current status of healthcare delivery, various career opportunities, interpersonal and therapeutic communications, legal and ethical issues, and safety. An orientation to basic skills that are essential to the clinical setting is reinforced through laboratory sessions. The course is designed to provide an overview of the healthcare environment through clinical shadowing as well as the core skills and knowledge needed to provide safe and effective delivery of healthcare.

Harrisburg Area Community College (HACC) currently offers students the opportunity to register for the following course while participating in the Tech Prep program. Students must meet all HACC admission requirements.

AH 140- Allied Health (3 credits)

Pennsylvania Department of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Building Trades

Building Trades / Construction I P307 (11) 2 credits
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Prerequisite: Grade 11 or 12

(PDE CIP 46.9999 Construction Trades)

Students are taught the principles and industry practices related to the residential construction industry. Students receive instruction on a safe tool operation, blueprint reading, masonry, framing, trim carpentry, electrical house wiring, interior and exterior wall finishing, plumbing, and heating and air conditioning.

Building Trades / Construction II P407 (12) 4 credits

Prerequisite: Grade of 75% or better in Building Trades I

(PDE CIP 46.9999 Construction Trades)

Building Trades II is the lab practicum component to the Building Trades curriculum. Students will be onsite at the school district’s designated work site practicing skills and techniques.

Pennsylvania Department of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

ComputerNetworking1– P310 (11) 2 credits

Prerequisite: Grade 11 or 12

(PDE CIP 11.0901 Computer Networking and Telecommunications)

This course is aligned with Cisco’s IT Essentials 6.0 curriculum. IT Essentials introduces students to the fundamentals of computer hardware and software, mobile devices, printers, security and networking concepts, and the responsibilities and soft skills required to become an IT professional. By the end of the course, students will be able to describe the internal components of a computer and assemble a computer system, install and understand operating systems on computers and mobile devices, connect to the internet and share resources in a networked environment, and troubleshoot using system tools, diagnostic software, and critical thinking skills. Computer Networking 1 prepares students for the CompTIA A+ certification exam. During the spring, students will explore cybersecurity essentials, and the first section of CCNA (Cisco Certified Network Associate) training – Intro to Networking.

Computer Networking II – P410 (12) 4 credits
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Prerequisite: Grade of 75% or better in Computer Networking I (PDE CIP 11.0901 Computer Networking and Telecommunications)

During Computer Networking 2, students will complete the first two portions of CCNA (Cisco Certified Network Associate) training – Intro to Networks and Routing and Switching Essentials. The first semester covers network architecture, structure and functions. It also introduces students to the principles and structures of IP addressing and the fundamentals of Ethernet concepts, media, and operations. By the end of CCNA 1, students will be able to explain network technologies, explain how devices access local and remote network resources, describe router hardware, explain how switching operates, design IP addressing schemes, configure initial network device settings, and configure monitoring tools. CCNA 2: Routing and Switching Essentials covers the architecture, components, and operations of routers and switches in a small network. Students will be able to implement

VLANs, static routing, DHCP, NAT, and ACLs.

This course prepares students for CompTIA Network+ certification and/or CCENT (Cisco Certified Entry Network Technician).

Pennsylvania Department of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Culinary Arts

Culinary Arts 1 – P302	(11)	2 credits
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Prerequisite: Grade 11 or 12

Students will be required to purchase some culinary supplies, i.e., cutlery, jackets, slacks.

(PDE CIP 12.0508 Institutional Food Workers)

Prepare for employment related to institutional, commercial, self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experiences related to planning, selecting, preparing and serving of quality food and food products as well as sanitation precautions. Theory components include exploring the history of the foodservice industry, culinary math, Food Safety and Sanitation, purchasing and receiving and Menu Design. Lab classes cover knife skills, product identification, stocks, soups, sauces, starches, vegetable cookery, protein cookery, cooking methods and introduction to baking.

Culinary Arts II – P402	(12)	4 credits
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Prerequisite: Culinary Arts Level I 75% or better. (PDE CIP 12.0508 Institutional Food Workers)

Students continue to develop skills needed to perform effectively in culinary arts and related occupations. Emphasis on the supervision and management of the food industry. Included; beverages and their impact on sales, banquet and buffet procedures, front of the house operations, table service, proper planning, bulk food production and execution of large scale restaurant functions, nutrition planning and receiving control, and menu design. Other areas of concentration are breakfast cookery, sandwiches and canapés, hors d’oeuvres, salads, garde manger, including pates, terrines, sausage making and curing meats. International and American Regional cuisine, ingredients, advanced baking, pastries and food presentation are included.

Pennsylvania Department of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Diesel Mechanics

Diesel Mechanics I – P308	(11)	2 credits
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Prerequisite: Grade 11 or 12

(CIP Code/Title: 47.0613 Medium/Heavy Vehicle and Truck Technology/Technician)

Program prepares individuals to apply technical knowledge and skills to repair and service diesel engines. Instruction is provided in diagnosis of malfunctions; disassembly of engines, fuel injection systems, oil and water pump, generators, auxiliary power units, controls and transmissions. Technical manuals, the state inspection code, testing and diagnostic equipment and various hand and power tools are included in the program.

Diesel Mechanics II – P408	(12)	4 credits
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Prerequisite: Grade 75% or better in Diesel Mechanics I (CIP Code/Title: 47.0613 Medium/Heavy Vehicle and Truck Technology/Technician)

Course expands on knowledge of technical manuals, state inspection code, testing, diagnostic equipment, various hand and power tools. Students have opportunity to shadow at facilities relevant to their career choice during the 3rd and 4th marking period.

Early Learning

Early Learning Level I – P309

(11)	2 credits
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Prerequisite: Grade 11 or 12 A physical and Mantoux TB test are required at the student’s expense. (PDE CIP 19.0708 Child Care and Support Services Management) Early Learning will prepare students with skills necessary for employment in any field involving children, including early childhood education, elementary education, pediatrics, and child care. Observations at local early learning facilities may be included throughout this course. Students will also receive training in Pediatric First Aid/CPR/AED.

Early Learning Level II – P409	(12)
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4 credits

Prerequisite: Grade 75% or better in Early Learning. (PDE CIP 19.0708 Child Care and Support Services Management)

Early Learning II students will have the opportunity to apply what they have learned in Early Learning I. Students will have the opportunity for field experience in various types of early learning settings, as well as our own student run preschool.

Pennsylvania Dept. of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Law Enforcement

Law Enforcement/Police Science I - P305	(11)
2 credits	

Prerequisite: Grade 11 or 12

(PDE CIP 43.0107 Criminal Justice/Police)

Course includes general introduction into the criminal justice system. Included is the history, function, and role of law enforcement, courts, and corrections in American society. Examine trends and issues in law enforcement including Constitutional rights and review court cases. Explore use of force, patrol procedures, criminal investigation techniques, and officer safety issues. Hands on activities in officer safety, defensive tactics, arrest procedures, report writing, public speaking, and the use of the Pa. Crimes Code and Vehicle Code.

Students can participate in the College in the High School program through HACC and obtain college credits in CJ101 Introduction to Criminal Justice if students meet HACC admission requirements.

Law Enforcement/Police Science II – P405	(12)	4
credits	4 credits	

Prerequisite: Grade 75% or better in Law

Enforcement I PDE CIP 43.0107 Criminal Justice/ Police) Course expands study of Police Operations, Criminal Law and Procedure, and Criminal Investigation. Emphasis is on the criminal justice system, criminal investigation, introduction to forensic science, crime scene investigation, DUI investigation, and First Aid/CPR Certifications available in Management of Aggressive Behavior, Personal Protection Police Baton Tactics, Oleoresin Capsicum Aerosol Training, Practical and Tactical Handcuffing, and Personal Protection Defense and Control Tactics.

Students can participate in the College in the High School program through HACC and obtain college credits in CJ 104 Police Operations and CJ212 Criminal Law and Procedure if they meet HACC admissions requirements.

Pennsylvania Dept. of Education “Programs of Study” articulations (9 credits) are available at various community colleges in Pennsylvania for those students who successfully complete this two year program.

Student Schedule Change Procedure

The selection of an appropriate schedule is an important consideration that deserves the careful attention of the students & their parents or guardians. Students in grades 9, 10, and 11 must select 8 credits. Seniors must select **at least 2 credits**. They should read the Course Selection Booklet, consider carefully the courses that are available, & review the high school graduation requirements when planning a schedule. The school does its best to schedule classes that are appropriate for each student, but may not always be able to honor every student’s course selection sheet fully. After the course selection sheets are returned to the Counseling Office, the following procedure will be used in consideration of requests for changes to students’ schedules:

- Students must submit a Schedule Change Request Form to the High School Counseling Office for **each course** they are requesting be changed.
- **Schedule changes will not be made for convenience purposes, or for a teacher change.**
- Schedule change requests will be considered only according to individual need.
- **Schedule changes may occur during the first three (3) days of a SEMESTER**

- **After completing three (3) days of a course, no schedule changes will be made.**

Students requesting to drop a class beyond the deadline are required to submit a letter to the High School Principal explaining the reason. The letter must be signed by the student and his or her parent / guardian. All extenuating circumstances will be subject to administrative review & decision. Students must stay in the class until an administrative decision has been made. If administrative permission is given for a change beyond the third day of classes a Withdrew-Passing (W-P) or Withdrew-Failing (W-F) grade will be recorded on the permanent record. W-F will affect Honor Roll for that marking period. A W-P or W-F will not affect grade point average.

Schedule Change Request Form (may be picked up in the HS Counseling Office)

This form must be completed **in full & turned in to the High School Counseling Office** by the **end of the second day of the new semester** to be taken into consideration.

Student's Name: _____ Year of Graduation: _____

I want to change: _____

Date of Request: _____ Reason for request: _____

Student Signature: _____

Parent / Guardian Signature: _____

NOTE: Please carefully consider this request as it may affect credits needed toward graduation, a student athlete's ability to participate in NCAA programs, or the student's ability to take advantage of future course selections. Schedule changes will NOT be made for the following reason: teacher change, lunch, time of day of Phys. Ed., convenience, friends, etc. Appropriate reasons for schedule changes are: need class/credits for graduation, student does not have required prerequisite class(es), class already taken for credit, or selection not appropriate for student's ability. The school does its best to schedule classes that are appropriate for each student, but may not always be able to honor every student's course selection sheet fully. Students are not permitted to have gaps in their schedule.

Seniors in the class of 2023, who are on track to graduate on time, are permitted to attend school for one block each day for their senior year. Students must be present for at least one block a day OR participate in Tech Prep OR have an online course through FASD. The purpose of this time away from school is to allow students who have demonstrated good goal setting to seek further opportunities to begin their career paths. These opportunities may come in the form of taking college classes at local colleges or universities, begin a training program, or work in a job that will lead to full time employment after graduation. In order for a student to be permitted to come in late or leave early, this form must be completed & on file in the Counseling Office. Students with Senior Leave Privilege should have transportation and should leave the building for Senior Leave unless they have requested permission to stay for educational purposes (library, tutor, studying). Students may not leave the building and then return. Students who are not complying with the privilege can have the privilege revoked. Students are encouraged to carry a challenging course load their Senior year if they are attending a college or trade program after graduation.

Blank forms are available in the High School Counseling Office.



Fairfield Area High School Senior Schedule Privilege Permission Form – 2022- 2023

It is understood that _____, a current senior planning to graduate in June of 2021, will be **USING SENIOR LEAVE** during the blocks indicated below.

Block	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1				

2				
3				
4				

The student plans to use the time not spent in school during the structured school day to _____

By signing below, the student's parent / guardian understands that the student will not be attending classes during blocks indicated above. Students who are scheduled to attend limited blocks but who are lacking in needed credits to graduate on time will have their schedules changed in order to meet the graduation goal. This agreement is designed to allow students time during the school day to follow their career goals in preparation for graduation. Fairfield Area School District recommends that students not taking advantage of additional coursework in the high school during the school day seek advanced learning from a local community college or begin career planning by seeking gainful and appropriate employment. Students are expected to personally sign in and sign out in the high school office each day, as is appropriate to their schedule.

Signed: _____ Date: _____
 (Student)

Signed: _____ Date: _____
 (Parent / Guardian)

Signed: _____ Date: _____
 (Principal or Counselor)

SAMPLE 2022-2023 FAHS Course Selection Sheet

Student's Name (Print) _____ Student ID: _____ YOG: _____

Student's Signature _____ Grade (2018-2019) 9 10 11 12

Student's Educational Goal: (circle one) HS Diploma Military Trade/Tech School College/University

Student's Goal / Intended Major: _____ Parent's Signature _____ Date: _____

Students in grades 9, 10, and 11 must select eight (8) credits. Seniors must select at least 3 credits. Please circle the course numbers you select. Students should refer to the required courses for each grade as listed in the course selection booklet in order to stay on track for graduation. *All courses are subject to availability and enrollment.*

Code	Course	Credits
A204	Introduction to Art	1
A250	Art in 3 Dimensions	1
A200	Art in 2 Dimensions	1
A210	Photography	1
A201	*AP Art in 2D	1
A251	*AP Art in 3D	1
A215	Publications	.5/1
B200	Business Math	1

B300	Accounting I	1
B410	Personal Finance (12)	.5
B500	Evolution of Games	1
B505	GameMaker 1	1
B510	GameMaker 2	1
B515	Marketing/Web Des	1
C100.	Basics in Food Prep	.5
C105	Child Care	.5
C102	Clothing Construction	.5

C201	Food for Life	.5
C204	Healthy Food Choices	.5
C305	Early Childhood Educ.	1
C405	Fam, Work & Com. L	.5
E100	English 9	1
E200	English 10	1
E202	Theater Arts	1
E300	English 11	1
E301	*English 11 Honors	1

E400	English 12 (career)	1
E500	English 12 (college)	1
E600	**AP Eng. Lit & Comp	1

F100	Spanish I	1
F102	German I	1
F200	Spanish II	1
F202	German II	1
F300	Spanish III	1
F302	German III	1
F400	Spanish IV	1
F402	German IV	1

H100	Civics (9)	1
H200	Amer. Cultures (10)	1
H301	World History (11)	1
H302	*Sociology	1
H303	*Psychology	1
H405	Econ & P.O.D. (12)	1
H600	**AP US Gov't & Pol.	1

I203	Piano	.5
I207	Music Theory	.5
I402	Instrumental Music	1
I400	Concert Choir	1

L102	Health 9	.5
L202	Drivers Education	.5
L302	Health 11	.5
L105	9 th Grade PE (9)	.5
L110	PE – Traditional	.5
L115	PE – Cardio/Aerobic	.5
L120	PE – Team Sports	.5
L125	PE – Lifetime Activity	.5
L130	PE – Movement	.5
L135	PE –Strength/Condition	.5

M103	Algebra I	2
M201	Geometry	1
M105	Algebra II	1
M302	*Pre-Calculus	1
M400	*Calculus	1
M600	**AP Statistics	1

V101	Ag. Science I	1
V202	Horticulture	1
V203	Ag. Science II	1
V300	Aquaponics I	1
V301	Wildlife Conservation Science	1
	Teacher Approval Req. Added to schedule/transcript upon completion at the end of the year	
V400	Ag. Leadership Lab	.2
V402	Super. Ag. Exp. (SAE)	.5

X100	Biology	1
X090	Intro. to Science (9)	1

X201	Chemistry	1
X202	Animal Science	1
X318	Atm. & Ocean Sci.	1
X320	Geol. & Planet. Sci.	1
X305	*Biology II	1
X306	*Human Ant & Phys	1
X300	*Physics	1
X400	**Chemistry II (CHS)	1
X450	*Chem III: Organic	1

T102	Materials Proc. I	1
T204	Materials Proc. II	1
T305	Materials Proc. III	1
T404	Materials Proc. IV	1

P750	HACC College Crs.	1
P700	HACC Intro to Business	2
P900	*WHK Internship	4
P901	Quad Graphics Intern.	3

	TECH PREP (11, 12)	
P304	Allied Health I	2
P400	Allied Health II	4
P307	Building Trades I	2
P407	Building Trades II	4
P310	Computer Network I	3
P308	Diesel Mechanics I	2
P408	Diesel Mechanics II	4
P309	Early Learning I	2
P409	Early Learning II	4
P302	Culinary Arts I	2
P402	Culinary Arts II	4
P305	Law Enf/Police Sci. I	2
P405	Law Enf/Police Sci. II	4

P311	EMT (Emergency Medical Technician)	2
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Total Credits Circled _____

(*) indicates weighted course

Articulation Program

If you are interested in completing the Articulation Program noted below, please circle. Students enrolled in the program have preferential scheduling for program courses. **GEN AG**
Program in General Agriculture

ALTERNATE COURSES

Write in the **COURSE NUMBER** – it must be **different** from ones already circled.

1. _____
2. _____
3. _____