



Boiling Springs High School
717-258-6484

INTRODUCTION TO EDUCATIONAL PLANNING

A MESSAGE FROM THE PRINCIPAL

Dear Student:

The Educational Planning Guide has been revised for the 2023-2024 school year and contains requirements for graduation as well as course descriptions. Students, parents, counselors, and teachers may exercise flexibility in the planning of courses and the semesters that the courses are taken. All required courses must be completed and prerequisites must be followed.

Take the time to meet with your school counselor and parents / guardians to discuss your course selections for the upcoming year(s). There are departmental video clips to assist you in better understanding the courses that we are potentially offering. Spend some time watching these videos as you prepare to select your courses for next school year.

In what direction do you see yourself heading following graduation? We offer a wide variety of courses at the high school that will direct you towards many different career paths and/or post-secondary education. If you are focused on a specific area of study, we will work with you to gain the most experience in that field. I encourage you to test your limits. Try a class or level outside of your comfort zone. You may find that you have what it takes! We offer internships to give you experience where your interests may lie in real world settings. There are increased opportunities to take dual enrollment classes each year through various colleges and universities.

As each year passes, more and more offerings and experiences become available. Work hard in your classes and take advantage of the many opportunities that we offer, such as internships, co-ops, dual enrollment classes, AP classes, and more. The high school is in the process of exploring career pathways with potential changes to the layout of credit requirements. This coupled with our ongoing curriculum rewrite will bring changes to the guide in the years to come.

Read through our educational planning guide and be aware of what we have to offer. If you need any assistance, do not hesitate to ask!

Sincerely,

Dr. Joel K. Hain
Principal

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DISTRICT GOALS

The South Middleton School District will provide a quality articulated (K-12) curriculum which will enable our students to attain the State Learner Standards and District Student Learning Standards.

South Middleton School District Comprehensive Plan Educational Goals:

1. **Communications (Reading, Writing, Speaking and Listening):** Each student shall become proficient in reading, speaking, understanding, interpreting, analyzing and synthesizing information.
2. **Mathematics:** Each student shall become proficient in the use of varied mathematical processes and applications to solve challenging problems and to create new ways of understanding information.
3. **Science and Technology:** Each student shall become proficient in applying the processes of analysis, synthesis and evaluation to the solution of challenging scientific problems and in the application and understanding of technology in society.
4. **Environment and Ecology:** Each student shall understand the environment and the student's ecological relationship with it in order to recognize the importance of the quality of life in a healthy and balanced environment.
5. **Social Studies:** Each student shall understand local, state, and United States history, geography, systems of government, and economics and their relationship to the history, geography, systems of government, and economics of other countries of the world. Additionally, each student shall acquire and have opportunities to practice, in the school and in the community, the skills necessary for active participation in civic life.
6. **Arts and Humanities:** Each student shall understand and appreciate the breadth of human accomplishment through the arts and humanities and shall have opportunities to practice creativity of thought and action and to demonstrate talent in the arts.
7. **Career Education and Work:** Each student shall explore varied career options and develop the skills and work habits needed to be a productive, contributing member of society and the understanding that lifelong learning is necessary to maintain those behaviors.
8. **Health and Physical Education:** Each student shall acquire and use the knowledge and skills necessary to promote individual and family health and wellness, including the prevention of alcohol, chemical, and tobacco abuse.
9. **Family and Consumer Science:** Each student shall understand and apply principles of resource management, consumer behavior, child health and childcare to provide for personal and family needs.
10. **World Languages:** Each student shall be given the opportunity to communicate in a language other than English, including the ability to understand and interpret written and spoken world languages.

SCHOOL COUNSELING SERVICES

The counseling office is always available to students and parents. All students will have the opportunity for individual appointments with their assigned counselor. During these sessions, students can see their permanent record, discuss future career and higher education plans, develop a course plan of study for high school and talk about any issues that may be of concern. The counseling office is open from 7:00 a.m. – 3:00 p.m. each school day for parents and students. Appointments may be scheduled during that time, and students may also stop in the counseling office anytime with questions or concerns.

The counselor's goal is to help students maximize their school experience and prepare for a rewarding future. For example, students may want to:

- discuss their high school courses and grades
- learn about their abilities and interests
- learn about Cumberland Perry Area Career & Technical Center
- use the career exploration/college search computer software program
- explore military careers
- participate in personal counseling
- seek help with scholarships/financial aid
- explore opportunities for cooperative work experience and internships
- learn about college dual enrollment opportunities
- navigate peer relationships
- connect with counseling resources outside of the school setting

Students are encouraged to take an active role in the development of their future. Self-awareness, career exploration, career decision-making and placement are emphasized and counselors will help students to develop options. The Counseling Department's goal is to promote the development of each student's potential, so that every student will become an effective decision-maker and problem-solver, a lifelong learner and a productive member of society.

Please use the counseling website located on the high school webpage to explore the many different types of services, information and resources available from the counseling department.

School Counselor for 9th - 12th grade students whose last names start with A-G: Mrs. Weaver

School Counselor for 9th - 12th grade students whose last names start with H-O: Mrs. Nitchman

School Counselor for 9th – 12th grade students whose last names start with P-Z: Mrs. Graybill

GRADING SYSTEM

A system of grading student achievement can help the student, teachers and parents to better assess the student's progress toward personal educational goals.

Grading is the system of measuring and recording student progress and achievement that enables the student, parents, and teachers to learn the student's strengths and weaknesses, plan an educational and vocational future for the student in the areas of the greatest potential for success and know where remedial work is required. Grades will measure the student's progress against both his or her own potential for achievement and the achievements of others in the class as appropriate to the grade level and subject matter.

The instructional program of the South Middleton School District includes a system of grading for all pupils that is consistent with the educational goals of the district.

GRADING

A	=	93% to 100%
B	=	85% to 92%
C	=	77% to 84%
D	=	70% to 76%
F	=	Less than 70%

PUPIL PROGRESS REPORTING

The cooperation and communication between the school and the home are vital in the growth and education of the whole child. The school has a responsibility to keep parents informed of students' welfare and progress. It also recognizes the effects of state board regulations and federal regulations governing school records.

The South Middleton School District's system of reporting student progress includes online grade reporting and parent conferences with teachers, upon request, in grades nine through twelve. It further requires all appropriate staff members to comply with this system as part of their teaching responsibility. Parents are highly encouraged to communicate with teachers via email or by phone as well as check on student's progress regularly via the Sapphire parent portal. Email addresses for teachers are located on the Boiling Springs website, www.smsd.us, and the counseling office can provide log-in information for the parent portal.

PROMOTION AND RETENTION

The personal, social, physical and educational growth of children will vary, and, therefore, they should be placed in the educational setting most appropriate to their needs at the various stages of their growth.

It is the policy of the South Middleton School District that each child be moved forward in a continuous pattern of achievement and growth that is in harmony with his or her own development. Such a pattern coincides with the system of grade level and the instructional objectives and student learning outcomes established for each.

A student will be promoted in subjects passed; required courses failed must be repeated or remediated.

KEYSTONE EXAMS

The Keystone Exams are end-of-course assessments designed to assess proficiency in various subjects. During the 2023-2024 school year, the following Keystone Exams will be given: Algebra 1, Literature and Biology. Beginning with the Class of 2023, students must demonstrate proficiency on all Keystone exams (Algebra 1, Literature and Biology) as a graduation requirement. Remediation will be offered for non-proficient students.

Students attending Cumberland Perry Area Career & Technical Center (CPACTC) must take each exam at least one time, and they may demonstrate competency in standards-based subject matter content through course grades or assessments and demonstrate readiness through industry-based skills assessments or certificates in lieu of a proficient score. The assessment used by Cumberland Perry CTC is the NOCTI (National Occupational Competency Testing Institute) and it covers both math, science and language arts standards, as well as business and industry standards.

Information obtained from state / local assessments will be valuable for (1) planning future school programs, curriculum development and in-service training and (2) informing the public about student achievement. These assessments will provide individual student reports as well as school, district and state data.

If a student is not able to score proficient or advanced on each Keystone Exam, and they do not attend CPACTC, there are additional alternatives listed below.

1. **Keystone Composite Pathway:** Earning a satisfactory composite score (4452) on the Algebra 1, 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).
2. **Alternative Assessment Pathway:** Earning a passing grade on the courses associated with each Keystone Exam and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB, Gold Level ACT Work Keys), advanced course work (AP, IB, concurrent enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
3. **CPACT Pathway:** Earning a passing grade on the courses associated with each Keystone Exam and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
4. **Evidence Base Pathway:** Earning a passing grade on the course associated with each Keystone Exam and demonstrate readiness for postsecondary engagement through three pieces of evidence for the student's career portfolio aligned to student goals and career plan.

Please Note: The district currently uses options 1, 2 and 3, and we are currently developing three pieces of evidence for option 4.

State High School Graduation Pathways

Act 158 of 2018 (Act 158), which was signed into law by Governor Tom Wolf on October 24, 2018, shifts Pennsylvania's reliance on high stakes testing as a graduation requirement to provide alternatives for high school students to demonstrate readiness for postsecondary success. This legislation expands the options for students to demonstrate postsecondary readiness through four additional pathways that more fully illustrate college, career, and community readiness.

Therefore, in addition to earning sufficient credits and completing the requirements of South Middleton School district, students graduating in the Class of 2023 and beyond must satisfy one of the five state graduation requirements outlined below.

Pennsylvania State Graduation Requirement Pathways				
Keystone Proficiency Pathway	Keystone Composite Pathway	Career and Technical Education Pathway	Alternative Assessment Pathway	Evidence Based Pathway
<p>-Student passes all three Keystone exams with a score of Proficient or advanced</p>	<p>-Student passes at least ONE Keystone exam with proficient or advanced</p> <p style="text-align: center;">AND</p> <p>-Student attains a composite score of at least 4452</p>	<p>-Student passes the Keystone-related course</p> <p style="text-align: center;">AND</p> <p>-Industry-Based Competency Assessment Success</p> <p style="text-align: center;">OR</p> <p>-Student demonstrates "a high likelihood of success to pass their NOCTI"</p>	<p>-Student passes the Keystone-related course</p> <p style="text-align: center;">AND</p> <p>-One of the following</p> <ul style="list-style-type: none"> -Attainment of an "established score" on an approved alternative assessment -ASVAB (31) -PSAT (970) -SAT (1010) -ACT (21) -Gold Level on the ACT assessment -Attainment of an "established score" on an AP/IB exam in academic content area associated with the Keystone exam a student did not pass -Successful completion of concurrent enrollment course in academic content area associated with the Keystone exam a student did not pass -Successful completion of a pre-apprenticeship program -Acceptance into an accredited 4-year nonprofit institution of higher education and evidence of the ability to enroll in college level work 	<p>-Student passes the Keystone-related course</p> <p style="text-align: center;">AND</p> <p>-Three pieces of evidence from the following:</p> <ul style="list-style-type: none"> -attainment of an "established score" on an ACT WorkKeys assessment, an SAT subject Test, or AP/IB Exam -Acceptance into "nonprofit, not 4-year college, post-secondary institution? And evidence of the ability to enroll in college level work -Attainment of an industry recognized credential -successful completion of a dual enrollment post-secondary course -Two of the following <ul style="list-style-type: none"> -complete a service-learning project -attain a score of proficient or advanced on a Keystone exam -Attain a letter guaranteeing full-time employment -Certificate demonstrating completion of an internship or a cooperative education program -Compliance with the NCAA's core courses for college-bound student athletes with a minimum GPA of 2.0

NCAA APPROVED COURSES

Any student athlete interested in playing a sport at a Division I or II college or university must be registered with the NCAA Eligibility Center. NCAA encourages on-line registration at <http://eligibilitycenter.org>. The following are Boiling Springs High School's approved courses. Please see your counselor if you have any questions.

English

English 1
English 2
Elements of English
Applied English
American Literature
World Literature
Social Issues
Advanced Communications
Honors English 1
Honors English 2
Honors English 3
AP English Lit & Comp

Social Science

United States History 3
World History 3
Government / Economics
Honors United States History 2
Honors United States History 3
Honors World History 3
Honors Government / Economics
AP US Government and Politics
AP Human Geography
AP United States History
Psychology
AP Psychology

Mathematics

Algebra 1
Algebra 2
AP Calculus AB
AP Calculus BC
Calculus
Geometry
Honors Algebra 2
Honors Geometry
Trigonometry
Honors Trig / Precalculus
Precalculus
Statistics
AP Statistics

Natural / Physical Science

Anatomy &
Physiology
AP Biology
AP Chemistry
Biology
Chemistry
Physics 1
Earth Science
Honors Biology
Honors Chemistry
Honors Earth Science
Honors Physics
Physical Science
Physics

Additional Core Courses

French 1
French 2
Honors French 2
French 3
Honors French 3
Honors French 4
AP French Language and Culture

Spanish 1
Spanish 2
Honors Spanish 2
Spanish 3
Honors Spanish 3
Honors Spanish 4
AP Spanish Language and Culture
Honors Spanish 6

AP Seminar
AP Research

REMEDIATION OF FAILED COURSES AND SUMMER SCHOOL POLICY

High school students receiving a failing grade between 60% and 69% in a required course must make up the failed course(s) through the Boiling Springs' Bubbler Cyber Academy. If the student fails to enroll in the Boiling Springs' Bubbler Cyber Academy, the course shall be added to their schedule for the upcoming school year.

High school students with less than a 60% will be required to repeat the course(s) or enroll in the cyber equivalent (at the student's expense).

There is a two-credit limit for adding failed courses into the student's schedule. Students who exceed this two-credit limit will be in jeopardy of not graduating on time with their original graduating class.

COURSE LEVELS

Some courses are offered by levels to provide students with content that is compatible with their capabilities, experiential background, interests and vocational plans. Prerequisites for some levels are required for entry into the program. Students must maintain a required grade or above to remain in some leveled courses.

CLASS RANK / GPA

A system of computing grade point averages and class ranking for secondary school graduates has been established. This is done to inform students, parents and others of students' relative academic placement among their peers under relatively similar circumstances.

Class rank is computed by weighted grade point average for students in grades 9 - 12. All students are ranked together. Class rank is computed by the final grade in all subjects for which percent grades are awarded, with the exception of band, chorus, outdoor education, physical education, internships, co-ops, independent studies and all dual enrollment / college courses taken off campus.

Any two or more students whose computed grade point averages are identical are given the same rank. The rank of the student who immediately follows a tied position will be determined by the number of students preceding him or her and not by the rank of the person preceding him or her.

A student's grade point average and class rank are entered on his or her record and are subject to the policy on release of student records and are available for review by authorized persons.

Credit for courses passed at non-high school institutions of learning shall apply toward fulfillment of graduation requirements. The dual enrollment grade will not be factored into the student's GPA though the final letter grade will be reflected on the high school transcript. Students are responsible for providing colleges and universities with an official dual enrollment transcript.

Those students of the graduating class who have a cumulative average (grades 9 - 12) of an 89.5% shall be recognized by having "With Honors" stated after their names during the roll call for presentation of diplomas. Students who have achieved a cumulative average (grades 9 - 12) of 94.5% or higher shall be recognized by having "With Distinguished Honors" stated after their names during the roll call for presentation of diplomas.

Students must take at least 2 full credit, ranked classes per year in the high school to continue to have their class rank calculated for graduation.

GRADUATION REQUIREMENTS

Each candidate for graduation shall have completed the standards-based course of study of their choice. The course of study shall include satisfactorily passing a minimum of 30.00 credits of course work and proficiency on the Keystone examinations.

Starting with the Class of 2023, students must demonstrate proficiency on all Keystone exams (Algebra 1, Literature and Biology) as a graduation requirement.

Students who fail required courses must make up the course credit(s) by one or more of the approved alternatives: digital learning center or repeating the course(s).

The credits include 21.00 or 22.00 of required courses. The following graduation requirements are listed below:

English 4 credits	Physical Education	2 credits
Social Studies 4 credits	Health	1 credits
Math 4 credits (3 for CTC)	Personal Finance	.5 credit
Science 3 or 4 (varies with sequence)	You and Your Career	.5 credit
World Language 2 credits of same language (1 for CTC)	Electives/Pathways/Internships	8-11 credits
	Total	30

- Students should focus their electives on areas specific to their post graduate plans. Additional selections from core subject areas are encouraged. Please speak to your school counselor for additional guidance.

CREDIT BREAKDOWN

All students are required to schedule 8 credits per year for a total of 32.00 credits during their 8 high school semesters. The breakdown of the required credits per year is listed below. It is important to realize that students have the flexibility to complete credits prior to the recommended semester or wait an additional semester to complete any given credit in order to schedule double courses in one curriculum.

Course	Completed by Semester 2	Completed by Semester 4	Completed by Semester 6	Completed by Semester 8	Total
English	1.00	1.00	1.00	1.00	4.00
Social Studies	1.00	1.00	1.00	1.00	4.00
Math	1.00	1.00	1.00	1.00	4.00
Science	1.00	1.00	1.00	* 1.00 / * 0.00	4.00 / 3.00
World Language	1.00	1.00			2.00
Physical Education	0.50	0.50	0.50	0.50	2.00
Health	0.50		0.50		1.00
Personal Finance				0.50	0.50
You and Your Career		0.50			0.50
Art / Music					0.50
Technology Education					0.50
Business / Computer					0.50
Electives	2.00	2.00	3.00	3.00 / 4.00	10.00 / 11.00
Total	8.00	8.00	8.00	8.00	32.00

* Sequence must include Biology, Earth Science, and Physical Science. Students may elect to substitute Chemistry and Physics in place of Physical Science. This will provide a more rigorous academic experience that should better prepare students for higher education.

All students are required to schedule 8 credits per year for a total of 32 credits during their 8 high school semesters. It is important to realize that students have the flexibility to complete credits prior to the recommended semester or wait an additional semester to complete any given credit.

EXCEPTIONS TO PLANNED COURSES

Requested opportunities outside the planned courses or proposed projects and criteria for assessment of outcomes will be addressed by a committee composed of administration, school counseling and departmental staff in the impacted area along with the student and parent. A plan of action will be established and approved prior to the initiation of the requested alternative to the planned course(s) and / or project(s). This proposal is only for exceptions and a written contract would include the required assessment and monitoring method.

OPTING OUT

Students wishing to opt out of a course must state their intentions to their school counselor and the department chair. An assessment or series of assessments will be used so that the student can demonstrate satisfactory completion of the planned course that he or she is wishing to opt out of. The school counselor will notify the department chair and the student shall meet with the department chair or his or her designee. At that meeting, the student will receive a copy of the department's opting out policy, a syllabus from the course, and agree upon a schedule to demonstrate his or her competencies. Though the schedule will be mutually agreed upon by the student and the department, the student must then demonstrate to the department that he or she has the competencies to opt out by the last day of final exams of the current year. If the student can successfully demonstrate those competencies, he or she must complete any additional papers, projects, oral interviews, assignments, etc. on a schedule assigned by the department chair.

INDEPENDENT STUDY

Students may demonstrate achievement of student learning standards as a result of participation in independent study courses. Several departments offer independent study courses. Students must obtain the independent study application from the counseling office. The department chair and instructor will then meet with the student to develop the planned course of study. The planned course of study should include the desired learning objectives and how they relate to the state standards, the content of the course, activities and materials, and the agreed upon time and schedule to complete the course. Completed applications, including required signatures, must be returned to the office. Independent Studies are not computed in GPA and class rank.

OPEN CAMPUS

Senior students who are in good academic and behavioral standing (no history of failed credits or excessive discipline) have the opportunity to opt out of two credits for the 2023-2024 school year.

It is important for students and parents to recognize that if a student elects to take only 30 credits and fails any of those 30 credits, graduation requirements will not be met, and the student will not be able to graduate with their high school diploma in June 2024.

COLLEGE DUAL ENROLLMENT

Dual Enrollment Opportunities:

Students will have the opportunity to earn college credits in conjunction with high school graduation. This goal can be accomplished through the following options:

1. **Off Campus and Virtual College Courses (Dual Enrollment)** allows high school juniors and seniors to take college courses and earn college credits while they continue to earn high school credits and satisfy high school requirements.

Guidelines for dual enrollment to college include the following: Students must have completed a minimum of 16 high school credits toward graduation. Students must apply to the college of their choice and coordinate the scheduling of dual enrollment courses with their high school counselor. Course approval, scheduling and planning should be completed at least three weeks prior to the start of the high school semester in which the course is administered. Tuition, transportation and all other costs are the responsibility of the student. Students must meet all requirements for dual enrollment that are established by the college of their choice.

Dual enrollment courses are not included in high school GPA and class rank. Dual enrollment final letter grades and the equivalent high school credits are reflected on the high school transcript.

2. **College in the High School** enables interested and qualified high school juniors and seniors to take college level courses at their high school during the regular school day. If the student desires to receive college credit upon completion of the course, they must meet criteria and pay a reduced tuition cost set forth by the institution.

ADDITIONAL OPPORTUNITIES

The following programs are offered and coordinated through the Business and Computer Education Department.

Health Care Careers Exploration Program *

Nurse Aide Training Program *

Emergency Medical Technician Program (EMT) *

Architecture, Construction, Engineering Mentor Program (ACE) *

* Please see course description for more details.

Boiling Springs High School Planning Guide

Course	Grade 9 (8.00 credits)	Grade 10 (8.00 credits)	Grade 11 (8.00 credits)	Grade 12 (8.00 credits)
English (4.00 credits)	English 1	English 2	Elements of English or Applied English, American Literature, World Literature, Social Issues or Advanced Communications	Elements of English or Applied English, American Literature, World Literature, Social Issues or Advanced Communications
Social Studies (4.00 credits)	Modern History 1	U.S. History 3	World History	Government / Economics
Mathematics (4.00 credits) varies with sequence	Algebra 1	Geometry	Algebra 2	Trigonometry
Science (3.00 or 4.00 credits) varies with sequence	Biology	Earth Science	Physical Science	
			Chemistry	Physics
World Language (2.00 credits of the same language)	French 1 or French 2 OR Spanish 1 or Spanish 2	French 2 or French 3 OR Spanish 2 or Spanish 3		
Family & Consumer Science (0.50 credit)				Personal Finance (0.50 cr.)
Physical Education & Health (3.00 credits)	PE 1 (0.50 cr.) Health 9 (0.50 cr.)	PE 2 (0.50 cr.)	PE 3 (0.50 cr.) Health 11 (0.50 cr.)	PE 4 (0.50 cr.)
Art / Music Elective (0.50 credit)				
Technology Education Elective (0.50 credit)				
Business / Computer Elective (1.00 credit)		You and Your Career (0.50 cr.)		
Electives (11.00* / 10.00** credits)	2.00 cr.	2.00 cr.	3.00 cr.	3.00* cr. / 4.00** cr.

Honors classes are available to students who meet the prerequisite requirements.

- Students should focus their electives on areas specific to their post graduate plans. Additional selections from core subject areas are encouraged. Please speak to your school counselor for additional guidance.

Criteria for each subject are available in the department course descriptions in this handbook.

Boiling Springs High School CPACTC Planning Guide

Course	Grade 9 (8.00 credits)	Grade 10 (8.00 credits)	Grade 11 (8.00 credits)	Grade 12 (8.00 credits)
English (4.00 credits)	English 1	English 2	Elements of English or Applied English, American Literature, World Literature, Social Issues or Advanced Communications	Elements of English or Applied English, American Literature, World Literature, Social Issues or Advanced Communications
Social Studies (4.00 credits)	Modern History 1	CTC American History	CTC World Studies	Government / Economics
Mathematics (3.00 credits) varies with sequence	Algebra 1	Geometry	Algebra 2	
Science (3.00 or 4.00 credits) varies with sequence	Biology	Earth Science	Physical Science	
World Language (1.00 credits of the same language)	French 1 or French 2 OR Spanish 1 or Spanish 2			
Family & Consumer Science (0.50 credit)				Personal Finance (0.50 cr.)
Physical Education & Health (3.00 credits)	PE 1 (0.50 cr.) Health 9 (0.50 cr.)	PE 2 (0.50 cr.)	PE 3 (0.50 cr.) Health 11 (0.50 cr.)	PE 4 (0.50 cr.)
You and Your Career (0.50 credit)		You and Your Career (0.50 cr.)		
Electives (1.00 credits)	2.00 cr.	VT Program (3.00 cr.)	VT Program (3.00 cr.)	1.00 cr. VT Program (4.00 cr.)

Criteria for each subject are available in the department course descriptions in this handbook.

ART DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
0805	2D Design	9 – 12	0.50	None
0810	Painting	9 – 12	0.50	77% in 2D Design
0812	Drawing 1	9 – 12	0.50	77% in 2D Design
0814	Illustration	9 – 12	0.50	77% in 2D Design
0815	Advanced Drawing	9 – 12	0.50	77% in Drawing 1
0820	3D Design	9 – 12	0.50	77% in 2D Design
0840	Survey of Art History (20 th Century Art)	9 – 12	0.50	None

0805 2D Design

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is a prerequisite for all other art courses except Survey of Art History. This course is designed for students who have an interest in art and are interested in exploring the various avenues of art making. Students will learn and develop basic design and drawing skills. Assignments will help students learn how to use the elements and principles of design to compose a work of art or page layout. Students will learn skills in color theory, drawing, painting, illustration, printmaking and basic 3-D design. Art appreciation and historical studies will also be covered.

0810 Painting

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: 77% in 2D Design or teacher approval.

This course will introduce the student to many painting techniques, both traditional realistic and contemporary abstract. The world of painting in the 21st century is both a study of traditional techniques and a combination of new and innovative painting explorations. Students will build upon their skills gained in 2D Design and Drawing 1. Media will include watercolor, acrylic, ink as well as experimentations in mixed media. Color theory will be explored, and students will advance their understanding of how color works. Creative problem solving and critical thinking will be used to create self-expressive, unique and personal works of art.

0812 Drawing 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: 77% in 2D Design or teacher approval.

This course is for all students interested in developing their drawing skills and abilities. This course is recommended for all students who wish to strengthen their powers of observation and their ability to represent the three-dimensional world on a flat surface. Creating a good composition through effective use of the elements and principles of design is a main goal of this course. Drawing skills are important whether you plan to pursue a career in fine or applied arts.

0814 Illustration

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: 77% in 2D Design or teacher approval.

Illustrators provide powerful imagery to communicate ideas in a way not possible with words alone. From the sketch process to the development of finished images, students are exposed to a variety of working methods. Project materials will include acrylic, pen and ink, watercolor, markers and collage to enable students to experiment with new media. Assignments will explore the relationship between concept, text and images. This course encompasses training of the hand, eye, and mind. Students will be taught to be creative problem solvers and visual narrators while exploring ideas from research to sketches to their finished art which will be drawn, painted or sometimes created on the computer. Students will learn the tools, materials and techniques as it applies to create persuasive, visually appealing illustrations.

0815 Advanced Drawing

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: 77% in Drawing 1 or teacher approval.

This course is for the art student who wishes to further explore drawing and painting. Experimentation with materials and methods of production is to encourage personal expression and inviting imaginative solutions. More long-term projects will allow for exploration of new methods and ways to invent images in order to convey personal meaning. Students will further develop sound craftsmanship and various strategies for personal expression. There are frequent discussions and critiques in order to form intellectual connections between your work and our culture.

0820 3D Design

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: 77% 2D Design or teacher approval.

This course explores three-dimensional design and is for students interested in working with the materials and concepts involved in making sculpture. The dynamics of the spatial aspect of an object and how an idea can develop into an art form are investigated. Using a variety of media (clay, paper, wire, plaster, fibers, found objects, etc.) students will work in three dimensions by carving, casting, modeling and assembling.

0840 Survey of Art History (20th Century Art)

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is not about making art, this course is about art. Students will learn the excitement, relevance and purpose of art and the artist by combining stimulating discussions and the study of the history of art. Learn the stories behind some famous masterpieces. Discover how and why humans have created art since the earliest times. Reflect on the historical significance of art and consider how art relates to the world around us.

BUSINESS AND COMPUTER TECHNOLOGIES DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
0485	Journalism / Yearbook	10 – 12	1.00	Teacher approval
0625	You and Your Career	10	0.50	None
1126	Advanced Careers	11 – 12	0.50	Taken with Cooperative Education
1127	Multimedia Technology	9 – 12	0.50	None
1128	Entrepreneurship	9 – 12	0.50	None
1135	Accounting 1	10 – 12	1.00	78% or higher in two math courses in grades 10 - 12
1136	Marketing 1	9 – 12	0.50	None
1140	Personal and Business Law	9 – 12	0.50	None
1150	Web Development and Design	9 – 12	0.50	None
1160	Computer Science and Programming	9 – 12	0.50	None

Business and Career Courses

0625 You and Your Career

Credit: 0.50

Semesters: 3 – 4

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course will familiarize students with the tools and knowledge to explore a career interest area that matches their aptitudes, interests and skills. Students will work with various career clusters, assemble personal profiles, and learn the importance of hard and soft skills in the workplace. They will also develop a resume, cover letter, and participate in a mock interview conducted by local business personnel.

1126 Advanced Careers

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Same semester as Cooperative Education Experience.

The purpose of this course is to prepare students for entrance into a placement in the Co-op Program. They will engage in safety, workplace ethics, interview skills, etiquette and job search training. This course is primarily computer and project based and requires independent learning. Students must take this course before or in conjunction with a Co-op placement. You must have approval by the Career Coordinator before taking the course.

1128 Entrepreneurship

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Learn about the process of starting and running a business. Topics covered include forms of ownership, business plans, marketing a business, hiring and managing a staff, as well as financing, protecting and insuring a business. Individual and group projects will be incorporated into the course.

1135 Accounting 1

Credit: 1.00

Semesters: 3 – 8

Weight: 1.00

Prerequisite: Two math courses (78% or higher) in grades 10-12.

Accounting is the foundation needed to understand how businesses operate. The accounting cycle and concepts will be presented for service and merchandising businesses. Transactions and end-of-fiscal period work will be completed for proprietorships and corporations using computerized and manual accounting methods. This course may be counted as a math credit.

1136 Marketing 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

The purpose of this course is to provide students with an overview of marketing essentials. The course foundation is based around marketing, pricing and branding strategies. Students will focus on the various techniques associated with promoting companies, services and products. Individual and group projects will be incorporated into the course. Emphasis: Training and experience in the marketing industry with a focus on advertising and promotion.

1140 Personal and Business Law

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course offers the opportunity to learn about contracts, ethics, criminal law, civil law, trial procedures, cybercrimes, and other processes that exist today. Students will explore this material through textbook resources, current events, educational films, group discussions and field trips to Penn State Dickinson Law School and the Cumberland County Courthouse.

Computer Application Courses

1127 Multimedia Technology

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Multimedia Technology is a project-based course for students interested in digital design and video editing. Students will learn the principles of design, the history of film, various advertising techniques, animation, and the basics of audio/video editing using the Adobe Creative Cloud and various Web 2.0 tools.

1150 Web Development and Design

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Web Development and Design is a project-based course for students interested in web design and information technology. Students will learn how to design websites using mainly HTML and CSS. Students will work with code, text, graphics, color, and interactive media to create original designs. Students will work to plan, design and develop original websites through Notepad, Adobe XD, Adobe Dreamweaver, and other online website builders.

0485 Journalism / Yearbook

Credit: 1.00

Semesters: 3 – 8

Weight: 1.00

Prerequisite: Complete the brief application by the announced deadline and be approved to be a member of the yearbook staff.

Journalism/Yearbook is open to sophomores, juniors, and seniors. In the beginning, students will learn the fundamental elements of yearbook design including layout, theme development, coverage and content, copywriting, and photography basics. The remainder of the school year will focus on yearbook production. Any student interested in journalism, business, sales and marketing, graphic design, photography, or web design is encouraged to apply. NOTE: This course may occasionally require time outside of school.

Computer Programming Course

1160 Computer Science and Programming

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Computer Science provides an in-depth study of personal computer systems and networks and introduces students to the programming language Python. While much of the semester will be spent programming in Python, students will also learn computer hardware/software, Internet and networking basics, cybersecurity, and digital citizenship. Upon completion of this course, students should be prepared for any further study in programming languages and the information technology field.

WORK EXPERIENCE OPPORTUNITIES

1165 Cooperative Education 1

Credit: 1.00

Semesters: 7 – 8

Weight: 1.00

1166 Cooperative Education 1

Credit: 2.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: Completion of 22.00 credits and acceptance into the program.

The Cooperative Education Program enables students to work during the school day as a part-time employee in their specified career area. Following a training plan, the students learn both work skills and specific on-the-job training. Students may enroll for up to 2.00 credits each semester throughout their senior year. Transportation and related costs are the student's responsibility. Program supervision is provided by a certified coordinator. Monthly meetings and online course work are required as part of the program.

1170 Cooperative Education 2

Credit: 1.00

Semesters: 7 – 8

Weight: 1.00

1171 Cooperative Education 2

Credit: 2.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: 80% in Cooperative Education 1.

Co-op 2 is a continuation of Co-op 1 for a second semester.

1172 After School Work Experience

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

1173 After School Work Experience

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

The program is offered through the Work Experience Office to students who need to complete up to two elective credits for graduation requirements. The following requirements must be completed:

1. Schedule eight credits during regular school hours, excluding Co-op and Internship.
2. Submit required paperwork for admission to the program prior to beginning work. Forms are available in the Work Experience Office.
3. Secure employment at an approved site and federal clearances.
4. Work the hours required to earn credits for graduation (60 hours for 0.50 credit; 120 hours for 1.00 credit). Submit pay stubs to show verification of work hours.
5. Complete the online classroom projects and journals.
6. Upon completion of the work hours, submit a performance evaluation completed by the employer and a 2 – 3-page paper about the work experience.

1174 Internship 0.50 credit

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

1175 Internship 1.00 credit

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Completion of 15.00 credits and acceptance into the program.

The Internship Program permits students to explore work in a career area of interest during the school day. Working with a mentor, the students learn about the work setting and required skills needed to perform in a particular career. Transportation and related costs are the student's responsibility. Monthly meetings and online course work are required as part of the program. Supervision is provided by a certified coordinator. Applications are available in the Work Experience Office.

1176 Senior Internship 2.00

Credit: 2.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: Completion of 22.00 credits and acceptance into the program.

Senior internships permit students to travel off campus for up to two blocks to explore work in their specified career area. Following a training plan, the students learn both work skills and specific on-the-job training. Transportation and related costs are the student's responsibility. Program supervision is provided by a certified coordinator. Monthly meetings and work-based projects are required as part of the program.

1177 Health Care Careers Exploration Program

Credit: 2.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: Completion of 22.00 credits and acceptance into the program.

The Health Care Careers Exploration program provides high school seniors with opportunities to explore the many occupational settings of the health care system. Through this program, students engage in observation, assessment and reflection through a mentor relationship with health care professionals. The rotation through approximately 30 different departments at Penn State Holy Spirit occurs during the first marking period. Students enter a volunteer or work experience program for the second marking period. Students complete an application followed by an interview with the human resources staff at Holy Spirit Hospital.

1178 Nurse Aide Training Program

Credit: 2.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: Completion of 22.00 credits and acceptance into the Nurse Aide Training Program offered through Harrisburg Area Community College.

In the Nurse Aide Training Program, students attend classes taught by HACC Nurse Aide Training instructors at a long-term care facility in the Carlisle area. Students provide transportation and all related costs involved with the program. Classes are offered from 12:30 p.m. to 4:00 p.m. daily until the required 104 hours of instruction are met. Upon earning certification, students work as Nurse Aides through the Cooperative Education Program. More information is available through the Work Experience Office or your school counselor.

1180 Emergency Medical Technician Program (EMT)

Credit: 2.00

Semester: 7 - 8

Weight: 1.00

Prerequisite: Completion of 16.00 credits and acceptance into the Emergency Medical Technician program offered through Cumberland Goodwill EMS.

In the EMT Program, students attend 140 hours of instruction taught by certified instructors with students from other area high schools. Classes are held at Cumberland Goodwill EMS Training Center with students providing transportation and all related costs. The classes are held during Semester 2, blocks 1-2. Students must be 16 years old on or before the first day of class. Upon completion of the coursework, students will take the EMT certification test. The program is supervised through the Work Experience Office. Applications are available through your school counselor or in the Work Experience Office.

1181 Architecture, Construction, Engineering Mentor Program (ACE)

Credit: 0.50

Semesters: 3 – 8

Weight: 1.00

Prerequisite: Completion of 16.00 credits and acceptance into the program.

The ACE Mentor Program is designed to expose students to the various careers in the architecture, construction management and engineering industry. During the course, local industry professionals serve as mentors for the students. The students work in teams to design and create an industry relevant project. Topics include architecture; civil, structural, mechanical, and electrical engineering; system integration / scheduling; construction estimating and bidding; construction management; interior and landscape design; finishes and safety. This is an after-school program that takes place at Cumberland Perry Career and Technical School. Transportation and related costs are the student's responsibility. Please see the Work Experience Office for applications.

ENGLISH DEPARTMENT

Course Descriptions

High school students are required to schedule and pass all English courses in sequence. Students will not be permitted to advance to the next level of English without successful completion of the previous course.

Honors English Sequence

Number	Course	Grade	Credit	Prerequisite
0400	Honors English 1	9	1.00	Benchmark Assessment Data and PSSA scores
0405	Honors English 2	10	1.00	85% in Honors English 1 or a 95% in English 1
0410	Honors English 3	11	1.00	85% in Honors English 2 or a 95% in English 2
0415	AP English Literature and Composition	12	1.00	85% in Honors English 3

Academic English Sequence

Number	Course	Grade	Credit	Prerequisite
0440	English 1	9	1.00	None
0445	English 2	10	1.00	Successful completion of English 1
0452	American Literature	11	1.00	Successful completion of English 2
0450	Elements of English	11	1.00	Successful completion of English 2
0457	World Literature	12	1.00	Successful completion of American Literature or Elements of English
0455	Applied English	12	1.00	Successful completion of American Literature or Elements of English
0458	Social Issues	11 – 12	0.50	Successful completion of English 2
0459	Advanced Communications	11 – 12	0.50	Successful completion of English 2

Honors English Sequence

Prerequisites for all Honors English and Advanced Placement English classes: Placement in Honors English classes is available to students based upon the criteria listed below.

A compilation of data results that include benchmark assessment data and PSSA scores will determine a student's eligibility for admittance into Honors English 1.

Students in grades 10 and 11 who desire to enter the Honors English sequence must meet the following criteria: (1) have at least a 95% average in their most recent English class and (2) obtain the recommendation of their most recent English teacher.

Students who select Advanced Placement or Honors English classes agree to complete summer / pre-course assignments and meet the deadlines prior to the start of class. Failure to do so will result in being dropped from

the course roster at the beginning of the semester. They will also be required to enter The Scholastic Writing Awards contest in December.

Because of the inherent differences in curriculum sequences of the Honors English program and the English program, entry into or exit from the Honors English sequence in the middle of the course is generally not advisable. The student is expected to remain in the Honors English sequence (Honors English 1 through Advanced Placement English) unless the Honors English Committee deems the student has been misplaced, and it is not in the student's best interest to remain in the program.

Students must maintain an 85% average to remain in the Honors English program.

0400 Honors English 1

Credit: 1.00

Semesters: 1 – 2

Weight: 1.05

Prerequisite: See Honors English sequence paragraphs.

Honors English 1 offers the opportunity to study a variety of literature while strengthening communication and writing skills. The curriculum includes an intense study of grammar, paragraph writing, literary analysis, and the writing of several basic types of essays as well as some creative writing. The literature focuses on short stories, novels, drama and a memoir. Students will be required to complete summer assignments and follow-up projects prior to the course.

0405 Honors English 2

Credit: 1.00

Semesters: 3 - 4

Weight: 1.05

Prerequisite: See Honors English sequence paragraphs.

This course is directed to four areas: composition; a research project; vocabulary development; and intensive study of literature. Essay writing and theme development will be stressed. Students should be prepared to read nightly and study novels and plays. Additionally, students will write an analytical research paper. Students will be required to complete summer reading assignments and follow-up projects prior to the course.

0410 Honors English 3

Credit: 1.00

Semesters: 5 - 6

Weight: 1.10

Prerequisite: See Honors English sequence paragraphs.

In this course, there are three major areas of concentration; an in-depth study of American authors and literature from the colonial period through the twentieth century; vocabulary development and composition, particularly through SAT verbal preparation and various forms of writing; and a literary analysis of a significant American work in the form of a research paper. Students will be required to complete summer reading assignments and follow-up projects prior to the course.

0415 AP English Literature and Composition

Credit: 1.00

Semesters: 7 - 8

Weight: 1.15

Prerequisite: See Honors English sequence paragraphs.

This course is designed for those who have taken the Honors English sequence and wish to pursue college-level English studies while still in high school. Students in this course will read widely and reflect on their reading through extensive discussion and writing assignments. Summer reading assignments will be required. Students should be prepared to read an average of 15 - 20 pages per night, and they will be encouraged to take the College Board Advanced Placement English test in May. Students will be required to complete summer assignments and follow-up projects prior to the course.

Academic English Sequence**0440 English 1**

Credit: 1.00

Semesters: 1 – 2

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course offers an extensive study of grammar, literature and writing. Academic writing expectation will be emphasized with a focus on developing supporting details. The novel, short story, essay, drama, memoir and poetry will serve as a foundation for literature. Students will be required to complete a research project in preparation for extensive research assignments in future courses.

0445 English 2

Credit: 1.00

Semesters: 3 – 4

Weight: 1.00

Prerequisite: Successful completion of English 1.

This course is directed to three areas: mastery of grammar and composition skills, study of literary genres, and vocabulary development. Essay writing and theme development will be stressed. Students will read and study examples of the novel, short story, essay, and drama in preparation for literature study in grades 11 and 12.

0450 Elements of English

Credit: 1.00

Semesters: 5 – 6

Weight: 1.00

Prerequisite: Successful completion of English 2.

This course offers a practical study of fiction and nonfiction literature by exploring universal themes through both whole-class and self-selected texts. Reading and writing tasks will focus on analysis and application to real world issues. Students will also improve communication and rhetorical skills. Projects will be used in place of tests, as this class is designed for career-minded students.

0455 Applied English

Credit: 1.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: Successful completion of any grade 11 English course.

In this project-based course, students will explore literature through a variety of genres from classic works to contemporary pieces to current social issues. Class discussions and assessments will center around the analysis of these texts and how they apply to our everyday lives. Real world writing and communication will be emphasized, including persuasive techniques and problem-solving skills.

0452 American Literature

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Successful completion of English 2.

This course prepares students for college level academic reading and writing through a study of the American literary tradition. This includes a wide variety of viewpoints and authors from the nation's past and present. Students will engage in a multitude of various literary genres, such as fiction, non-fiction, poetry, essays and drama, while also developing their analytical and rhetorical writing abilities.

0457 World Literature

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Successful completion of English 2.

This course offers a review of six major types of literature: fiction, non-fiction, poetry, biography, essay and drama. It connects a plethora of pieces from Greek Mythology to contemporary works. The course also emphasizes the development of composition and communication skills based on connecting to overarching concepts, while acquiring new vocabulary. Students are asked to react to literature, summarize, analyze, compare, evaluate and express themselves creatively in certain genres.

0458 Social Issues

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Successful completion of English 2.

The course, while shorter than a full credit course, includes depth and analysis of controversial topics reflected in literary works for centuries. Paring historical pieces with writings of a more recent decade, students acquire comprehension of the human condition. Expectations include the ability to articulate ideas both verbally and in writing, while simultaneously comprehending, analyzing and evaluating literature. In addition, thoughts gleaned are supported with proven statistics and facts found in scholarly research.

0459 Advanced Communications

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Successful completion of English 2.

Advanced Communications is a course offered to students interested in gaining experience and self-confidence in public speaking by presenting themselves well, communicating effectively and learning new methods of communications. The aim of the course is to learn how to better communicate with others using different modes of media and styles and to analyze how to better consume media and communications. Students are expected to critique each other's speeches and offer positive suggestions for improvement. Students will be tasked with analyzing, evaluating and interpreting various forms and styles of communication in order to understand how to become a better consumer of media and ultimately to become better communicators themselves.

FAMILY AND CONSUMER SCIENCES DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
1005	Interior Design	9 – 12	0.50	None
1010	Personal Finance	11 – 12	0.50	16.00 completed credits
1015	Child Development 1	10 – 12	0.50	Completion of Health 9 and English 1
1020	Child Development 2	10 – 12	0.50	77% in Child Development 1
1025	Basic Foods	9 – 12	0.50	None
1030	Advanced Foods	9 – 12	0.50	77% in Basic Foods
1040	Fashion Strategies	9 – 12	0.50	None

1005 Interior Design

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course focuses on the basics of interior design. Students will gain an understanding of how the elements and principles of design are used in interior design. Students will develop floor plans and create sample boards for different types of rooms, including kitchens. Different design styles, furniture styles, and background materials will be studied. Some projects will use computer applications.

1010 Personal Finance

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: Students must successfully complete 16.00 credits.

This course will introduce students to concepts associated with personal finance and focuses on practical knowledge that is necessary for financial decision making in everyday life. Topics include budgeting, managing finances, saving money, using credit wisely and making informed consumer decisions on household expenses. Students will learn about basic consumer rights and responsibilities. This course is required for graduation.

1015 Child Development 1

Credit: 0.50

Semesters: 3 – 8

Weight: 1.00

Prerequisite: Students must successfully complete 8.00 credits including English 1 and Health 9.

This course is designed for those students who are interested in learning about human development and acquiring skills important for working with children. We will study development from the prenatal period through the preschool years. Students will learn how to nurture physical, cognitive, and social-emotional development of young children and guide children's behavior. Careers related to children will be examined. This course is a prerequisite for Child Development 2 where students will operate a program for preschool children.

1020 Child Development 2

Credit: 0.50

Semesters: 4 – 8

Weight: 1.00

Prerequisite: 77% in Child Development 1 or teacher approval.

This course is designed for students who want to work with young children. Students will use information taught in Child Development 1 to operate a child development lab school for preschool children. Students will provide a safe educational environment for the children. The major emphasis of the class is for students to create, plan, and conduct developmentally appropriate activities for the children.

1025 Basic Foods

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course will introduce students to the basics of working in the kitchen. Proper use of equipment and appliances, measuring techniques, following a recipe, manners and food safety are important areas of study. Students will prepare a variety of foods, with an emphasis on healthy foods. Practical nutrition information is covered to allow students to make better food choices.

1030 Advanced Foods

Credit: 0.50

Semesters: 2 – 8

Weight: 1.00

Prerequisite: 77% in Basic Foods or teacher approval.

This class builds on information and skills learned in Basic Foods. Topics will include more complicated cooking and baking techniques. Foods from other cultures and regions will be studied and prepared. There is a continued emphasis on safety in the kitchen and working with others. This course is ideal for students who are considering a career related to food or hospitality.

1040 Fashion Strategies

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Have you ever wanted to work in the fashion industry as a designer, stylist or merchandiser? This course will expose you to all aspects of fashion and the fashion industry. We will learn about the elements of design including color, silhouette, line and texture. Students will create visual boards and explore fashion careers such as styling, merchandising and design. Students will also learn the basics of sewing including pattern reading, fabric identification and construction. Students will then apply that knowledge to sew their own garments, modify existing garments and create an unconventional garment. Students are required to purchase their own fabric, thread and patterns for this course. **Students are required to purchase their own fabric, thread and patterns for this course.**

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
0600	Physical Education 1 / 2	9 – 10	0.50	None
0605	Health 9	9	0.50	None
0630	Physical Education 3 / 4	11 – 12	0.50	PE 1/2
0635	Health 11	11	0.50	16.00 completed credits or approval by department chair
0650	Outdoor Education	12	0.50	PE 3/4

Health

0605 Health 9

Credit: 0.50

Semesters: 1 – 2

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is designed to increase student awareness and comprehension of current health related issues. Throughout the course, the concept of personal responsibility for health and wellness will be emphasized. A variety of current and future health related issues will be covered.

0635 Health 11

Credit: 0.50

Semesters: 5 – 6

Weight: 1.00

Prerequisite: Each student must have successfully completed 14.00 credits or have the approval of the department chair.

The health curriculum offers a comprehensive and current perspective of the critical areas in health education that are important to students today. Emphasis is placed upon concepts that will enhance students' appreciation of the importance of good health in their quest for a high quality of life.

Physical Education

0600 Co-Ed Physical Education 1 / 2

Credit: 0.50

Semesters: 1 – 4

Weight: 1.00

0630 Co-Ed Physical Education 3 / 4

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: PE courses must be taken sequentially unless approval is given by the department chairperson or principal.

The purpose of the physical education curriculum is to provide each student with an understanding of the rules and skills necessary to play a large variety of both competitive sports and lifetime activities. Not every sport will be taught each year, but by the senior year the various team, lifetime, and recreational sports as well as aquatic skills will have been taught at least twice. Physical Education is scheduled for three periods per cycle in a coeducational setting.

0650 Outdoor Education Experience

Credit: 0.50

Semesters: 7 – 8

Weight: 1.00

Prerequisite: PE 1 / 2 and PE 3 / 4

This course is designed to heighten student awareness and utilization of local and community resources and is geared toward those students who wish to experience a variety of outdoor activities. The course will include a combination of classroom and field instruction in such areas as paddle sports (canoeing, kayaking), hiking, orienteering, fishing (spin and fly), camping, backpacking and bicycling. This course will satisfy the PE 4 requirement.

LEARNING SUPPORT DEPARTMENT

Course Descriptions

Learning Support students are selected for resource room subjects and follow a prescribed Individual Educational Plan (IEP).

The Learning Support curriculum offerings will mirror the regular curriculum except for Math. Learning Support Math will maintain its curriculum to accommodate the wide range of student needs.

1210 Academic Support First Semester

Credit: 0.50 Semester: 1 Weight: 1.00

1211 Academic Support Second Semester

Credit: 0.50 Semester: 2 Weight: 1.00

Prerequisite: Teacher recommendation.

Learning Support students are provided assistance with academic requirements in this pass / fail course. Students may elect 0.50 credits of support classes each semester. A portion of the class will be instructional. Topics will include, but not be limited to, study skills and reading for content.

1201 Learning Support Reading

Credit: 1.00 Semesters: 1 – 8 Weight: 1.00

Prerequisite: Teacher recommendation.

The purpose of this course is to offer small group and individualized instruction in reading skills.

Learning Support English

1221 Learning Support English 1

Credit: 1.00 Semesters: 1 – 2 Weight: 1.00

Prerequisite: Teacher recommendation.

Learning Support English 1 offers small group and individualized instruction. These courses offer literature as seen through the novel, short story, essay, poetry, and drama. Grammar, vocabulary development and composition will be studied. Sentence writing will be emphasized as a basis for paragraph writing.

1222 Learning Support English 2

Credit: 1.00 Semesters: 3 – 4 Weight: 1.00

Prerequisite: Teacher recommendation.

Learning Support English 2 offers small group and individualized instruction. Students will read and study examples of the novel, short story, essay, poetry and drama. Grammar, vocabulary development and composition skills will be improved. Paragraph and essay writing will be stressed.

1223 Learning Support Elements of English

Credit: 1.00

Semesters: 5 – 6

Weight: 1.00

Prerequisite: Teacher recommendation.

This course offers small group and individualized instruction. The course offers a practical study of fiction and nonfiction literature by exploring universal themes through both whole-class and self-selected texts. Reading and writing tasks will focus on analysis and application to real world issues. Students will also improve communication and verbal skills. In this course, there will be an emphasis on both reading and writing strategies and reinforcing previously learned skills.

1224 Learning Support Applied English

Credit: 1.00

Semesters: 7 - 8

Weight: 1.00

Prerequisite: Teacher recommendation.

This course offers small group and individualized instruction. In this course, students will explore literature through a variety of genres from classic works to contemporary pieces to current social issues. Class discussions and assessments will center around the analysis of these texts and how they apply to our everyday lives. Real world writing and communications will be emphasized, including persuasive techniques and problem-solving skills. In this course, there will be an emphasis on both reading and writing strategies and reinforcing previously learned skills.

Learning Support Math**1230 Learning Support Algebra 1A**

Credit: 1.00

Semester: 1

Weight: 1.00

1231 Learning Support Algebra 1B

Credit: 1.00

Semester: 2

Weight: 1.00

1233 Learning Support Algebra 1C

Credit: 1.00

Semester: 3

Weight: 1.00

Prerequisite: There is no prerequisite for this course. Learning Support Algebra 1A, 1B and 1C are to be taken in sequence.

These courses cover the topics of numbers and operations, measurement, and algebra. Students will also problem solve, communicate and use mathematical reasoning and their connections to the real world. The students in these courses will receive small group and individualized instruction.

1232 Learning Support Geometry

Credit: 1.00

Semesters: 3 – 4

Weight: 1.00

Prerequisite: Teacher approval.

Learning Support geometry is designed to help the students understand the nature of various geometric figures and their applications in the physical world. The students in this course will receive small group and individualized instruction.

1234 Learning Support Consumer Math

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course covers the math skills used by consumers. Students will compute wages by various means, compute consumer prices, compute payments on charges and layaways and manage costs of a household and automobile. Students will learn to prepare taxes, a household budget and how to complete various banking exercises.

Learning Support Cooperative Education Experience

This program will allow Learning Support students access to occupational learning experiences in combination with academic instruction through on-site work programs. Students will be exposed to their chosen careers in partnership with the school and employer. The Learning Support Cooperative Coordinator and the student's employer will implement a training plan. The students will follow this plan in implementing the cooperative experience.

Requirements

1. A written training agreement signed by the employer, student, and parent / guardian.
2. A Learning Support Cooperative Education Teacher / Teaching aide will work with the employer.
3. Evaluations are conducted by the coordinator, employers, and worksite supervisor.
4. Students will be employed and compensated in compliance with federal, state and local laws.

Learning Support Cooperative Education students will be scheduled for a release from school for either 1 or 2 blocks during a semester. Students choosing Co-op for 2.00 credits must work a minimum of 15 hours per week. Those choosing 1.00 credit must work a minimum of 10 hours per week. Transportation is the student's responsibility. The student's progress will be monitored through visits by the cooperative teacher / teaching aide to each worksite and with meetings between the employer and the student.

1263 Learning Support Cooperative Education 1

Credit: 1.00	Semesters: 3 – 8	Weight: 1.00
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1264 Learning Support Cooperative Education 1

Credit: 2.00	Semesters: 3 – 8	Weight: 1.00
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Prerequisite: Submission of an application and acceptance into the program.

See above for description.

1265 Learning Support Cooperative Education 2

Credit: 1.00	Semesters: 3 – 8	Weight: 1.00
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1266 Learning Support Cooperative Education 2

Credit: 2.00	Semesters: 3 – 8	Weight: 1.00
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Prerequisite: 80% in Learning Support Cooperative Education 1.

MATHEMATICS DEPARTMENT

Course Descriptions

Four credits of mathematics in grades 9-12 are required for graduation. If a student maintains enrollment in Cumberland-Perry Vocational Technical School, three credits of mathematics are required for graduation.

Honors Sequence

Honors Algebra 2
 Honors Geometry
 Honors Trig / Precalculus
 AP Calculus AB
 AP Calculus BC
 AP Statistics

Academic Sequence A

Algebra 1
 Geometry
 Algebra 2
 Trigonometry
 Precalculus
 Calculus or Statistics

Academic Sequence B

Algebra 1
 Geometry
 Algebra 2
 Trigonometry or Statistics

Number	Course	Grade	Credit	Prerequisite
0015	Pre-Algebra	9	1.00	None
0020	Algebra 1	9	1.00	70% in 8 th grade Math or Pre-Algebra
0025	Geometry	9 – 10	1.00	70% in Algebra 1
0030	Honors Geometry	9 – 10	1.00	85% in Honors Algebra 2 or 93% in Algebra 1 or Algebra 2 and teacher approval
0035	Algebra 2	10 – 11	1.00	70% in Algebra 1
0040	Honors Algebra 2	9 – 11	1.00	93% in Algebra 1 and teacher approval
0046	Trigonometry	10 – 12	1.00	70% in Geometry and Algebra 2
0050	Honors Trig / Precalculus	11	1.00	85% in Honors Geometry or 93% in Geometry and teacher approval
0055	Precalculus	11 – 12	1.00	70% in Geometry and Algebra 2
0060	Calculus	11 – 12	1.00	85% in Honors Trig / Precalculus or 85% in Precalculus and teacher approval
0061	Advanced Placement Calculus AB	11 – 12	1.00	85% in Honors Trig / Precalculus or 93% in Precalculus and teacher approval
0065	Statistics	11 – 12	1.00	70% in Honors Algebra 2 or Algebra 2
0075	Advanced Placement Calculus BC	12	1.00	85% in AP Calculus AB or 93% in Calculus and teacher approval
0076	Advanced Placement Statistics	12	1.00	85% in Algebra 2 or 80% in Honors Algebra 2

0015 Pre-Algebra

Credit: 1.00

Semester: 1

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is designed to prepare a student for Algebra 1. Basic arithmetic skills are reviewed, but the primary focus of the course is the units dealing with equations, formulas, the coordinate plane, geometry and probability and statistics.

0020 Algebra 1

Credit: 1.00

Semesters: 1 - 2

Weight: 1.00

Prerequisite: 70% in 8th grade Math.

Areas of study include rational and irrational numbers, exponents, simplifying expressions, solving equations and inequalities, writing and graphing functions and analyzing linear models for two-variable data. Upon completion of this course, students will take the Keystone Algebra 1 exam.

0025 Geometry

Credit: 1.00

Semesters: 2 - 4

Weight: 1.00

Prerequisite: 70% in Algebra 1.

Geometry is designed to help the students better understand the nature of various geometric figures and their applications in the physical world. Using postulates, theorems and proofs, the student will increase the powers of inductive and deductive reasoning. Also, the course is designed to illustrate the structure of a mathematical system and the interdependence of Algebra and Geometry.

0030 Honors Geometry

Credit: 1.00

Semesters: 2 – 4

Weight: 1.05

Prerequisite: 85% in Honors Algebra 2 or 93% in Algebra 2 and teacher approval.

Honors Geometry is designed for those students in the honors mathematics sequence. The course will cover the topics of plane geometry, logic, introductory trigonometry and solid and coordinate geometry. Using postulates, theorems and proofs, the students will increase the powers of inductive and deductive reasoning.

0035 Algebra 2

Credit: 1.00

Semesters: 3 – 5

Weight: 1.00

Prerequisite: 70% in Algebra 1.

This is the second of two courses designed to reinforce and extend Algebra topics. Students will build upon topics from Algebra 1 with the study of quadratic equations, rational and inverse functions, transformation of functions and interpretation of data with probability and statistics.

0040 Honors Algebra 2

Credit: 1.00

Semesters: 1 – 2

Weight: 1.05

Prerequisite: 93% in Algebra 1 and teacher approval.

Honors Algebra 2 is designed for those students in the honors mathematics sequence. The course covers the following credits: inequalities, linear equations and functions, products and factors of polynomials, rational expressions, irrational and complex numbers, quadratic equations and logarithms.

0046 Trigonometry

Credit: 1:00

Semesters: 4 – 6

Weight: 1.00

Prerequisite: 70% in Geometry and Algebra 2.

This course introduces students to trigonometric topics with an emphasis on real-world applications. Topics include right triangle trigonometry, the unit circle and trigonometric wave functions. Laws and identities of trigonometry will also be covered and applied to a variety of real-world situations.

0050 Honors Trig / Precalculus

Credit: 1:00

Semesters: 3 – 6

Weight: 1.10

Prerequisite: 85% in Honors Geometry or 93% in Geometry and teacher approval.

The Honors Trig / Precalculus class is designed for those students in the honors mathematics sequence. The course includes a comprehensive study of trigonometric functions, identities and applications. Also included are systems of equations, polynomial and logarithmic equations and analytical geometry.

0055 Precalculus

Credit: 1:00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: 70% in Geometry and Algebra 2.

This course is designed to review and reinforce previous skills and information. The emphasis will be on a concise treatment of analytic geometry and an introduction to Calculus. Topics covered include set notation, algebra of functions, conics, limits, sequences and series, polar coordinates and concepts and methods of proof.

0060 Calculus

Credit: 1:00

Semesters: 4 – 8

Weight: 1.10

Prerequisite: 85% in Honors Trig / Precalculus or 85% in Precalculus and teacher approval.

This is a first-year college level course in calculus emphasizing problem solving, applications for science and engineering and proof work. Some selected topics are rate of functions, differentiations, applications of differentiations, integration and applications of integrals.

0061 AP Calculus AB

Credit: 1.00

Semesters: 4 – 8

Weight: 1.15

Prerequisite: 85% in Honors Precalculus or 93% in Precalculus and teacher approval.

This is a first-year college level course in calculus emphasizing problem solving, proof work and applications for science and engineering. Some selected topics are rate of functions, differentiation, applications of differentiation, integration and applications of integrals. Students completing this course are encouraged to take the Advanced Placement Calculus AB Exam.

0065 Statistics

Credit: 1.00

Semesters: 2 – 8

Weight: 1.00

Prerequisite: 70% in Honors Algebra 2 or Algebra 2.

Statistics is an elective for all students. Statistics is designed for students successfully completing Algebra 2. Topics include organizing data, measures of central tendency, probability, various distributions, statistical decision-making, testing hypotheses, estimating and various consumer related topics.

0075 AP Calculus BC

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 85% in AP Calculus AB or 93% in Calculus and teacher approval.

This course is designed for those students who have completed Calculus or AP Calculus AB. The course will reinforce those topics learned previously and prepare students for further study of parametric, polar and vector functions. Euler's method, improper integrals, polynomial approximations and series will also be emphasized. Students completing this course are encouraged to take the Advanced Placement Calculus BC exam.

0076 AP Statistics

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 85% in Algebra 2 or 80% in Honors Algebra 2.

This course is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. This course draws connections between all aspects of the statistical process, including design, analysis and conclusions. Additionally, this course will teach students how to communicate statistical methods, results and interpretations. Students completing this course are encouraged to take the Advanced Placement AP Statistics Exam in May.

MUSIC DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
0710	Band	9 – 12	1.00	Teacher approval
0711	Band / Chorus	9 – 12	1.00	Teacher approval
0715	Chorus	9 – 12	1.00	Teacher approval
0721	Music Theory 1	9 – 12	0.50	None
0722	Music Theory 2	9 – 12	0.50	Music Theory 1
0745	Guitar 1	9 – 12	0.50	None
0746	Piano / Keyboard	9 – 12	0.50	None
0747	Guitar 2	9 – 12	0.50	80% in Guitar 1 or teacher approval
0748	Voice Training	9 – 12	0.50	Teacher approval
0749	Theatre Arts 1	9 – 12	0.50	Teacher approval
0750	Music Technology	9 – 12	0.50	None

0710 Band *

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: Teacher approval.

The band gives the student the opportunity to learn and appreciate more advanced music through participation and performance. The band is open to all students in 9th, 10th, 11th and 12th grades who can meet specified requirements on their instruments. Music by different composers from various periods of musical history is studied. Individual and small group instrumental lessons are scheduled. The band program consists of two required components: concert band and marching band. Membership in jazz band or other small ensembles is contingent upon membership in the band program.

* This course number is for students who are in band only.

0711 Band / Chorus **

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

** This course number is for students enrolling in both band and chorus.

0715 Chorus ***

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: Teacher approval.

The chorus sings choral arrangements of a more advanced level. Members can help plan and execute performances as soloists and as a group. Vocal screening to determine voice placement in the chorus will be done. Previous experience is not necessary to audition. Membership in the concert choir or other small ensembles is contingent upon membership in the chorus program.

*** This course number is for students who are in chorus only.

0721 Music Theory 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Skill building for the performer / composition student - A study in the fundamentals of music, sight singing, ear training and how they are applied in various musical styles as a performer and composer. Students are also introduced to basic four-part writing techniques.

0722 Music Theory 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.00

Prerequisite: Completion of Music Theory 1.

Advanced skill building for the performer / composition student – Students will study more advanced four-part writing techniques, sight singing, and ear training and will apply these skills in writing several musical projects.

0745 Guitar 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is for the student who is interested in exploring playing the guitar as a hobby or a more experienced musician who would like to broaden their musical experience by learning how to play the guitar.

0746 Piano / Keyboard

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is for students who are interested in exploring playing the piano as a hobby or performing musicians who would like to broaden their musical experience by learning how to play the piano. In addition to piano technique, students will gain a better understanding of music theory as theoretical concepts are applied to the keyboard. This course would be taught in the musical keyboard lab in the Yellow Breeches Middle School.

0747 Guitar 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.00

Prerequisite: 80% in Guitar 1 or teacher approval.

This course is designed to continue the applications studied in Guitar 1. New concepts discussed in Guitar 2 will include movable bar chords, playing second position and how these techniques are used in different styles of guitar playing. Additional topics will include chord construction and guitarist profiles.

0748 Voice Training

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: Teacher approval.

This course is designed to be inclusive for experienced as well as novice singers. For novice singers, the course would introduce finer concepts of the voice and its proper use in singing. Tone, blend, diction, breathing, and many other topics would be covered. This course is a natural first step for novice singers who wish to be a part of the Chorus, but are not yet on par with the expected level / ability. For the more advanced student, this course would provide a forum to work on more complex singing styles and music through use of Smart Music software and other more independent assignments.

0749 Theatre Arts 1

Credit: 0.50

Semesters: 2 – 8

Weight: 1.00

Prerequisite: Teacher approval.

This course provides students with a survey of the theatre arts, allowing students opportunities to experience and appreciate musical theatre and dramatic literature and participate in the creative processes of performance and production. The course emphasizes skill development and provides theatrical opportunities that enable students to determine personal areas of interest. This course will fulfill the graduation requirement for a credit in fine and practical arts.

0750 Music Technology

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course provides students with a basic understanding of compositional structure, instrument and digital recording, understanding the piano keyboard, editing, mixing and arranging music using a digital workstation. Students will learn the basics using Pro Tools, GarageBand other DAW (digital audio workstation) programs. During the course, students will be exposed to the art of beat making, remixing, sampling, live recording and sound manipulation. Students will begin initial discovery in the concepts of arranging, mixing, mastering and creating loops.

0751 American Music History

Credit: 0.50

Semesters 1 – 8

Weight 1.00

Prerequisite: There is no prerequisite for this course.

This course explores popular music in the United States including its history through the decades, different styles, influential artists and genres. Students will examine the characteristics of popular music, develop listening skills, identify key musical features and study the cultural and historical context of American popular music.

SCIENCE DEPARTMENT

Course Descriptions

Honors Sequence

Honors Earth Science
 Honors Chemistry
 Honors Biology
 Honors Physics
 (4.00 credits)

Academic Sequence

Biology
 Earth Science
 Chemistry
 Physics
 (4.00 credits)

General Sequence

Biology
 Earth Science
 Physical Science
 (3.00 credits)

The course sequences above reflect the most common pathways that students use to advance through the science curriculum. The classes may be taken out of sequence as long as the student meets the prerequisite(s). Students do not complete a chemistry course before they take a physics course. Additionally, students are not required to adhere to a particular sequence. For example, a student that takes Biology in 9th grade can choose to take Honors Earth Science in 10th grade. Students in Honors Biology do have to take Honors Physics.

Science Electives

Number	Course	Grade	Credit	Prerequisite(s)
0115	Advanced Topics in Geo-Environmental Science (not an AP course)	11 – 12	1.00	1) 80% in Honors Chemistry or 85% in Chemistry 2) 80% in Honors Biology or 85% in Biology
0135	Advanced Placement Chemistry	11 – 12	1.00	90% in Honors Chemistry or 96% in Chemistry
0143	Anatomy and Physiology	11 – 12	0.50	85% in Honors Biology or 93% in Biology
0155	Advanced Placement Biology	11 – 12	1.00	1) 85% in Honors Chemistry or 96% in Chemistry 2) 85% in Honors Biology or 96% in Biology
0167	College in the High School: General Physics 1	11 – 12	1.00 *	85% in Honors Trig / Precalculus or 93% in Trigonometry

* Students may also earn 4.00 credits through Harrisburg University for the CHS: General Physics 1 course.

Honors Science Sequence

Number	Course	Grade	Credit	Prerequisite(s)
0105	Honors Earth Science	9	1.00	1) 93% in 7th grade Life Science 2) 93% in 8th grade Physical Science
0130	Honors Chemistry	10	1.00	1) 85% in Honors Algebra 2 or 93% in Algebra 2 2) 85% in Honors Earth Science or 93% in Earth Science
0145	Honors Biology	11	1.00	85% in Honors Chemistry or 93% in Chemistry
0165	Honors Physics	12	1.00	1) 85% in Honors Algebra 2 or 93% in Algebra 2 2) 85% in Honors Geometry or 93% in Geometry

Academic Science Sequence

Number	Course	Grade	Credit	Prerequisite
0140	Biology	9	1.00	None
0100	Earth Science	10	1.00	None
0125	Chemistry	11	1.00	85% in Algebra 2
0160	Physics	12	1.00	85% in Algebra 2

General Science Sequence

Number	Course	Grade	Credit	Prerequisite
0140	Biology	9	1.00	None
0100	Earth Science	10	1.00	None
0175	Physical Science	11 – 12	1.00	None

Students that pass Physical Science may elect to take Chemistry or Physics as an elective.

0100 Earth Science

Credit: 1.00

Semesters: 3 – 4

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Earth Science is designed to give students an emphasis on observable conditions of the earth and space in order to prepare them for an understanding of the theories and processes of the Earth-Space System. Throughout the course, group work is emphasized as well as individual growth toward understanding the earth and universe and the relationships that exist between each. Subject content includes geology, meteorology, oceanography and astronomy. A background of basic math and physical science is needed.

0105 Honors Earth Science

Credit: 1 .00

Semesters: 1 – 4

Weight: 1.05

Prerequisites: 1) 93% in 7th grade Life Science
2) 93% in 8th grade Physical Science

This course is offered to those students who have a keen interest and possible plans for majoring in the sciences. Areas of emphasis include detailed studies in geology, meteorology, astronomy, oceanography and other selected topics as time permits. A background in Algebra 1 is recommended. Students are required to complete a research paper or a science project.

0115 Advanced Topics in Geo-Environmental Science

Credit: 1.00

Semesters: 5 – 8

Weight: 1.10

Prerequisites: 1) 80% in Honors Chemistry or 85% in Chemistry
2) 80% in Honors Biology or 85% in Biology

The main goal of this course is to have students develop an appreciation and respect for the natural environment. The way that is accomplished is through examination of the physical, chemical, geological and biological factors that make the earth a unique planet with many different living things thriving on it. Emphasis is placed on humankind's role in the disruption of the earth resulting in endangerment and possible extinction of species, the consumption of resources, overpopulation, air and water pollution and the destruction of ecosystems. The ultimate goal in this class is to lead students toward designing and implementing workable solutions to help correct negative environmental issues. A completed science project or research paper is required sometime during the course.

0125 Chemistry

Credit: 1.00

Semesters: 3 – 7

Weight: 1.05

Prerequisite: 85% in Algebra 2.

The fundamentals of chemistry are taught with laboratory work designed to enhance the topic(s) being discussed at that time. Related topics, such as the history of science and industrial and business applications will be included.

0130 Honors Chemistry

Credit: 1.00

Semesters: 3 – 8

Weight: 1.10

Prerequisites: 1) 85% in Honors Algebra 2 or 93% in Algebra 2
2) 85% in Honors Earth Science or 93% in Earth Science.

This course is designed for students seeking an academic challenge who may be interested in applying to highly selective colleges or who may be interested in attending any college with the intent of pursuing a major in a science-related field. Significant emphasis is paid to solving abstract problems in innovative ways. The class provides thorough instruction in the fundamentals of theoretical chemistry. Significant lab work related to instruction which include the writing of open-ended lab reports is required. Students will complete a self-directed inquiry-based capstone project requiring independent development of multi-step lab practice and data analysis procedures.

0135 AP Chemistry

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 90% in Honors Chemistry or 96% in Chemistry or teacher approval.

Advanced Placement Chemistry is designed to present a college-level chemistry course in the high school setting. The course is to enrich and enhance material learned in a previous chemistry class and to introduce new, higher-order topics that are discussed during the first-year chemistry class at the university level. This course is designed for those students seeking a scientific degree at a four-year post-secondary institution and/or enrollment at highly selective post institution. While it is possible to earn college credit for successful completion of the AP Chemistry Exam, earning such credit will require the significant and enduring commitment beyond what is needed for successful completion of the course. Further, the awarding of college credit is highly dependent on the institution into which the student matriculates. We will be building on the information learned in previous science and chemistry courses. There will be ample opportunity for laboratory work, as the nature of the first-year college course has a separate laboratory section.

0140 Biology

Credit: 1.00

Semesters: 1 – 2

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Major emphasis will be placed on selected topics in biology that will help develop the skills, abilities and knowledge necessary for the students to function as informed members of society upon graduation from high school. Topics to be investigated include human anatomy and physiology, human genetics and heredity and the relationship of humankind with its environment.

0143 Anatomy and Physiology

Credit: 0.50

Semesters: 5 - 8

Weight: 1.00

Prerequisite: 85% in Honors Biology or 93% in Biology.

This elective course is offered to students who have interest in further studying Anatomy and Physiology past their studies in the Honors Biology course. This course is wet-lab and project based as students will complete labs / dissections and / or a project for each unit. Areas of emphasis include detailed studies of Virology, Immune, Endocrine, Muscular, Digestive, Cardiovascular, Respiratory, and Urinary Systems. This course compliments both the Honors and AP Biology courses as it builds upon the Honors Biology concepts and extends into some units of study for AP Biology.

0145 Honors Biology

Credit: 1.00

Semesters: 5 – 6

Weight: 1.10

Prerequisite: 85% in Honors Chemistry or 93% in Chemistry.

This course is offered to those students who have possible plans of majoring in the sciences and / or math when attending college. This course follows Honors Chemistry in the Honors Science sequence. Areas of emphasis include detailed studies of Biochemistry, Molecular Genetics, Cytology, Genetics, Anatomy & Physiology and Ecology & Population Genetics / Evolution. This course is strongly recommended for those students who want to enroll in AP Biology as AP Biology is simply a continuation of the Honors Biology course. Students are required to complete a research paper on a controversial life science topic.

0155 AP Biology

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisites: 1) 85% in Honors Chemistry or 93% in Chemistry
2) 85% in Honors Biology or 93% in Biology
3) Successful completion of the Biology Keystone Exam

A challenging college level course offered to high school students who have successfully completed Honors Biology and wish to expand their knowledge of the biological sciences. This course is built around 4 big ideas and the enduring understandings as outline by the College Board. We will build upon the knowledge of the Honors Biology units of study: Cytology, Molecular Genetics, Mendelian Genetics, Cell Communications, Animal Form and Function, Cellular Energetics (cell respiration and photosynthesis), Population Genetics, Ecology & Evolution, Plant Form and Function and Biochemistry & Metabolism. Students will successfully complete a variety of wet lab experiments as well as a number of computer assisted simulations of labs experiments using Biology Labs Online. This course serves students who wish to pursue college level studies while still in high school, with the possibility of receiving college credit and/or advanced placement upon entering college. Students successfully completing this course will be well prepared to take the AP Exam as well as being thoroughly ready to compete with their peers in any freshman level college courses.

0160 Physics

Credit: 1.00

Semesters: 5 – 8

Weight: 1.05

Prerequisite: 85% in Algebra 2.

This course is for students that plan to further their education after high school but they will not have to take physics at the college level. The course is structured to provide students with a basic understanding of physics in everyday life. The concepts and explanations will be directed towards the non-science-oriented student. The course covers a wide variety of physics topics, but students will only be introduced to the basics of each topic. Laboratory experiments will be provided to enhance and expand on the student's understanding of the topics.

0165 Honors Physics

Credit: 1.00

Semesters: 5 – 8

Weight: 1.10

Prerequisites: 1) 85% in Honors Algebra 2 or 93% in Algebra 2
2) 85% in Honors Geometry or 93% in Geometry.

This course is for students that plan to further their education after high school, and their intended major may require them to take physics at the college level. This includes students that plan to major in any science, medicine, math, or computer science. The course is structured to provide students with a foundation for an introductory college physics course. Laboratory experiments will be provided to enhance and expand the student's understanding of the topics.

0167 College in the High School: General Physics 1

Credit: 1.00 (BSHS) and 4.00 (HU)

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 85% in Honors Trig / Precalculus or 93% in Trigonometry

Harrisburg University (HU) charges a fee of \$100 per credit (\$400 for the course). The amount may change at the discretion of HU. The fee only applies if a student wants to earn college credit for the course. Students may take the course for high school credit only without paying a fee.

This course is based off the General Physics 1 course at Harrisburg University (PHYS 120). It introduces students to classical Newtonian mechanics. The topics will include kinematics in one and two dimensions, vectors, circular motion, rotational motion, forces, Newton's laws of motion, torque, energy, work, power, linear momentum, angular momentum, and simple harmonic motion. Emphasis is placed on the application of basic concepts through mathematical problem-solving. Students will complete laboratory experiments to enhance and expand the student's understanding of the material. The content is aligned for students that plan to major in physics, engineering, chemistry, math, or computer science. The college credits may benefit any prospective college student since it would most likely count towards the science component of general education requirements. While this is not a calculus-based course, the applications of elementary differential and integral calculus are introduced. If HU changes their curriculum to a calculus-based course, the prerequisite would also have to change: an 85% in AP Calculus AB or a 93% in Calculus.

0175 Physical Science

Credit: 1.00

Semesters: 5 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This course is required of any student who does not elect to take both chemistry and physics. The course will focus on key concepts and principles in the chemical and physical sciences. Emphasis will be placed on real life, practical applications of these concepts to the student's everyday experiences as an adult in today's ever-changing society. Students that have already passed either Chemistry or Physics may not elect to take physical science.

SOCIAL STUDIES DEPARTMENT

Course Descriptions

Advanced Placement Social Studies Sequence

Number	Course	Grade	Credit	Prerequisite
0228	Advanced Placement Human Geography	9 - 10	1.00	Social Studies Department Chair approval or teacher approval
0232	Advanced Placement United States History	11 – 12	2.00	85% in AP Human Geography
0238	Advanced Placement United States Government and Politics	12	1.00	85% in AP U.S. History, Honors U.S. History 3 or Honors World History 3 or 93% in U.S. History 3 or World History 3
0241	Advanced Placement Psychology	11 – 12	1.00	85% in an Advanced Placement class or 93% average in high school English

Honors Social Studies Sequence

Number	Course	Grade	Credit	Prerequisite
0205	Honors Modern History 1 (1890 – 1960)	9	1.00	None
0215	Honors United States History 3 (1950 – present)	10	1.00	85% in Honors U.S. History 2 or Honors World History 3 or 93% in U.S. History 2 or World History 3
0225	Honors World History 3 (1900 – present)	11	1.00	85% in Honors U.S. History 2 or Honors U.S. History 3 or 93% in U.S. History 2 or U.S. History 3
0235	Honors Government / Economics	12	1.00	85% in Honors U.S. History 3 or Honors World History 3 or 93% in U.S. History 3 or World History 3

AP Human Geography, AP U.S. History and AP U.S. Government and Politics can be substituted to meet the graduation requirement for Honors Modern History 1 and Honors Government / Economics.

Academic Social Studies Sequence

Number	Course	Grade	Credit	Prerequisite
0200	Modern History 1	9	1.00	None
0210	United States History 3	10	1.00	70% in U.S. History 2
0220	World History 3	11	1.00	70% in U.S. History 2 or U.S. History 3
0230	Government / Economics	12	1.00	70% in U.S. History 3 or World History 3
0240	Psychology	11 – 12	0.50	None
0245	Sociology	11 – 12	0.50	None

0200 Modern History 1

Credit: 1.00

Semesters: 1 – 2

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This semester long course covers a broad range of historical topics related to the development of the modern world in which we live. This course begins with the development of the United States and progresses through historical periods leading to our present-day globalized and inter-connected environment. The course topics include, Industrialization, Imperialism, World War 1 and the Russian Revolutions, the 1920's Jazz Age, the Great Depression and New Deal, the Rise of Dictators in Europe, World War 2, and the Cold war and 1950's Affluent Society

0205 Honors Modern History 1

Credit: 1.00

Semesters: 1 – 2

Weight: 1.05

Prerequisite: There is no prerequisite for this course.

Honors Modern History 1 is designed for those students in the honors social studies sequence. This semester long course covers a broad range of historical topics related to the development of the modern world in which we live. This course begins with the development of the United States and progresses through historical periods leading to our present-day globalized and inter-connected environment. The course topics include, Industrialization, Imperialism, World War 1 and the Russian Revolutions, the 1920's Jazz Age, the Great Depression and New Deal, the Rise of Dictators in Europe, World War 2, and the Cold war and 1950's Affluent Society

0210 U.S. History 3

Credit: 1.00

Semesters: 3 – 4

Weight: 1.00

Prerequisite: 70% in U.S. History 2.

This course deals with the 20th Century America beginning in the post-World War II era. The course encompasses the major political, economic and social events that have shaped America as it is presently. Topics covered include the Cold War, Vietnam Era, Civil Rights, Conservative Revolution and Modern Politics.

0215 Honors U.S. History 3

Credit: 1.00

Semesters: 3 – 4

Weight: 1.05

Prerequisite: 85% in Honors U.S. History 2 or 93% in U.S. History 2.

Honors U.S. History 3 is designed for those students in the honors social studies sequence. This course deals with the 20th Century America beginning in the post-World War II era. The course encompasses the major political, economic, and social events that have shaped contemporary America society. Topics covered include the Cold War, Vietnam Era, Civil Rights, Conservative Revolution, and Modern Politics.

0220 World History 3

Credit: 1.00

Semesters: 5 – 6

Weight: 1.00

Prerequisite: 70% in U.S. History 3.

The World History course is designed to foster a greater understanding of the evolution of global processes and contacts in different types of human societies from 1750 to the present using balanced global coverage. In addition, students will explore current topics in global affairs and connect them to their historical antecedents.

0225 Honors World History 3

Credit: 1.00

Semesters: 5 – 6

Weight 1.10

Prerequisite: 85% in Honors U.S. History 3 or 93% in U.S. History 3.

The Honors World History course is designed to foster a greater understanding of the evolution of global processes and contacts in different types of human societies from 1750 to the present using balanced global coverage. In addition, students will explore current topics in global affairs and connect them to their historical antecedents.

0228 AP Human Geography

Credit: 1.00

Semesters: 1 – 6

Weight: 1.15

Prerequisite: Social Studies Department Chair or teacher approval.

Explore how humans have understood, used and changed the surface of the Earth. Students will use the tools and thinking processes of geographers to examine patterns of human population, migration and land use. Students will learn to connect geographic concepts and processes to real-life scenarios, understand information shown in maps, tables, charts, graphs, infographics, images, and landscapes. In addition, students will see patterns and trends in data and in visual sources such as maps and draw conclusions from them and understand spatial relationships using geographic scales.

0230 Government / Economics

Credit: 1.00

Semesters: 7 – 8

Weight: 1.00

Prerequisite: 70% in U.S History 3 or World History 3.

This course introduces students to the different types of governmental philosophies and concepts and terminology necessary for understanding of any government / economic system. After the student has learned the basic concepts, he / she will apply those concepts to our system of capitalism, the office of the President and the governmental system and how the American system of government and economics compares in the international community.

0232 AP United States History

Credit: 2.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 85% in AP Human Geography.

Advanced Placement United States History is a year-round course and will count for 2.00 history credits. It is designed for students who have already taken an AP level Social Studies course and wish to continue taking the most rigorous American History course offered. AP U.S. History is a college-level survey course that focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past.

0235 Honors Government / Economics

Credit: 1.00

Semesters: 7 – 8

Weight: 1.10

Prerequisite: 85% in Honors World History 3 or 93% in World History 3.

This course introduces students to the different types of governmental philosophies and concepts and terminology necessary for understanding of any government / economic system. After the student has learned the basic concepts, he / she will apply those concepts to our system of capitalism, the office of the President, and the governmental system and how the American system of government and economics compares to the international community.

0238 AP U.S. Government and Politics

Credit: 1.00

Semesters: 7 -8

Weight: 1.15

Prerequisite: 85% in AP U.S. History, AP Human Geography or Honors World History 3 or 93% in World History 3.

Advanced Placement Government is designed for those students wishing to take the most rigorous government course available at the high school. AP Government is the equivalent of a college-level survey course in United States Government. The course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples.

0240 Psychology

Credit: 0.50

Semesters: 5– 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

The Psychology course is a junior and senior level course where students will learn to examine the behavioral and mental processes that make up an individual. The course covers individual's behavior, mental state, perceptions, learning processes, feelings, ability to remember, intelligence, development, defense mechanisms and therapy. Students will learn that the subject of Psychology is a study of themselves.

0241 AP Psychology

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: 85% in an advanced placement class or 93% average in high school English

Advanced Placement Psychology is designed for those students in the honors social studies sequence. AP Psychology is the equivalent of a college-level survey course in Psychology. The purpose of the course is to introduce students to the systemic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

0245 Sociology

Credit: 0.50

Semesters: 5 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

The Sociology course is a junior and senior level course designed to teach the students about how groups of individuals function within society. Concepts such as how people's lives are influenced by their environment, group dynamics, interaction, social disorder, perceptions of life that have changed throughout the years and other social issues will be addressed.

TECHNOLOGY EDUCATION DEPARTMENT

Course Descriptions

Number	Course	Grade	Credit	Prerequisite
0846	Photography 1	9 – 12	0.50	None
0847	Photography 2	9 – 12	0.50	85% in Photography 1 or teacher approval
0905	Graphic Communication 1	9 – 12	0.50	None
0906	Graphic Communication 2	9 – 12	0.50	85% in Graphic Communication 1 or teacher approval
0910	Introduction to Engineering Design	9 – 12	0.50	None
0915	Robotics	9 – 12	0.50	85% in Introduction to Engineering Design or teacher approval
0916	Engineering Design 2	9 – 12	0.50	85% in Introduction to Engineering Design or teacher approval
0917	Architectural Design 1	9 – 12	0.50	None
0918	Architectural Design 2	9 – 12	0.50	85% in Architectural Design 1 or teacher approval
0925	Woodworking Technologies 1	9 – 12	0.50	None
0926	Woodworking Technologies 2	9 – 12	0.50	85% in Woodworking Technologies 1 or teacher approval
0928	Computer Numerical Control	9 – 12	0.50	85% in Woodworking Technologies 1 or teacher approval
0930	Metalworking Technologies 1	9 – 12	0.50	None
0931	Metalworking Technologies 2	9 – 12	0.50	85% in Metalworking Technologies 1 or teacher approval

0846 Photography 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Photography 1 is a project-based introduction to digital photography. The course is designed to teach students the basics of photography, including camera functions, photographic composition, basic editing techniques and print evaluation. Students will utilize a variety of web applications and software with the emphasis being on the production of quality photographs. By the completion of the course, each student will have produced a portfolio of their work.

Students may purchase an SD card from the course instructor or provide their own.

0847 Photography 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% Photo 1 or teacher approval.

Photography 2 is an advanced course where students will further their knowledge in the field of photography. Students are required to have previously completed Photography 1 and should be comfortable with the use of a Digital Camera (DSLR) in Manual Mode. The course is designed to allow students the freedom to experiment with their photography skills; including, but not limited to, camera functions, composition, lighting, motion, depth of field, advanced editing techniques, matting and print evaluation. While emphasis is placed on photography skills, students will have the opportunity to create prints and present them in a professional manner.

Students may purchase an SD card from the course instructor or provide their own.

0905 Graphic Communications 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Graphic communications is also known as graphic design. Graphic designers are visual communicators who create visual concepts. This course provides students with an overview of graphic communication technologies. Students learn and apply the fundamentals of various software applications (focusing on the Adobe Creative Suite). They will communicate ideas to inspire, inform or captivate consumers through both physical and virtual art forms that include images, words and graphics. Image editing, design elements, printing/product creation, file management and digital organization will be part of the course experience.

Students will be required to pay a lab fee for materials used in this course.

0906 Graphic Communications 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Graphic Communications 1 or teacher approval.

Graphic Communications 2 will provide students the opportunity to advance their knowledge acquired in Graphic Communications 1 course. Students will use contemporary resources, materials and processes with an emphasis on computer applications that are relative to the field of Graphic Communication. The Adobe Creative Suite: Photoshop, InDesign and Illustrator will be used to create projects. Possible projects include screen printing, vinyl decals, glass etching, sublimation, promotional advertisements and much more.

Students will be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the student selects for their project.

0910 Introduction to Engineering Design

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

This is an introductory course for students who are interested in learning about engineering design and its applications. Students will learn the engineering design process, technical drawing, software basics and current technologies. This is a project-based course where students will be completing various hands-on activities. Projects will incorporate 3D Modeling software, 3D Printing, Electronics and Laser Engraving applications. Students will be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the student selects for their project.

0915 Robotics

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Introduction to Engineering Design (previous course name Engineering and Design) or teacher approval.

This course is designed for students who are interested in the design, engineering, coding and programming of robots. Students will have the opportunity to work in teams to create prototypes, test, analyze and refine their robots to complete various challenges. Projects will consist of basic robot construction, electronics and programming / coding for robotic control through hands-on activities. We will be using the Raspberry Pi platform with the Python programming language. Students may be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the student selects for their project.

0916 Engineering Design II

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Introduction to Engineering Design (previous course name Engineering and Design) or teacher approval.

In this course, students will have the opportunity to further apply what they learned in introduction to Engineering Design. Students will identify real world problems and evaluate solutions that meet human needs and wants. The project will incorporate research, design, prototyping, testing, analyzing and refining will be the focus of this course. Students will complete hands-on activities with tools, materials, processes, technical drawings and prototypes. Students may be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the students / class select for their project.

0917 Architectural Design 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Architectural Design students will work from an existing sketch plan and develop professionally detailed floor plans, elevations and construction detail drawings. Both the history of residential architecture and specific architectural drafting skills will also be covered. All final drawings will be produced with architectural drawing software. Students will also participate in some hands-on construction activities to experience the application of their drawings.

0918 Architectural Design 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Architectural Design or teacher approval.

Architectural Design 2 is a continuation of Architectural Design 1. Students are to have previously completed Architectural Design 1 and are comfortable with using Chief Architect for designing. The course is designed to allow students to experiment with their architectural and design skills to create custom designs and models. Students will develop electrical plans, perspectives (interior and exterior), a plot plan and a model of the project residence.

0925 Woodworking Technologies 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Woodworking Technologies 1 is an introduction to woodworking, providing instruction on the proper, safe use of woodworking tools, power machines and materials. Students will be given the opportunity to plan, construct, and finish projects in wood.

Students will pay for materials used in this course. The cost can range from \$30 - \$150 depending on the project student selects.

0926 Woodworking Technologies 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Woodworking Technologies 1 or teacher approval.

This course will include a review of skills taught in Woodworking Technologies 1 with further instruction on design and more advanced machine operations. The emphasis will be on the planning and construction of fine furniture or cabinetry.

Students will be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the student selects for their project.

0928 Computer Numerical Control

Credit: 0.50

Semesters 3 – 8

Weight: 1:05

Prerequisite: 85% in Woodworking 1 or teacher approval.

Computer Numerical Control (CNC) is a second level option to Woodworking Technologies 1, where students will learn the industry standards associated with the manufacturing of nonmetallic products. This course introduces the concepts and capabilities of computer numerical control machine tools such as CNC router, 3D printer, CNC laser and CNC plasma cutter. Topics include setup, operation and basic applications. Upon completion, students should be able to explain operator safety, machine protection, data input, program preparation and program storage.

Students will be required to pay a lab fee for materials in this course. Fees for material will vary depending on what the student selects for their project.

0930 Metalworking Technologies 1

Credit: 0.50

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

Metalworking Technologies 1 is intended to provide students with an overview of the metalworking industries and the technologies that they use. Areas covered include foundry, sheet metal, forging and various welding processes. In addition, students will be given the opportunity to demonstrate an understanding of traditional power equipment and tools used in metalworking. After completing the required projects, the students will have the opportunity to work on personal projects. The unique safety requirements of the metal industries will be emphasized.

Students will be required to pay a lab fee for materials used in this course.

0931 Metalworking Technologies 2

Credit: 0.50

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 85% in Metalworking Technologies 1 or teacher approval.

This course will provide a review of areas covered in Metalworking Technologies 1 with additional instruction on machine operations, including the metal lathe and milling machine. Students will have the opportunity to design and construct projects utilizing the facilities available in the metal lab.

Students will be required to pay a lab fee for materials in this course. Fees for materials will vary depending on what the student selects for their project.

WORLD LANGUAGES DEPARTMENT

Course Descriptions

Academic Sequence

French:

French 1
French 2
French 3

Spanish:

Spanish 1
Spanish 2
Spanish 3

Honors Sequence

French:

Honors French 2
Honors French 3
Honors French 4

Spanish:

Honors Spanish 2
Honors Spanish 3
Honors Spanish 4

Advanced Placement Sequence

French:

AP French Language and Culture

Spanish:

AP Spanish Language and Culture
Honors Spanish 6

French

Number	Course	Grade	Credit	Prerequisite
0300	French 1	9 – 12	1.00	None
0305	French 2	9 – 12	1.00	French 1 or 80% in middle level French
0310	Honors French 2	9 – 12	1.00	93% in French 1
0315	French 3	9 – 12	1.00	French 2
0320	Honors French 3	9 – 12	1.00	93% in French 2 or 85% in Honors French 2
0325	Honors French 4	10 – 12	1.00	93% in French 3 or 85% in Honors French 3
0330	Advanced Placement French Language and Culture	10 – 12	1.00	85% in Honors French 4

Spanish

Number	Course	Grade	Credit	Prerequisite
0335	Spanish 1	9 – 12	1.00	None
0340	Spanish 2	9 – 12	1.00	Spanish 1 or 80% in middle level Spanish
0341	Honors Spanish 2	9 – 12	1.00	93% in Spanish 1
0350	Spanish 3	9 – 12	1.00	Spanish 2
0351	Honors Spanish 3	9 – 12	1.00	93% in Spanish 2 or 85% in Honors Spanish 2
0355	Honors Spanish 4	10 – 12	1.00	93% in Spanish 3 or 85% in Honors Spanish 3
0360	Advanced Placement Spanish Language and Culture	10 – 12	1.00	85% in Honors Spanish 4
0366	Honors Spanish 6	11 – 12	1.00	85% in AP Spanish

All World Language courses are aligned to the ACTFL World-Readiness Standards for Language Learning. Each course provides continued practice in the development of proficiency in the five goal areas:

1. **Communication:** Communicate effectively in more than one language in order to function in a variety of situations and for multiple purposes.
2. **Cultures:** Interact with cultural competence and understanding.
3. **Connections:** Connect with other disciplines and acquire information and diverse perspectives in order to use the language to function in academic and career-related situations.
4. **Comparisons:** Develop insight into the nature of language and culture in order to interact with cultural competence.
5. **Communities:** Communicate and interact with cultural competence in order to participate in multilingual communities at home and around the world.

0300 French 1

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

0305 French 2

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: French I or 80% in middle level French.

0310 Honors French 2

Credit: 1.00

Semesters: 1 – 8

Weight: 1.05

Prerequisite: 93% in French 1 or 93% in middle level French or teacher approval.

Honors world language courses challenge students beyond the regular curriculum by moving at a faster pace, expecting a greater degree of proficiency, and maintaining more rigorous standards for language production both inside and outside the classroom. See the World Language Department webpage for further details on honors courses.

0315 French 3

Credit: 1.00

Semesters: 2 – 8

Weight: 1.00

Prerequisite: French 2.

0320 Honors French 3

Credit: 1.00

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 93% in French 2 or 85% in Honors French 2 or teacher approval.

Honors world language courses challenge students beyond the regular curriculum by moving at a faster pace, expecting a greater degree of proficiency, and maintaining more rigorous standards for language production both inside and outside the classroom. See the World Language Department webpage for further details on honors courses.

0325 Honors French 4

Credit: 1.00

Semesters: 3 – 8

Weight: 1.10

Prerequisite: 93% in French 3 or 85% in Honors French 3 or teacher approval.

Honors French 4 challenges students by assuming a control of previously studied concepts, expecting a greater degree of proficiency and maintaining rigorous standards for language production both inside and outside the classroom.

It is recommended that students enroll in Honors French 4 in the fall semester and AP French Language in the spring semester of the same academic year for maximum instruction in the target language prior to the AP exam.

0330 AP French Language and Culture

Credit: 1.00

Semesters: 4 – 8

Weight: 1.15

Prerequisite: 85% in Honors French 4 or teacher approval.

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies and cultural awareness. The course develops students' awareness and appreciation of cultural products, practices and perspectives (description from College Board).

Students in this class are encouraged to take the AP French Language exam in May.

0335 Spanish 1

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: There is no prerequisite for this course.

0340 Spanish 2

Credit: 1.00

Semesters: 1 – 8

Weight: 1.00

Prerequisite: Spanish I or 80% in middle level Spanish.

0341 Honors Spanish 2

Credit: 1.00

Semesters: 1 – 8

Weight: 1.05

Prerequisite: 93% in Spanish 1 or 93% in middle level Spanish or teacher approval.

Honors world language courses challenge students beyond the regular curriculum by moving at a faster pace, expecting a greater degree of proficiency and maintaining more rigorous standards for language production both inside and outside the classroom. See the World Language Department webpage for further details on honors courses.

0350 Spanish 3

Credit: 1.00

Semesters: 2 – 8

Weight: 1.00

Prerequisite: Spanish 2.

0351 Honors Spanish 3

Credit: 1.00

Semesters: 2 – 8

Weight: 1.05

Prerequisite: 93% in Spanish 2 or 85% in Honors Spanish 2 or teacher approval.

Honors world language courses challenge students beyond the regular curriculum by moving at a faster pace, expecting a greater degree of proficiency, and maintaining more rigorous standards for language production both inside and outside the classroom. See the World Language Department webpage for further details on honors courses.

0355 Honors Spanish 4

Credit: 1.00

Semesters: 3 – 8

Weight: 1.10

Prerequisite: 93% in Spanish 3 or 85% in Honors Spanish 3 or teacher approval.

Honors Spanish 4 challenges students by assuming a control of previously studied concepts, expecting a greater degree of proficiency and maintaining rigorous standards for language production both inside and outside the classroom.

It is recommended that students enroll in Honors Spanish 4 in the fall semester and AP Spanish Language in the spring semester of the same academic year for maximum instruction in the target language prior to the AP exam.

0360 AP Spanish Language and Culture

Credit: 1.00

Semesters: 4 – 8

Weight 1.15

Prerequisite: 85% in Honors Spanish 4 or teacher approval.

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies and cultural awareness. The course develops students' awareness and appreciation of cultural products, practices and perspectives (description from College Board).

Students in this class are encouraged to take the AP Spanish Language exam in May.

0366 Honors Spanish 6

Credit: 1.00

Semesters: 5 – 8

Weight: 1.10

Prerequisite: 85% in AP Spanish Language and Culture or teacher approval.

This class, paired with the AP course, provides students with further practice in the six AP cultural themes. Students will continue to develop oral and written interpersonal, interpretive and presentational communication skills while studying the Hispanic culture in preparation for college-level Spanish courses.

AP CAPSTONE

Course Descriptions

AP Capstone is a diploma Program from the College Board. It is based on two yearlong AP courses: AP Seminar and AP Research. These courses develop students' skills in research, analysis, evidence-based arguments, collaboration, writing and presenting. Students who complete the two-year program can earn one of two different AP Capstone awards, which are valued by colleges across the United States and around the world. (description from College Board).

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research, but not on four additional AP Exams, receive the AP Seminar and Research Certificate. (description from College Board).

0001 AP Seminar

Credit: 1.00

Semesters: 3 – 8

Weight: 1.15

Prerequisite: There is no prerequisite for this course. The student must speak with their counselor.

Students choose and evaluate complex topics through multiple lenses: identify credibility and bias in sources and develop arguments in support of a recommendation. AP Seminar is a project-based learning course. Official AP Seminar assessments include research reports, written arguments and presentations completed during the academic year. Students complete the course by taking an end-of-course written exam in May.

0002 AP Research

Credit: 1.00

Semesters: 5 – 8

Weight: 1.15

Prerequisite: Successful completion of AP Seminar.

Students design, execute, present and defend a yearlong research-based investigation on a topic of individual interest. They build on skills developed in AP Seminar by learning how to understand research methodology, employ ethical research practices and collect, analyze and synthesize information to contribute to academic research. AP Research is a project-based course. Each student's official AP Research score is based on their academic paper, presentation and oral defense. There is no end-of-course exam for AP Research.

CUMBERLAND PERRY AREA CAREER & TECHNICAL CENTER (CPACTC)

CPACTC offers three-year programs with students attending on a half-day basis in the morning.

Course Name	Course Number
Advanced Manufacturing Technology	2120 / 2121 *
Advertising Art and Design	1900 / 1901 *
Automation, Robotics and Electronics	2030 / 2031 *
Automotive Collision Technology	1910 / 1911 *
Automotive Technology	1920 / 1921 *
Carpentry	1940 / 1941 *
Computer Networking	1960 / 1961 *
Computer Programming	1965 / 1966 *
Cosmetology	1970 / 1971 *
Criminal Justice	1980 / 1981 *
Culinary Arts	1990 / 1991 *
Dental Assisting	2000 / 2001 *
Diesel Technology	2010 / 2011 *
Early Childhood Education	1950 / 1951 *
Electrical Construction and Maintenance	2020 / 2021 *
Emerging Health Professionals	2050
Healthcare Pathways	2110 / 2111 *
Horticulture / Landscaping	2060 / 2061 *
HVAC	2070 / 2071 *
Logistics and Warehouse Management	2090 / 2091 *
Masonry	2100 / 2101 *
Welding Technology	2130 / 2131 *
American Studies	2210
World Studies	2220

- * CPACTC courses without social studies are given 4.00 credits; courses with social studies are given 3.00 credits plus 1.00 credit for social studies.

Students attending CPACTC must take social studies in grades 10 and 11 at CPACTC, with one exception. Eleventh grade cosmetology students must take math at Boiling Springs High School and are exempt from the 11th grade science requirement.

All CPACTC students (as of the 1989 – 1990 school year) have been and are still affected by Chapter 6 course(s) substituted for credits will be determined by vocational area of study at CPACTC and based on length of program (two or three-year programs).



Whether you are planning to attend college, seek employment, join the military or pursue other options. **Cumberland Perry Area CTC programs give students an advanced career pathway by the time they graduate high school.**

Cumberland Perry Area Career & Technical Center (CPACTC) is jointly owned and operated by thirteen regional school districts. The programs are an extension of your high school electives, offering comprehensive instructions in 22 career and technical programs. Students attend CPACTC for half of their school day, taking courses in their technical program plus social studies. Students attend their sending high school for English, Science, Mathematics, Physical Education and other graduation requirements.

The full scope of skills and competencies in the technical programs at CPACTC are taught over a three-year course sequence. However, students may also attend CPACTC for one or two years to support their career goals.

CPACTC has a competitive application process that includes attendance, grades, teacher recommendations and a career readiness interview. [CLICK HERE TO APPLY](#) or go to <https://www.cpatech.org/page/apply-to-cpactc> .

Clicking on the program names below will connect you to the program web page at <https://www.cpatech.org/>.

2022-2023 CAREER PATHWAYS AND PROGRAMS AT CPACTC

<u>CONSTRUCTION AND MAINTENANCE</u> Carpentry Electrical Construction and Maintenance Heating/Ventilation/Air Conditioning (HVAC) Horticulture/Landscaping Masonry	<u>ARTS & TECHNOLOGY</u> Advertising Art & Design Computer Networking Computer Programming
<u>MANUFACTURING</u> Advanced Manufacturing Technology Automation, Robotics & Electronics Welding Technology	<u>HEALTH SCIENCES</u> Dental Assisting Healthcare Pathways Emerging Health Professionals
<u>HUMAN SERVICES AND HOSPITALITY</u> Cosmetology Criminal Justice Culinary Arts Early Childhood Education	<u>TRANSPORTATION & LOGISTICS</u> Auto Collision Technology Automotive Technology Diesel Technology Logistics & Warehouse Management

Additional information on curriculum, college credit opportunities and uniform requirements is available online at www.cpatech.org.



Attention Senior Class of 2024!
Apply today for 2023-2024!

EMERGING HEALTH PROFESSIONALS PROGRAM (EHP)

EXPERIENCE A PROFESSIONAL HOSPITAL AND COLLEGE ENVIRONMENT

DESCRIPTION: Cumberland Perry Area Career and Technical Center is pleased to offer a unique, half-day, dual enrollment program that combines interactive learning and observation in a healthcare setting, college level Anatomy and Physiology I/II and Medical Terminology courses through local colleges and universities, and core foundations of health occupations and patient care. The program is designed for high school seniors interested in the healthcare field and allows students the opportunity to explore the multitude of different careers in healthcare firsthand. Students have the opportunity to earn 11 college credits in this program.

In a typical week, students spend two half days in college courses, two half days shadowing in a health care setting and one half day immersed in the EHP Program curriculum.

Program Requirements

- Have an overall GPA of at least a 3.0
- Have an excellent attendance record
- Have completed one year of high school Biology and Chemistry with a GPA of at least a 3.0
- Have taken Pre-Calculus/Trigonometry (or equivalent) with a GPA of at least a 3.0 or plan to be enrolled in this course senior year
- Be able to provide own transportation
- Be eligible for enrollment at CPACTC



APPLY ONLINE



For more information, contact
 Kristi Kennedy
 (kkennedy@cpatech.org) or
 your School Counselor.

Discoveries and opportunities
 await you!

CHECK IT OUT!

<https://www.cpatech.org/>

→ Programs →

Emerging Health Professionals

Upon Acceptance Students Must:

- Show proof of up-to-date vaccinations, TB Testing, and other required health certification forms.
- Complete required orientation paperwork.
- Pay Dual-Enrollment costs:
 - Messiah: \$200 per credit (\$800 each semester)
 - HACC: \$132.50 per credit (\$530 each semester)
- Pay \$150 registration fee.
- Commit to the entire, school-year-long program.

**Financial assistance may be available on a case-by-case basis.*

Please contact Mrs. Kennedy at kkennedy@cpatech.org



EMERGING HEALTH PROFESSIONALS

WHO SHOULD APPLY?

Students who are interested in a career in healthcare professions, such as:

- Medical Doctors
- Physical Therapists
- Occupational Therapists
- Dental Medicine
- Registered Nurses
- Physician's Assistants
- Pharmacists
- Radiologists
- Veterinarians

...AND MANY MORE

Program Partners Include, but Are Not Limited To:

