



Hempfield
High School

2024-25 Course Selection Guide

Table of Contents

CHAPTER 1 COURSE SELECTION PROCEDURES	Section 1: General Guidelines and Procedures	6
	Section 2: Transcripts	7
	Section 3: NCAA Academic Eligibility	8
	Section 4: School Counseling Services	10
	Section 5: Special Education and Gifted Support Services	10
	Section 6: Rank-in-Class	11
	Section 7: Grade Point Equivalency	12
	Section 8: Graduation Requirements	14
CHAPTER 2 COURSE SELECTION PLANNING	Section 1: Grade 9 Program of Studies	20
	Section 2: Course Selection Planning Worksheet	22
CHAPTER 3 DEPARTMENT OFFERINGS	Section 1: Art	24
	Section 2: Business Computer and Information Technology	31
	Section 3: English Language Arts	37
	Section 4: English Language Development	50
	Section 5: Family and Consumer Sciences	51
	Section 6: Health and Physical Education	56
	Section 7: Mathematics	61
	Section 8: Music	72
	Section 9: Science	78
	Section 10: Social Studies	86
	Section 11: Technology and Engineering Education	95
	Section 12: World Languages	104
CHAPTER 4 Additional Curricular Offerings	Section 1: Career and Technology	113
	Section 2: Senior Option	116
	Section 3: Off Campus and Concurrent College Enrollment	117
	Section 4: Online Learning	121

Contact Information

Hempfield High School
200 Stanley Avenue Landisville, PA 17538

Grade 9 – Buchanan Office
717-898-5530

Grade 10 – Buchanan Office
717-898-5634

Grade 11 – Franklin Office
717-898-5520

Grade 12 – Franklin Office
717-898-5507

High School School Counseling Office
717-898-5545

Main Office
717-898-5500

www.hempfieldsd.org

MISSION STATEMENT

The mission of Hempfield School District is to provide safe and supportive environments, engaging experiences, and rigorous educational opportunities that inspire all students to excel in their chosen pathway and grow as lifelong learners and contributing citizens.

HIGH SCHOOL ADMINISTRATION

High School Principal	<u>Dr. William S. Brossman</u>
Grade 12 Principal	<u>Mr. Mark Snitzer</u>
Grade 11 Principal	<u>Mrs. Amy Secor</u>
Grade 10 Principal	<u>Mr. Patrick Conrad</u>
Grade 9 Principal	<u>Dr. Beth A. Becker</u>
Landisville Education Center Principal	<u>Mr. Brendan P. Cregan</u>
Director of Athletics & Activities	<u>Mr. Ryan Landis</u>

SCHOOL COUNSELORS

Grades 9/10 in Buchanan Office

- [Mrs. Logan Albaugh](#)
- [Mrs. Lindsey Bauer](#)
- [Mr. Robert Bentley](#)
- [Mr. Greg Dietz](#)

Grades 11/12 in Franklin Office

- [Dr. Kandace DaCosta](#)
- [Mrs. Kimberly Romero](#)
- [Mrs. Stefanie Scarborough](#)
- [Mr. Justin Snook](#)

DEPARTMENT COORDINATORS

- [Mr. Mark Ashley](#), Health and Physical Education Department Coordinator
- [Mrs. Elizabeth Burns](#), Art Department Coordinator
- [Mrs. Sarah DeMaria](#), Library Department Coordinator
- [Mr. Mike Gambler](#), Mathematics Department Coordinator
- [Mr. Jason James](#), Technology and Engineering Education Department Coordinator
- [Mrs. Lauren Lewis](#), Secondary ELA Department Coordinator
- [Mrs. Katy Miller](#), Science Department Coordinator
- [Mrs. Rebecca Richter](#), World Language Department Coordinator
- [Ms. Svetlana Sagalov-Feldman](#), English Language Development Department Coordinator
- [Mrs. Lisa Sempsey](#), Music Department Coordinator
- [Mrs. Lauren Stauffer](#), Family and Consumer Science Coordinator
- [Mr. Zahid Virmani](#), Social Studies Department Coordinator
- [Mr. Andy Wise](#), Business Computer and Information Department Coordinator

ACKNOWLEDGMENTS

The instructional program described in this guide is the result of the cooperative efforts of many individuals including previously listed high school administration, department coordinators, and counselors. In an effort to recognize and acknowledge the significant contribution of additional individuals, their names are listed below.

District Administration and Staff

- Mr. Michael Bromirski, Superintendent
- Dr. Tab Musser, Assistant Superintendent
- Dr. Doug Dandridge, Assistant Superintendent
- Mrs. Katherine Deisley, Supervisor of Secondary Curriculum
- Ms. Jen Zolenas, Supervisor of Secondary Special Education
- Mrs. Kelly Burkholder, Director of Communications & Community Relations
- Ms. Brooke Fisher, Communications Coordinator

Chapter 1 | Section 1

General Guidelines and Procedures

GENERAL GUIDELINES

- Students must select courses required for graduation as described in this publication.
- Elective courses described in this publication may be selected if prerequisite course and grade level requirements are met and the student has parental approval.
- Students must maintain a schedule with EIGHT (8) class periods per 2 day cycle.
- A student may earn credit only once for a course in pursuit of [high school graduation requirements](#). There is an exception for music ensemble courses.

COURSE SELECTION PROCEDURES

Counselors will discuss course offerings and share information about the course selection process at the middle schools and at the high school.

Middle school teachers will use Class Choice to recommend required courses.

Students will be selecting courses online using Class Choice. Middle school students will complete this process in school under the supervision of a school counselor. High school students may select their classes either at home or in school using Class Choice. Students who do not choose courses will have courses assigned to them by their counselor.

A parent signature is required on the “Course Selection Printout” to indicate approval of student course selections.

CHANGING A COURSE

Scheduled courses will not be dropped without parent, teacher, and counselor recommendation.

Courses dropped FOUR (4) days after the start of the semester/school year will be noted on the permanent record as "W" (Withdrawal).

Any required or elective course dropped past the midpoint of the course will be assigned an automatic “F” unless otherwise approved by the administration.

PARENTS' NIGHT PROGRAMS

On January 11, 2024 at 6:00 p.m., parents/guardians and students are encouraged to attend the incoming freshman presentation for course selection.

Transcripts

TRANSCRIPT TIMELINE

HHS transcripts will be updated throughout the year on the following schedule as pertains to seniors:

- The Monday after Labor Day to include Senior schedule and final Junior year grades.
- The 1st Monday in February to include final first semester grades and second semester classes.
- The second Monday in June to include final senior grades.

TRANSCRIPT REQUEST PROCESS

Transcript requests must be made by the student through Xello at least 10 days prior to the college's deadline.

Requesting a Transcript in Xello

1. If you are using the common application, you must first complete the FERPA waiver in your common application under the college's tab. Once this is complete, log into Xello (with your Hempfield username and password) and follow these steps:

- Go to college planning link, and click on view my applications.
- Click on match my common app. (You will be sent to your common app log in to link the two accounts).
- Once this is complete, you will now see the colleges listed in your common app in Xello. You request your transcript and letter of recommendation under each college listed in Xello.

2. If you are applying directly to the college, once you have applied, log into Xello (with your Hempfield username and password). Go to the college planning tab and click on 'start application.' Follow the steps that will lead you to requesting your transcript and letter of recommendation for that college.

MIDDLE SCHOOL COURSES ON THE TRANSCRIPT

Students who take Algebra IB, Spanish I, French I, or German I at the middle school will have these courses included on the transcript. The transcript will include the grade in the course, but the grade will not be included in the high school GPA calculation.

NCAA Academic-Eligibility Requirements

Student-athletes interested in eventually participating in collegiate athletic team competition, especially at a Division I and Division II college, must meet the requirements established through the [NCAA Eligibility Center](#). Along with posting minimum score requirements in either the SAT I or the ACT college entrance exam, a student-athlete will need to carry a minimum core course grade point average (Core Course GPA) upon graduation from Hempfield High School of at least a 2.3 for Division I and Division II. This Core Course GPA is calculated by the NCAA Eligibility Center office by using the best course grades from NCAA established core course requirements from the list of Approved Core Courses. Ten (10) of the sixteen (16) required courses need to be completed prior to the beginning of the 7th semester.

Sixteen (16) specified core course credits must be completed for those student-athletes interested in Division I or Division II. As the following year’s program of study is selected, potential collegiate student-athletes should be aware of the NCAA academic eligibility requirements which pertain specifically to Division I and Division II athletic participation. Division III colleges are not held to the academic guidelines of the NCAA Eligibility Center. Online coursework meets NCAA non-traditional core-course legislation.

For a general reference, we have included the list of NCAA approved and pending classes. For the latest updated list of Hempfield High School approved NCAA core courses and to register for an account, please visit the NCAA Eligibility Center website at www.eligibilitycenter.org. Please work closely with your counselor to ensure NCAA requirements are met.

ENGLISH

- Creative Writing
- English AP Language & Composition
- English AP Literature & Composition
- English 9-10 CP
- English 9-10 Honors
- Literary Analysis: British Literature CP
- Literary Analysis: Eco Literature CP
- Literary Analysis: Modern American Voices
 - of Resilience Honors / CP
- Literary Analysis: Mystery, Suspense, and Horror CP
- Literary Analysis: Science Fiction and
 - Dystopia Honors /CP
- Literary Analysis: Sports Literature CP
- Literary Analysis: World Literature Honors

MATHEMATICS

- Algebra 1A CP (.50 credit) *
- Algebra 1A Applied CP (.50 credit) *
- Algebra 1B CP (.50 credit) *
- Algebra 1B Applied CP (.50 credit) *
- Algebra 1B Honors (.50 credit) *
- Algebra II CP
- Algebra II Advanced CP
- Algebra II Applied CP
- Algebra II Honors
- Geometry CP

- Geometry Applied CP
- Geometry Honors
- College Algebra (CHS)
- Pre-calculus CP
- Statistics Logic and Algorithms CP
- Precalculus AP
- Calculus AB AP
- Calculus BC AP
- Business Calculus (CHS)
- Statistics AP
- Computer Science AP
- Computer Science Principles AP

NATURAL / PHYSICAL SCIENCE

- General Science CP
- Biology CP
- Biology Honors
- Biology I AP
- Biology II AP
- Biology II Honors
- Chemistry CP
- Chemistry Honors
- Chemistry I AP
- Chemistry II AP
- Chemistry II Honors
- Environmental Science AP
- Principles of Science & Technology

Intro to Human Biology CP
Physics CP
Physics Honors
Physics AP: Mechanics
Physics AP: Electricity & Magnetism
Anatomy & Physiology Honors

SOCIAL STUDIES / SOCIAL SCIENCE

American History CP
American History Honors
American History AP
Macro Economics AP
Micro Economics AP
Global America CP
Human Geography AP
World History AP: Modern
Psychology CP
AP Psychology
History of the U.S. I
History of the U.S. II
World History CP
World History Honors
Government and Economics CP
Government and Economics Honors
U.S. Government and Politics AP
Comparative Government and Politics AP
Principles of American Law CP
Pennsylvania & Lancaster County History CP
Rights and Events in A Modern World
20th Century European History CP
European History AP
PA & Lancaster County CP

WORLD LANGUAGES

Chinese I CP
Chinese II Honors
Chinese III Honors
Chinese IV Honors
Chinese Culture and Civilization CP
French I CP
French II CP
French III Honors
French IV Honors
French Language and Culture AP
German I CP
German II CP
German III Honors
German IV Honors
German Language & Culture AP
Spanish I CP
Spanish II CP

Spanish III Honors
Spanish IV Honors
Spanish for Heritage Speakers CP
Spanish Language & Culture AP
Spanish 503: ¡Viva España! (Spanish Life) - Honors
Spanish 504: Aventuras en la América Latina
(Adventures in Latin America) - Honors
Spanish 505: Career Spanish

**** Hempfield High School awards 1.0 credit for successfully passing each of these courses towards graduation BUT the NCAA only awards .50 credit for each course successfully passed toward eligibility.***

Chapter 1 | Section 4

School Counseling Services

Parents/Guardians may contact the School Counseling Department for information regarding the topics listed below. Additional information about these items may be found on the [Hempfield School District website](#).

- [Career & Technology Center \(CTC\) Programming](#)
- [College Admissions and Career/Occupation Information](#)
- Course Selection
- [Financial Aid](#)
- Homebound Instruction
- [Keystone Testing](#)
- PSAT, SAT I, SAT II, ACT and ASVAB Testing
- [Student Support Services](#)
- [Summer School](#)

Students are encouraged to meet regularly with their [school counselor](#).

Chapter 1 | Section 5

Special Education & Gifted Support Services

SPECIAL EDUCATION SERVICES

Special Education support services are available to meet the needs of identified exceptional individuals. Student's services are outlined in an Individual Educational Program (IEP). This support is only available by referral. Students believed to be eligible are directed to contact the [Special Education Department](#).

GIFTED SUPPORT SERVICES

Gifted services are available to meet the individual needs of students identified as gifted per PA Chapter 16 Guidelines. Eligible students' gifted services are outlined in a Gifted Individualized Educational Plan (GIEP). More information is available on the [Hempfield School District website](#) or by contacting Gifted Services.

Rank-in-Class

Rank-in-Class is the position of any one student in a graduating class in relationship to all other students in that class based upon a weighted grade point average, cumulative to include all semesters. The sole purpose of assigning values to courses is to generate rank-in-class which is included on transcripts sent with college applications. The Valedictorian, top ten students, and students in the top 10% will be recognized at commencement. Values are assigned by degree of difficulty in the course. A Value I course is less difficult than a Value II course, etc. Courses not assigned a weighted value are excluded from Rank-in-Class.

Weighted GPA (WGPA) represents HHS courses only. Non-HSD courses – those taught by non-HSD employees – are unweighted and will not factor into class rank beginning with the Class of 2026.

Juniors and seniors can access their unweighted GPA, weighted GPA, and rank through PowerSchool in the PS Vault when using the web version (not the app).

Colleges and universities are also interested in the type and quality of the courses the student elects each year, along with the student’s participation in extra-curricular activities.

Students in grades 9-12 can access their unofficial transcripts through PowerSchool. **All Official Transcripts** must be sent directly from the Counseling Office.

WEIGHTED GRADE POINT FACTORS

Letter Grade	Course Weighted Value 1	Course Weighted Value IA	CourseWeighted Value II	Honors Course Weighted Value III	AP/CHS Course Weighted Value IV
A+	4.67	4.9	5.14	5.6	6.07
A	4.33	4.55	4.76	5.2	5.63
A-	4	4.2	4.4	4.8	5.2
B+	3.67	3.85	4.04	4.4	4.77
B	3.33	3.49	3.66	4	4.33
B-	3	3.15	3.3	3.6	3.9
C+	2.67	2.8	2.94	3.2	3.47
C	2.33	2.44	2.56	2.8	3.03
C-	2	2.1	2.2	2.4	2.6
D+	1.67	1.75	1.84	2	2.17
D	1.33	1.39	1.46	1.6	1.73
D-	1	1.05	1.1	1.2	1.3
F	0	0	0	0	0

Grade Point Equivalency Of Letter Grades

Letter grades are converted to numerical grade point equivalencies for purposes of generating and reporting grades as may be needed by students applying to post-secondary schools and for administrative purposes. The final grade will be reported using the grade point equivalencies shown in the following scale.

	Letter Grade	Numerical Average	Grade Point Equivalent
Outstanding Achievement	A+	98-100	4
	A	93-97	4
	A-	90-92	4
High Achievement	B+	87-89	3.67
	B	83-86	3.33
	B-	80-82	3
Satisfactory Achievement	C+	77-79	2.67
	C	73-76	2.33
	C-	70-72	2
Minimal Achievement	D+	67-69	1.67
	D	63-66	1.33
	D-	60-62	1
	F	59 & Below	0

- **F - Failure** to achieve minimal course requirements. No credit earned.
- **I - Incomplete** - course requirements not met because of student absence. (The teacher will establish a reasonable number of days in which the student is expected to complete course requirements, and is required to issue a grade change, based upon the work completed.) An “I” is never assigned as a final course grade.
- **P - Passing** - Numerical grade point averages are not assigned to the letter grade of "P.”

HONOR ROLL

The high school program of reporting pupil progress recognizes high scholastic achievement through an honor roll system. Grades for all courses are considered for honor roll status. Students may have no "D's", "F's", or "I's" for the marking period.

- **Honors** - students who achieve a 3.25 to 3.50 quarterly grade point average.
- **Distinguished Honors** - students who achieve a 3.51 to 3.75 quarterly grade point average.
- **Superior Honors** - students who achieve a 3.76-4.00 minimum quarterly grade point average. This is the highest recognition given for academic accomplishment.

WEIGHTED EXEMPTION POLICY (WEP)

Hempfield High School recognizes the importance that class rank may play in a student's college application process. In an effort to help students maintain their class rank while also encouraging them to take classes of interest (not based on class rank implications), the school has developed a Weighted Exemption Policy (WEP). The WEP allows students in their junior and senior year of high school to select classes that will not be factored into their Weighted Grade Point Average (WGPA), which is used to calculate class rank and for National Honor Society eligibility. Students who apply for a WEP will still have all of their classes count toward their unweighted Grade Point Average, which is used to calculate honor roll status and is listed on a student's academic transcript.

The following procedures and guidelines have been developed for students who elect to apply for a WEP:

- **A student will be permitted a total of three (3) exemptions throughout his/her/their Hempfield career.** He/she/they may use one (1) the junior year and 1 per semester his/her/their senior year.
- **If a student has Senior Option on his/her/their schedule, you are ineligible to apply for a WEP** (Senior Option counts as your one allowed exemption per semester).
- **Core required courses are not eligible for exemption.**
- **Students must apply for an exemption within the first five (5) school days of the semester** (or their enrollment at the school for new students). Exemptions will not be honored if the request is received after that date.
- **All requests are final.** Students may not withdraw requests once submitted.
- **Exemptions only apply to a student's WGPA.**
A student's final grade for an exempt course will still factor into his/her/their unweighted GPA.
- **Any schedule changes made after submitting this form may nullify this WEP.**

Any student interested in utilizing the WEP should pick up an application in the Counseling Office or schedule an appointment with his/her counselor. **Students must turn in completed WEP applications to the counseling office within the first FIVE (5) days of the start of the course they wish to exempt from WGPA calculation.**

Graduation Requirements



To graduate from Hempfield High School, a student must successfully complete the below graduation requirements approved by the Hempfield Board of School Directors.

To be eligible for graduation, a student must:

- pass the required courses of instruction (listed below).
- Demonstrate mastery for Algebra I, Biology, and Literature by scoring proficient or better on the [Keystone Exams](#) or complete another pathway approved by the Pennsylvania Department of Education. See Pathways toward Graduation information on the next page.
- complete a culminating career portfolio.

Students must earn 28 credits in order to graduate.

Course Area	Credits	Courses
English	Four (4.0) Credits	English 9, English 10, any two literary analysis courses or an English AP or approved dual enrollment course
Social Studies	Four (4.0) Credits	Grade 9: American History <i>or</i> American History AP Grade 10: World History <i>or</i> World History AP: Modern Grade 11: US Government and Economics <i>or</i> Government and Politics AP Grade 12: Global America <i>or</i> Microeconomics AP <i>or</i> Macroeconomics AP <i>or</i> Comparative Government AP <i>or</i> Human Geography AP <i>or</i> European History AP <i>or</i> approved dual enrollment course
Mathematics	Four (4.0) Credits	Any four (4) from this list**: Pre-Algebra, Algebra 1A, Algebra 1B, Algebra 2, Geometry, Statistics/Logic/Algorithms, College Algebra, Pre-Calculus, Calculus, or Computer Science AP
Science	Three (3.0) Credits	General Science, Biology, and one additional credit from the science course offerings in the guide, or Honors Biology and two additional credits from the science course offerings.
Health/Physical Education	Two (2.0) Credits	Health is scheduled in grade 10; Physical Education is scheduled in grades 9, 10, and 11. (In grade 12, PE may be taken as an elective.)
Arts/Humanities	Two (2.0) Credits	Art, Music, World Languages, Technology & Engineering Education, Family and Consumer Sciences, English*, and Social Studies*
Fundamentals of Family & Consumer Sciences	One half (0.5) Credit	Required course scheduled in Grade 9
Personal Financial Literacy	One half (0.5) Credit	Required course scheduled in Grade 11
Electives	Eight (8) Credits	Student choice

**English and social studies classes that count as arts and humanities are courses offered in addition to the required credits listed in this chart for those areas.*

#1 Keystone Proficiency Pathway		
Proficient or Advanced in Algebra I	AND	Proficient or Advanced in Biology
	AND	Proficient or Advanced in Literature

# 2 Keystone Composite Pathway*		
At least one Keystone score is Proficient or Advanced	AND	No score is below basic
	AND	Composite Keystone Score is 4452 or greater

*If a student has a non-numeric proficient from 2020 in one Keystone area, and a composite score in the remaining two areas of 2939 or greater with at least one score being proficient or better and neither being below basic, the student has met the composite pathway.

#3 CTE Concentrator Pathway	#4 Alternative Assessment Pathway	#5 Evidenced Based Pathway
Earn a passing grade in course(s) associated with the content area(s) of the Keystone exams in which not proficient and complete requirements in pathways 3, 4, or 5.		
Attain one of the following: <ul style="list-style-type: none"> Industry-based competency certification Likelihood of industry-based competency assessment success Readiness for continued engagement in CTE Concentrator program of study 	OR Complete one of the following: <ul style="list-style-type: none"> Attainment of PDE established score on an alternate assessment: SAT (1010), PSAT (970), ACT (21), ASVAB (the minimum score to gain acceptance to a branch of armed service in the graduation year—currently 31) Attainment of the Gold Level on the ACT Work Keys Attainment of a score of a 3 or better on AP exam in each related Keystone Exam area in which less than proficient Successful completion of a dual enrollment or post-secondary course in the associated Keystone Exam content area in which less than proficient Acceptance to an accredited four-year institution of higher education for college-level coursework 	OR Demonstrate readiness for postsecondary engagement consistent with the student's goals with three pieces of evidence. <div> Select at least 1 piece of evidence from tier 1: <ul style="list-style-type: none"> Attainment of 630 on any SAT subject-specific test Attainment of PDE established score of Silver Level or better on the ACT Work Keys Attainment of 3 on any AP exam Successful completion of any concurrent enrollment course or postsecondary course Industry-recognized credentialization Acceptance to an accredited nonprofit institution of higher education other than an accredited four-year, nonprofit institution and evidence of the ability to enroll in college-level, credit-bearing coursework </div> <div> Select up to 2 pieces from tier 2: <ul style="list-style-type: none"> Any additional item from tier 1 Attainment of a proficient or advanced score on a Keystone Exam Successful completion of a pre-approved service-learning project Letter guaranteeing full-time employment or military enlistment Completion of an internship, externship, or cooperative education program Compliance with the NCAA Division II academic requirements </div> <div> Note: A piece of evidence may be repeated. For example, a student may have 2 AP scores count as 2 different pieces of evidence. </div>

MASTERY OF THE PA KEYSTONE LITERATURE, MATHEMATICS & BIOLOGY STANDARDS

Students must demonstrate proficiency in Algebra I, Literature, and Biology on the Pennsylvania Keystone Exams. These exams are aligned to the PA Common Core Standards, assessment anchors, and eligible content, which can be found on the PDE [SAS website](#). Students who do not score proficient or advanced on the Keystone exams, must participate in a re-test. Prior to the re-test, remediation will be offered to students in the needed areas. Students who do not demonstrate proficiency on the three required exams must select a different [PDE approved pathway to graduation](#).

ALGEBRA 1 KEYSTONE EXAM

Module	Categories
Module 1	Operations
	Linear Equations & Inequalities
Module 2	Linear Functions
	Data Organization

LITERATURE KEYSTONE EXAM

Module	Standard
Module 1	Nonfiction - Reading for Meaning
	Nonfiction - Analyzing and Interpreting Literature
Module 2	Fiction - Reading for Meaning
	Fiction - Analyzing and Interpreting Literature

BIOLOGY KEYSTONE EXAM

Module	Assessment Anchors
Module A: Cells & Cell Processes	Basic Biological Principles
	The Chemical Basis for Life
	Bioenergetics
	Homeostasis and Transport
Module B: Continuity & Unity of Life	Cell Growth and Reproduction
	Genetics
	Theory of Evolution
	Ecology

CAREER PORTFOLIO

Students are required to have a career portfolio beginning in kindergarten and continued throughout 12th grade. The goal is for each student to graduate having accumulated at least 20 different pieces of evidence of career awareness and readiness within their portfolio.

PROMOTION AND GRADE LEVEL ASSIGNMENT

Students will remain with their class and will be promoted accordingly provided they meet the minimum credits necessary for promotion:

Grade 9 to 10: minimum 6 credits

Grade 10 to 11: minimum 12 credits

Grade 11 to 12: minimum 20 credits

EARLY COMPLETION PROGRAM

A Hempfield High School student may complete graduation requirements at the end of the first semester of the senior year. Approval from the principal is needed. A signed contract outlining the details for Early Completion is required. All Hempfield High School graduation requirements must be fulfilled. Students who would like more information about the Early Completion Program should consult with their school counselor.

CHAPTER 2

Course Selection Planning



Chapter 2 | Section 1

Grade 9 Program of Studies

Use the following guidelines and your Curriculum Guide to plan your program of studies for next year. During each semester, your total credits attempted must add up to 4.0. Therefore, your total credits attempted for the year should add up to 8.0.

Program	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit per Year
English 9	S	E	1
American History	S	E	1
Mathematics	S	E	1.0 or 2.0
General Science or Honors Biology	S	E	1
Fundamentals of Family & Consumer Science	S	A	0.5
Physical Education (Personal Wellness & Fitness)	S	A	0.5

ELECTIVES BY DEPARTMENT OPEN TO GRADE 9 STUDENTS

	Credit	
ART		
H0021 Art for All	.5	_____
H0111 Animation	.5	_____
H0261A Sculpture	.5	_____
H0261B Sculpture II	.5	_____
H0251 World Crafts	.5	_____
H0121 Drawing I	.5	_____
H0081 Fiber Arts I	.5	_____
H0243A Printmaking	.5	_____
H0043 Clay I	1	_____
H0233 Painting I	1	_____

BUSINESS COMPUTER & INFORMATION TECHNOLOGY		
H5631 Entrepreneurship I	.5	_____
H5721 MS Word/Power Point	.5	_____
H5611 Introduction to Marketing	.5	_____

ENGLISH		
H1511 Communications	.5	_____
H1581 Introduction to Theater	.5	_____
H1591 Theater Techniques	.5	_____
H1631 Creative Writing I	.5	_____
H1641 Creative Writing II	.5	_____
H1801 Communications Technology I	.5	_____
H1813 Communications Technology II	1	_____

FAMILY CONSUMER SCIENCE		
H8701 Healthy & Nutritious Cooking	.5	_____
H8721 Culinary Arts	.5	_____
H8763 Contemporary Fashion I	1	_____
H8773 Contemporary Fashion II	1	_____
H8801 Today’s Housing & Interior Design*	.5	_____
H8823 The Preschool Child	1	_____
H8913 Preschool Lab I	1	_____
H8833 Child Development*	1	_____

*offered odd years only

MUSIC		
H0571 Music Production	.5	_____
H0641 Beginning Piano	.5	_____
H0651 Beginning Guitar	.5	_____
H0661 Intermediate Piano	.5	_____
H0671 Intermediate Guitar	.5	_____
+ H0703 Concert Choir	1	_____
+ H0823 Concert Band	1	_____
+ H0923 Concert Strings	1	_____
+ Classes meet every other day for the entire school year		

SOCIAL STUDIES		
H2553 Rights and Events in a Modern World	1	_____
H2543 Pennsylvania and Lancaster County	1	_____
H2911 Criminal Justice	.5	_____

TECHNOLOGY & ENGINEERING EDUCATION		
H8093 Introduction to Eng. Design*	1	_____
H8113 Electronics I	1	_____
H88281 Digital Photography I	.5	_____
H8303 Manu. Technology I	1	_____
H8413 Power Technology	1	_____
H8503 Materials & Processes I	1	_____
H8603 Intro to Drafting & Design	1	_____
H8543 Graphic Design I	1	_____

WORLD LANGUAGES		
H6113 French I CP	1	_____
H6123 French II CP	1	_____
H6133 French III Honors	1	_____
H6213 German I CP	1	_____
H6223 German II CP	1	_____
H6233 German III Honors	1	_____
H6413 Spanish I CP	1	_____
H6423 Spanish II CP	1	_____
H6433 Spanish III Honors	1	_____
H6473 Spanish for Heritage Spkrs.	1	_____
H6513 Chinese I CP	1	_____
H6523 Chinese II Honors	1	_____
H6573 Chinese Culture/Civ.	1	_____

* Project Lead the Way course

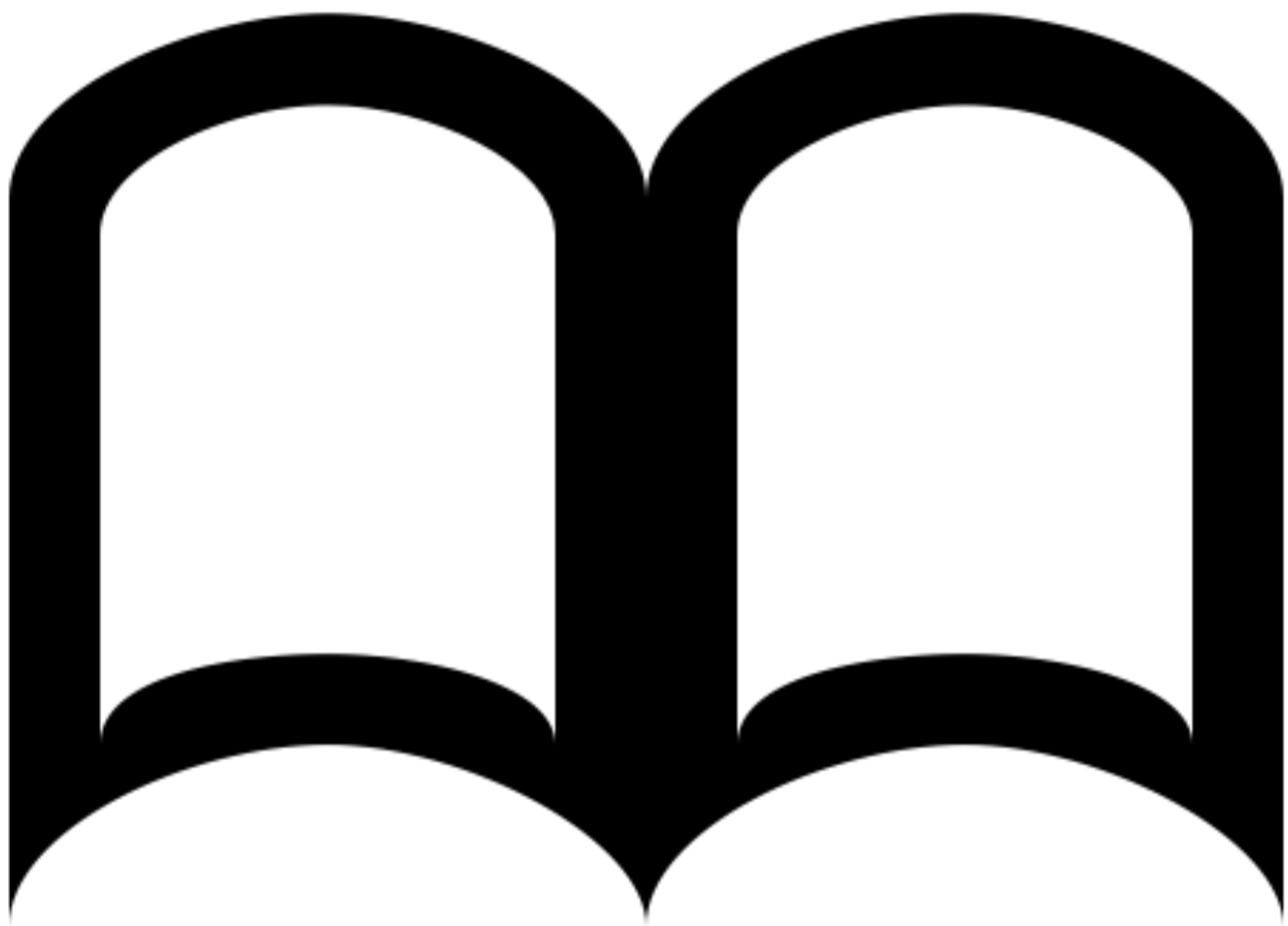
Note: Half-credit electives meet every other day for one semester.

4-Year Planning Worksheet

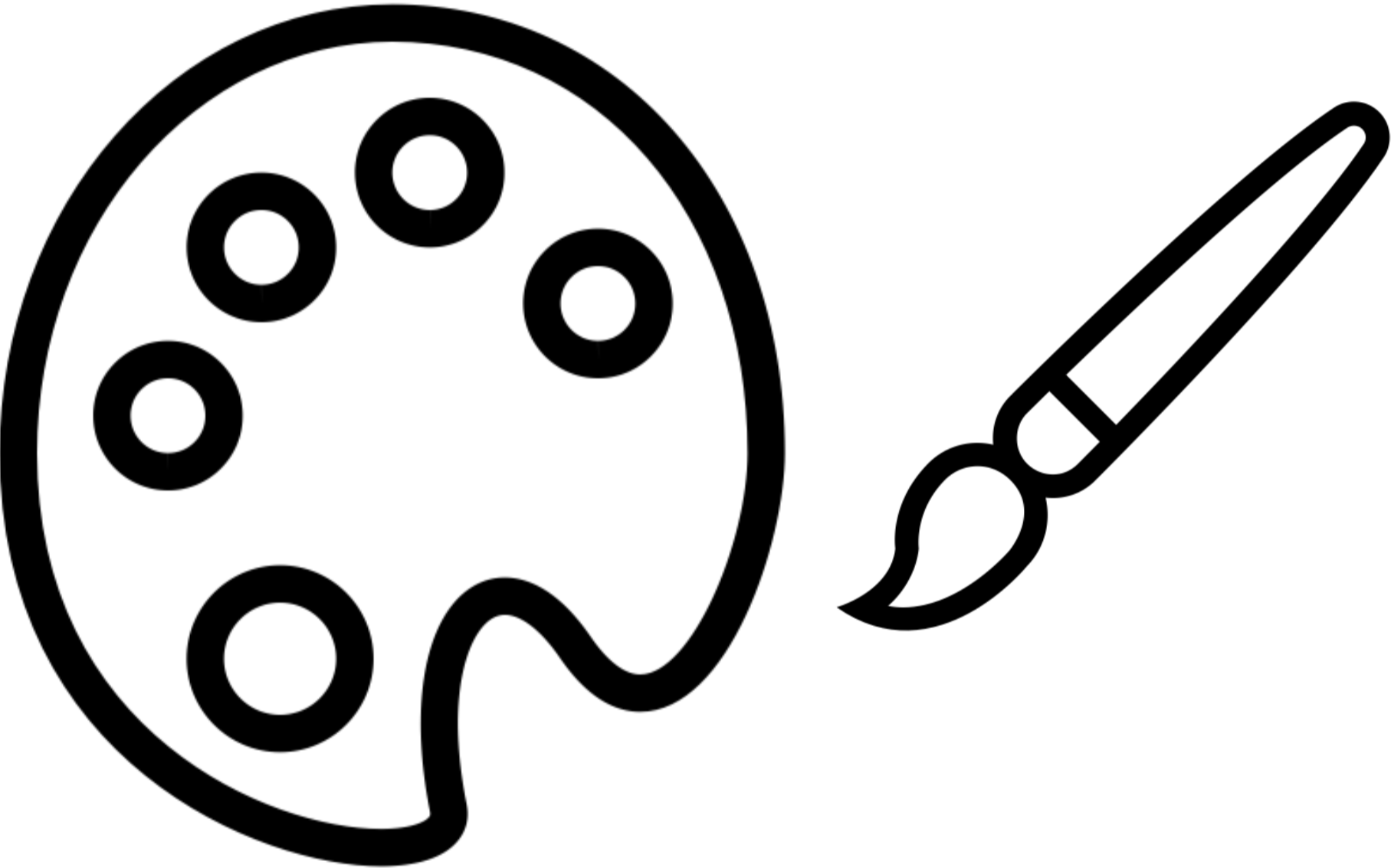
REQUIREMENT	Grade 9	Grade 10	Grade 11	Grade 12
ENGLISH (4)				
SOCIAL STUDIES (4)				
MATH (4)				
SCIENCE (3)				
FUNDAMENTALS OF FCS (.5)				
HEALTH (.5)				
PHYSICAL EDUCATION (1.5)				
PER. FINANCIAL LIT. (.5)				
ARTS/ HUMANITIES (2)				
OTHER ELECTIVES (8)				
CURRENT YEAR CREDIT TOTAL (MUST TOTAL 8)				
MS/SUMMER CREDITS				
CUMULATIVE CREDIT (28 REQ. TO GRAD)				

CHAPTER 3

Department Offerings



Art



ART COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/Year	Years Offered*: Even or Odd	Weighted Course Value
H0021	Art for All	9-12	S	A	0.5		
H0111	Animation	9-12	S	A	0.5		
H0121	Drawing I	9-12	S	A	0.5		
H0221	Drawing II	10-12	S	A	0.5		
H0321	Drawing III	10-12	S	A	0.5		
H0421	Drawing IV	10-12	S	A	0.5		
H0081	Fiber Arts I	9-12	S	A	0.5	ODD	
H0091	Fiber Arts II	10-12	S	A	0.5	ODD	
H0281	Commercial Art / Illustration	10-12	S	A	0.5	EVEN	
H0271	Hot Glass I	10-12	S	A	0.5		
H0291	Hot Glass II	10-12	S	A	0.5		
H0261A	Sculpture I	9-12	S	A	0.5		
H0261B	Sculpture II	9-12	S	A	0.5		
H0251	World Crafts	9-12	S	A	0.5	EVEN	
H0043	Clay I	9-12	S	E	1		
H0053	Clay II	10-12	S	E	1		
H0053A	Advanced Clay – Independent Study	11-12	S	E	1		
H0063	Fine Metals I	10-12	S	E	1		
H0073	Fine Metals II	10-12	S	E	1		
H0073A	Advanced Fine Metals – Independent Study	11-12	S	E	1		
H0233	Painting I	9-12	S	E	1		
H0333	Painting II	10-12	S	E	1		
H0243A	Printmaking	9-12	S	A	0.5	ODD	
**H0431	Breadth Portfolio AP (Fall)	12	S	A	0.5		Value IV
**H0441	Concentration Portfolio AP (Spring)	12	S	A	0.5		Value IV

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

**It is recommended that these two courses be taken consecutively in the same year.

H0021 ART FOR ALL

0.5 Credit

Grades 9-12

Using a variety of materials, tools, and processes, students will create and compose artworks based on elements and principles of compositional design. Both two dimensional and three dimensional processes will be explored. Historical and contemporary artists, art works, and styles will be considered as references and inspiration. This course is designed for the student looking to explore art and art-making in general.

H0111 ANIMATION

0.5 Credit

Grades 9-12

Prerequisite: Completion of Drawing I with a passing grade.

This course introduces key concepts and principles related to animation. Digital and traditional drawing skills will be heavily relied on as students develop work to understand the motion and mechanics of animation. Backgrounds, storyboarding, animatics (animated storyboards) and editing will also be studied—working towards a large independent project. Students will also be expected to develop work and ideas outside of class, as animations take time and patience to develop. The goal of the course is to provide students with the tools and skills required to create their own characters and original stories. Programs used include: Rough Animator (ipad), Art Studio (ipad sketch program), and Adobe Rush (ipad editing program).

H0271 HOT GLASS I

0.5 Credit

Grades 10-12

Traditional methods of glass arts including copper-foiled stained glass, stained glass mosaics, and glass fusing will be explored and applied in this course. Students will be exposed to important works of art and artists within this discipline. Students will work with their hands to cut, nip, grind, and etch glass. Non-traditional methods of working with glass will also be explored.

H0291 HOT GLASS II

0.5 Credit

Grades 10-12

Prerequisite: *Prerequisite: Completion of Hot Glass I with a passing grade.*

This course will offer students advanced opportunities in the methods covered in Hot Glass I. Additionally, students will learn the art of flame-working to create small glass beads in front of a torch. Students will be exposed to important works of art and artists within this discipline as they relate to project work.

H0261A SCULPTURE I

0.5 Credit

Grades 9-12

Media including clay, plaster, wood, paper, metal, and found objects will allow students to explore the 3-Dimensional aspects of space/ design. Both historical and contemporary approaches will guide students through art making activities including techniques in mold making, carving, plaster casting, and the additive/ subtractive methods.

H0261B SCULPTURE II

0.5 Credit

Grades 9-12

Prerequisite: Completion of Sculpture I with a “C” average or better.

Using media similar to what was utilized in Sculpture I, students will stretch and transcend their artistic wisdom of historical and contemporary approaches to crafting three-dimensional forms. Deepened understandings of the additive and subtractive methods along with [Figure .](#) investigations into how we define dimensional space will guide learners to fully shape and manipulate the many dynamics of design in the third dimension.

H0251 WORLD CRAFTS

0.5 Credit

Grades 9-12

In this course, students will have the opportunity to work with a variety of craft media including, but not limited to, textiles, assemblage, glass, and clay. Students will examine a wide range of craft and craftspeople and learn how culture affects artistic

practice. Students will also reflect on their own personal culture as they experiment with craft media. **This course is offered every-other year.**

H0121 DRAWING I

0.5 Credit

Grades 9-12

This course provides an introduction to a variety of techniques, styles, and media in drawing. Subject matter includes: figure, portrait, still-life, and landscape drawing. Instruction includes: lecture, demonstrations, and critiques.

H0221 DRAWING II

0.5 Credit

Grades 10-12

Prerequisite: Completion of Drawing I with a “C” average or better and teacher/Art Coordinator approval.

The requirements of this course will include drawing a variety of subject matter. Technique will be stressed for each of the projects. Media used include pencil, pen and ink, charcoal, pastels. Examples of subjects are: figure drawing, still-life, and landscape.

H0321 DRAWING III

0.5 Credit

Grades 10-12

Prerequisite: Completion of Drawing II with a “C” average or better and teacher/Art Coordinator approval.

In this course, emphasis will be placed on conceptualization and mastery of drawing skills. The course is intended to develop the students' own styles and approaches. Much of the work done in this course will be toward the development of a portfolio.

H0421 DRAWING IV

0.5 Credit Grades 10-12

Prerequisite: Completion of Drawing III with a “C” average or better and teacher/Art Coordinator approval.

This course is an extension of Drawing III, with emphasis on drawing the figure and working from life. Students will be encouraged to explore individual areas

of interest and expression, often having their choice of styles and media. Instruction will also be given on how to prepare a portfolio, and individualized assignments will be used to strengthen it.

H0081 FIBER ARTS I

0.5 Credit

Grades 9-12

Students will create two- and three-dimensional works of art through exploration of fiber arts techniques including, but not limited to, stitching, quilting, weaving, shibori and batik. Students will apply a personal aesthetic in creating and refining artistic ideas using fibers media. Students will be exposed to both traditional and contemporary fiber artists and techniques. **This course is offered every-other year.**

H0091 FIBER ARTS II

0.5 Credit

Grades 10-12

Prerequisite: Completion of Fibers I with a “C” average or better and teacher/Art Coordinator approval.

Students will create two- and three-dimensional works of art through exploration of fiber arts techniques including, but not limited to, stitching, quilting, weaving, felting, shibori and batik. Students will apply a personal aesthetic in creating and refining artistic ideas using fibers and mixed media. Students will be exposed to both traditional and contemporary fiber artists and techniques. Students will have the opportunity to combine tools, styles and techniques and will be encouraged to experiment and adapt. **This course is offered every-other year.**

H0281 COMMERCIAL ART/ILLUSTRATION

0.5 Credit

Grades 10-12

Prerequisite: Completion of Drawing I with a “C” average or better and teacher / Art Coordinator approval.

Students will learn how to problem-solve hypothetical and real-life commercial art projects. While commercial art software will be utilized, approaches with hand-drawn and digitally drawn images will be emphasized.

Students will employ a range of design principles to communicate ideas with an intended audience. Much of the course will be directed by student interest. Potential projects include: logos, package design, poster design, article illustration, character design, pattern design, typography, and more. **This course is offered every-other year.**

H0043 CLAY I

1 Credit

Grades 9-12

This course concentrates on beginning clay techniques such as: pinch, coil, slab and hand building to produce both relief and three dimensional works of art. The student will design and construct works based on several categories of ceramics, including functional and non-functional objects using various surface design techniques. Through lecture and demonstration the student will be exposed to the history of ceramic arts and clay forms of various cultures.

H0053 CLAY II

1 Credit

Grades 10-12

Prerequisite: Completion of Clay I with a “C” average or better and teacher/Art Coordinator approval.

This course is designed for students who want to expand their skills while choosing specific areas of ceramics to explore. The student will investigate contemporary ceramic artists and produce works that express both an understanding of cultures and a sense of personal vision. This course offers work in developing wheel thrown techniques.

H0053A ADVANCED CLAY – INDEPENDENT STUDY

1 Credit

Grades 11-12

Prerequisite: Completion of Clay I and Clay II with an “A” average and teacher/Art Coordinator approval.

This course will endeavor to utilize all pre-existing curriculum practices from Clay I and II with the intent on students developing an investigation/exploration from a

self-prescribed plan of action. Students will be expected to work independently through their plan of growth and discovery toward a set of goals. Teacher monitoring of journal work, research and overall production will allow students to utilize the clay classroom as a professional studio.

H0063 FINE METALS I

1 Credit

Grades 10-12

This course will explore the traditional methods of hand constructing works in copper, brass, nickel as well as non-traditional materials. Techniques in metalsmithing include sawing, filing, finishing, cold connections, soldering, chainmaille, and enamel will be investigated and executed. Students will imagine, design, and create original works using these techniques and will be exposed to important artists and historical movements related to the art form.

H0073 FINE METALS II

1 Credit

Grades 10-12

Prerequisite: Completion of Fine Metals I with a “C” average or better and teacher/Art Coordinator approval.

Students will continue to expand their understanding of basic techniques in metalsmithing and move toward advanced understandings in soldering, stonesetting, hollow forms, chainmaking, fold forming and methods of small scale metal casting. Students will continue to develop their creative voice through works of their own imagination and personal interest and gain independence in the classroom.

H0073A ADVANCED FINE METALS – INDEPENDENT STUDY

1 Credit

Grades 11-12

Prerequisite: Completion of **Fine Metals I**, and **Fine Metals II** with an “A” average and teacher/Art Coordinator approval.

Students will continue to refine and build skills in the area of jewelry and metalsmithing while developing independence in personal studio practices. Student independence is expected in the areas of planning, research, sketchbook practice, and exploration/investigation within self-prescribed plans of action. Emphasis will be placed on student/teacher collaborative efforts which will encourage students to recognize the fine metals lab as a professional studio.

H0233 PAINTING I

1 Credit

Grades 9-12

The painting curriculum is designed to give students experience in a variety of techniques, styles, and media in painting. The course will emphasize basic painting skills, while recognizing the importance of imagination and self-expression. The intent is not only to develop particular skills, but also to instill a sense of art history and an awareness of contemporary thought. Instruction includes: lectures, demonstrations, and critiques.

H0333 PAINTING II

1 Credit

Grades 10-12

Prerequisite: Completion of **Painting I** with a “C” average or better and teacher / Art Coordinator approval.

Students will focus on two areas of painting for the first quarter. Areas of choice include: watercolor, acrylics, tempera, oils, and mixed media.

The second quarter work will be based on a written plan agreed upon by both the student and the instructor. The work will include an in-depth study of an artist or style of painting, a portfolio review of previous work,

exploration in a painting technique that produces a body of work that emphasize individual expression, creativity, technique, and craftsmanship.

H0243A PRINTMAKING

.5 Credit

Grades 9-12

Students will be encouraged to explore their independent conceptual ideas through processes unique to printmaking. Experimentation and variation will be emphasized with the following processes: Monotype approaches, Relief (linoleum and woodcut), silkscreen, and intaglio (drypoint). Students will investigate these techniques through demonstration, practical application, collaboration and group discussion. **This course is offered every-other year.**

H0431 BREADTH PORTFOLIO AP – FIRST SEMESTER

0.5 Credit

Grade 12

Prerequisites: Department Recommendation and Portfolio / Interview acceptance of the Art Coordinator. **Course Requirements:** Minimum grade of “C” in **Drawing I** and **Drawing II**. Prior or concurrent scheduling of **Drawing III**, **Drawing IV**, **Painting**, or **Printmaking**.

This course is designed for students seriously committed to studying art and the cultivation of advanced skills, in a variety of media that are equivalent to a first year college Foundation Art Course. The course will follow the Advanced Placement Portfolio guidelines for the Quality and Breadth sections for AP 2-D Design submission. Course work combines class studio assignments with art theory, art history, journal work and critiques. Outside class assignments are required on a regular basis. It is recommended that students sign up for the sister course, **H0441 – CONCENTRATION PORTFOLIO AP**, in the spring, to complete a well-rounded portfolio and meet the necessary required elements for AP College Board Portfolio submission.

H0441 CONCENTRATION PORTFOLIO AP – SECOND SEMESTER

0.5 Credit

Grade 12

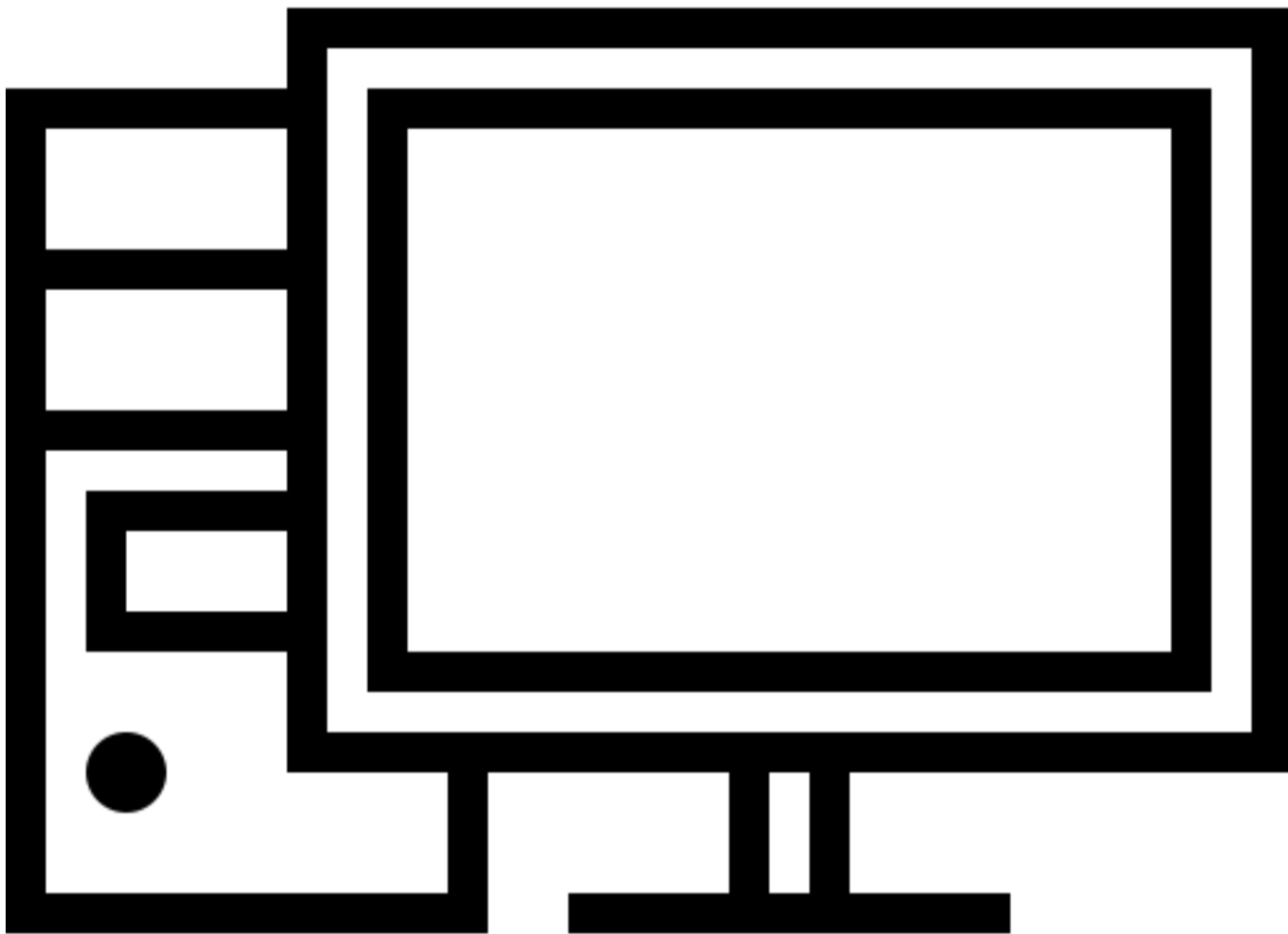
Prerequisites: Department Recommendation and Portfolio / Interview acceptance of the Art

Coordinator. Course Requirements: Minimum grade of “C” in Fundamentals of Design, Drawing I and Drawing II. Prior or concurrent scheduling of Drawing III, Drawing IV, Painting or Printmaking.

This course is designed for students seriously committed to studying art and the cultivation of advanced skills, in a variety of media that are equivalent to a first year college Foundation Art Course. The course will follow the Advanced Placement Portfolio guidelines for the Concentration section for AP 2-D Design submission. Course work combines class studio assignments with art theory, art history, journal work and critiques. Outside class assignments are required on a regular basis as students will target and explore a chosen Visual Idea. Work will focus on a process of investigation to lead students through a plan of action toward growth and discovery. It is recommended that students sign up for the sister course, **H00431 – BREADTH PORTFOLIO AP**, in the fall prior to taking this course. This will facilitate the only possible way to successfully complete the required elements for complete portfolio submission to the College Board.

Chapter 3 | Section 2

Business, Computer, and Information Technology



BUSINESS COMPUTER AND INFORMATION TECHNOLOGY COURSE OFFERINGS

COURSE SUGGESTIONS BASED ON COLLEGE BOUND/CAREER PATH INTEREST

If you are planning on a career in Business after high school, the Business Education Department recommends you elect the following courses for your specific career path.

<u>ACCOUNTING</u>	<u>BUSINESS ADMINISTRATION</u>	<u>MARKETING</u>	<u>FINANCE</u>	<u>BUSINESS INFORMATION SYSTEMS</u>
Accounting I	Accounting I	Accounting I	Accounting I	MS Word/Power Point
Accounting II	Accounting II	Introduction to Marketing	Accounting II	MS Excel/Access
Entrepreneurship I/ Business Leadership	Entrepreneurship I/ Business Leadership	Sports and Entertainment Marketing	Entrepreneurship I/ Business Leadership	Advanced Office
Entrepreneurship II	Entrepreneurship II	Entrepreneurship II	Entrepreneurship II	Accounting I
MS Excel/Access	Marketing in Business, Sports & Entertainment	Entrepreneurship I/ Business Leadership	Personal Financial Literacy	Personal Financial Literacy
MS Word/Power Point	MS Word/Power Point	MS Word/Power Point	MS Excel/Access	
Personal Financial Literacy	Personal Financial Literacy	Personal Financial Literacy		
		Digital Media Marketing		

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Even or Odd	Weighted Course Value
H5203	Accounting I	10-12	S	E	1		
H5213	Accounting II – Honors	11-12	S	E	1		Value III
H5611	Introduction to Marketing	9-12	S	A	0.5		
H5621	Sports and Entertainment Marketing	10-12	S	A	0.5		
H5631	Entrepreneurship I/Business Leadership	9-12	S	A	0.5		
H5633	Entrepreneurship II	11-12	S	E	1		Value IV
H5641	Personal Financial Literacy	11	S	A	0.5		
H5721	Microsoft Word/ PowerPoint	9-12	S	A	0.5		
H5731	Microsoft Excel/Access	10-12	S	A	0.5		
H5751	Advanced Microsoft Office	11-12	S	A	0.5		
H5293	Introduction to Business (CHS BUS 101)	11-12	S	E	1		Value IV
H5393	Principals of Marketing (CHS MKTG 201)	11-12	S	E	1		Value IV
H5493	Principles of Management (CHS MGMT 201)	11-12	S	E	1		Value IV

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

H5203 ACCOUNTING I

1 Credit

Grades 10-12

Accounting I is an introductory course covering the main concepts of modern day accounting, including the famous accounting equation. Initially, the entire accounting cycle is developed and learned using manual records. After gaining the manual knowledge, the students apply their knowledge using computers and accounting software for merchandising, manufacturing, and service businesses. Students gain the ability to record business transactions, create financial statements, and analyze financial statements in accordance with the standards of accounting. After completing this class, students will have the skills needed to be a book-keeper for a small business.

H5213 ACCOUNTING II – HONORS

1 Credit

Grades 11-12

Prerequisite: Accounting I (C+ or higher)

Accounting II continues developing the student's mastery of the accounting concepts. This honors course develops abilities that help students read and analyze financial statements of companies. Students will spend a portion of the semester studying financial accounting and managerial accounting. Financial accounting covers the external uses of accounting, mainly the production of accurate financial statements. Managerial accounting focuses on the internal uses of accounting, the development of reports used to make well-founded financial decisions. This course has a strong focus building the student's financial analytical abilities.

H5611 INTRODUCTION TO MARKETING

0.5 Credit

Grades 9-12

This course serves as an introduction to the fundamental principles and practices of marketing,

providing students with a comprehensive understanding of the key concepts that drive business and organizations. From market research to creating impactful advertising campaigns, this course is designed to lay the foundation for a lifelong journey into the exciting field of marketing. Emphasis will be placed on the 4 P's of Marketing: Product, Price, Place, and Promotion. By the end of the course, students will have gained a solid foundation in marketing principles, allowing them to critically analyze marketing strategies, understand consumer motivations, and appreciate the role of marketing in various industries. After successfully completing this course, students will be prepared to take Sports and Entertainment Marketing as well as Digital Media Marketing. (Students who previously took H5613 Marketing in Business, Sports, and Entertainment are not eligible to take this course.)

H5621 SPORTS AND ENTERTAINMENT MARKETING

0.5 Credit

Grades 10-12

Prerequisite: Introduction to Marketing (C+ or higher)

Welcome to the exciting world of Sports and Entertainment Marketing! This dynamic course is designed to immerse students in the strategic and creative aspects of marketing within the thrilling realms of sports and entertainment. From analyzing marketing strategies for major sports events to understanding the unique challenges of promoting entertainment products, this course provides a comprehensive exploration of the marketing landscape and the sports and entertainment industries. Topics include an overview of the sports and entertainment industries, market research and consumer behavior, brands in sports and entertainment, promotion and advertising, event management, and ethics in sports and entertainment. By the end of the course, students

will have a deep understanding of the marketing principles and strategies unique to the sports and entertainment industries. They will be equipped with practical skills that can be applied to pursue careers in marketing, event management, sports management, and related fields. (Students who previously took H5613 Marketing in Business, Sports, and Entertainment are not eligible to take this course.)

H5301 DIGITAL MEDIA MARKETING

0.5 Credit

Grades 10-12

Prerequisite: Introduction to Marketing or Sports and Entertainment Marketing (C+ or higher)

Digital Media Marketing is at the forefront of modern marketing! In this course, we dive deep into the dynamic realm of Digital Media Marketing, where creativity meets strategy in the ever-evolving digital landscape. From social media campaigns to content creation and analytics, students will explore the tools and techniques that drive successful digital marketing efforts. All social media platforms will be explored. Students will engage in hands-on, project-based learning experiences, testing and executing digital marketing campaigns. Emphasis will be placed on applying theoretical concepts to practical scenarios, fostering creativity and critical thinking. By the end of this course, students will have developed a robust skill set in digital media marketing, equipping them with the knowledge and abilities to navigate the dynamic world of online marketing. They will be prepared to apply these skills into various professional settings or pursue further studies in marketing and related fields.

H5631 ENTREPRENEURSHIP I/BUSINESS LEADERSHIP

0.5 Credit

Grades 9-12

In this course, students learn the essential attributes of an entrepreneur and the stages a person goes through in taking an idea and growing it into a successful business. This course provides practical insights into the differences between effective leadership and management by exploring workplace concepts.

H5633 ENTREPRENEURSHIP II

1 Credit

Grades 11-12

Prerequisite: Entrepreneurship I/ Business Leadership (C+ or higher)

Prerequisite: successful completion of Entrepreneurship/Business Leadership I or written recommendation from a HSD BCIT teacher with approval of Entrepreneurship II teacher.

Entrepreneurship II is a one-credit course designed to provide students with in-depth entrepreneurial skills needed to effectively problem solve, organize, develop, create, and manage a business.

This course will be offered in conjunction with the University of Iowa's BizInnovator. The opportunity to earn three college credits in Entrepreneurship is available.

H5641 PERSONAL FINANCIAL LITERACY

0.5 Credit

Grade 11

Requirement

This course will provide comprehensive classroom experiences that allow students to develop the knowledge and skills needed to make informed decisions as a consumer. Students will develop the financial skills related to income, taxes, financial planning, banking, consumer credit, budgeting,

savings and investment, and insurance. Guest speakers and technology integrated learning experiences will be experienced throughout the course.

H5731 MS EXCEL AND ACCESS

0.5 Credit

Grades 10-12

Using Microsoft Office certified texts, students will be able to communicate ideas effectively, achieve more in less time, and stay on top of information. Whether you are an expert or a novice, the spreadsheet and database programs will help you work more efficiently, turning your data into answers you can count on. These two Office components are very popular programs utilized in the business environment.

MS Excel will help students analyze data and find solutions. Students will organize and calculate data, track financial data, and create charts and graphs.

MS Access will help students learn to sort, store, retrieve, analyze, and report information in a database.

It is recommended that this course be taken with MS Word and PowerPoint.

H5751 ADVANCED OFFICE

0.5 Credit

Grades 11-12

Prerequisite: MS Word/PowerPoint and MS Excel/Access

To elect this course, students must meet the prerequisite or be approved by a Business teacher. Using simulations and teacher-prepared projects, students will integrate the word processing, spreadsheet, database, and presentation software applications they have learned in previous computer courses. Time will also be spent on Internet projects and web page design.

H5721 MS WORD AND POWERPOINT

0.5 Credit

Grades 9-12

Using Microsoft Office certified texts, students will gain the tools needed to be more efficient. By using the word processing and presentation software, students will be able to communicate ideas effectively, achieve more in less time, and stay on top of information. These two Office components are very popular programs utilized in both the educational and business environment.

MS Word will help students develop proficiency in editing, centering, formatting reports and term papers, preparing tables, composing letters, constructing outlines, and working with various other business documents.

MS PowerPoint allows students to enhance their oral presentations by creating dynamic online slide-shows. Presentations can include: handouts, outlines, speakers' notes, charts, and clipart.

H5293 INTRODUCTION TO BUSINESS CHS BUS 101

1.0 Credit

Grades 11-12

Prerequisite: Successful completion of any HHS BCIT class and MUST be accepted to HACC

This College in the High School course introduces students to the broad field of business. This course covers an overview of the basic functions of business including management, marketing, finance, accounting, and human resources. This course also introduces students to basic economic systems and discusses the importance of ethics and corporate social responsibility to business success. This course will be taught by a HACC-approved Hempfield instructor and will be an asynchronous, virtual course. Thus, to enroll in this Hempfield class, you must enroll in the HACC class

in order to have access to the online platform.
Further directions will be provided for students who select this course.

H5493 PRINCIPALS OF MANAGEMENT CHS HACC MGMT 201

1.0 Credit

Grades 11-12

Prerequisite: Successful completion of any HHS BCIT class and MUST be accepted to HACC and meet their eligibility requirement for ENGL 003, 007, 057, or ESL 070.

This College in the High School course introduces students to the primary functions of management and management theory. This course covers the knowledge and skills needed for planning, organizing, leading, and controlling modern organizations. Students are able to discuss current events and issues –ethics and social responsibility, organizational culture, global management and technology– and the impact experienced by managers and management. This course will be taught by a HACC-approved Hempfield instructor and will be an asynchronous, virtual course. Thus, to enroll in this Hempfield class, you must enroll in the HACC class in order to have access to the online platform. Further directions will be provided for students who select this course.

H5393 PRINCIPALS OF MARKETING CHS HACC MKTG 201

1.0 Credit

Grades 11-12

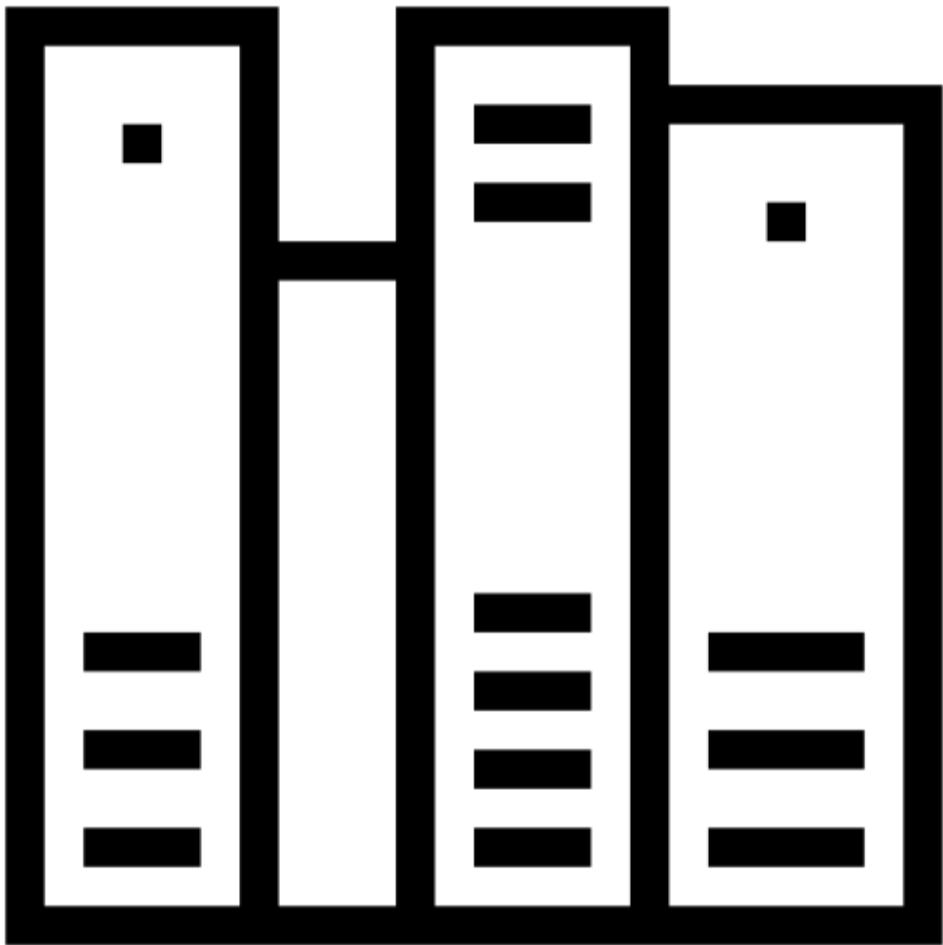
Prerequisite: Successful completion of any HHS BCIT class and MUST be accepted to HACC and meet their eligibility requirement for ENGL 003, 007, 057, or ESL 070.

This College in the High School course introduces students to the functions involved in marketing of consumer and industrial goods to their users. Emphasis is placed upon management's

development of marketing strategies concerning product, place, promotion, and price. This course will be taught by a HACC-approved Hempfield instructor and will be an asynchronous, virtual course. Thus, to enroll in this Hempfield class, you must enroll in the HACC class in order to have access to the online platform. Further directions will be provided for students who select this course.

Chapter 3 | Section 3

English Language Arts



ENGLISH LANGUAGE ARTS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Even or Odd	Value II (College Prep); Value III (Honors); Value IV (AP)
H1163	English 9	9	S	E	1		Value I
H1173	English 9 CP	9	S	E	1		Value II
H1183	English 9 Honors	9	S	E	1		Value III
H1263	English 10	10	S	E	1		Value I
H1273	English 10 CP	10	S	E	1		Value II
H1283	English 10 Honors	10	S	E	1		Value III
H1463C	Literary Analysis: Sports Literature	11 or 12	S	E	1		Value IA
H1463D	Literary Analysis: Science Fiction and Dystopian Literature	11 or 12	S	E	1		Value IA
H1463G	Literary Analysis: Definition of Success	11 or 12	S	E	1		Value IA
H1473A	Literary Analysis: British Literature CP	11 or 12	S	E	1		Value II
H1473B	Literary Analysis: Eco-Literature CP	11 or 12	S	E	1		Value II
H1473C	Literary Analysis: Sports Literature CP	11 or 12	S	E	1		Value II
H1473D	Literary Analysis: Science Fiction and Dystopian Literature CP	11 or 12	S	E	1		Value II
H1473E	Literary Analysis: Mystery, Suspense, and Horror CP	11 or 12	S	E	1		Value II
H1473F	Literary Analysis: Modern American Voices of Resilience CP	11 or 12	S	E	1		Value II
H1483	Literary Analysis: World Literature Honors	11 or 12	S	E	1		Value III
H1483D	Literary Analysis: Science Fiction and Dystopian Literature Honors	11 or 12	S	E	1		Value III
H1483F	Literary Analysis: Modern American Voices of Resilience Honors	11 or 12	S	E	1		Value III
H1393	AP Language and Composition	11 or 12	S	E	1		Value IV
H1493	AP Literature and Composition	11 or 12	S	E	1		Value IV
H1511	Communications	9-10	S	A	0.5		
H1521	Speech	11-12	S	A	0.5		
**H1551	Journalism I	10-12	S	A	0.5		
**H1561	Journalism II	10-12	S	A	0.5		
*H1581	Introduction to Theater	9-12	S	A	0.5		
*H1591	Theater Techniques	9-12	S	A	0.5		
**H1603	Advanced Theater Techniques	10-12	S	A	0.5		
**H1631	Creative Writing I	9-12	S	A	0.5		
**H1641	Creative Writing II	9-12	S	A	0.5		
*H1651	History of American Film	10-12	S	A	0.5		
**H6193	College in the High School: Intro. to Film	11-12	S	E	1		Value IV
**H1801	Communication Tech. I	9-12	S	A	0.5		
*H1813	Communication Tech. II	9-12	S	E	1		
**H1823	Communication Tech. III	10-12	S	E	1		
*H1833	Communication Tech. IV	11-12	S	E	1		
*H1843	Communication Tech. V	12	S	E	1		
**H1853	Communication Tech. VI	12	S	E	1		

H1853A	Fundamentals of English 9	9	S	E	1		Value I
H1863A	Fundamentals of English 10	10	S	E	1		Value I
H1873A	Fundamentals of English 11	11	S	E	1		Value I
H1883A	Fundamentals of English 12	12	S	E	1		Value I
H9413A	Fundamentals of Literacy 9A	9	S	E	1		
H9413B	Fundamentals of Literacy 9B	9	S	E	1		
H9423A	Fundamentals of Literacy 10A	10	S	E	1		
H9423B	Fundamentals of Literacy 10B	10	S	E	1		
H9433A	Fundamentals of Literacy 11A	11	S	E	1		
H9433B	Fundamentals of Literacy 11B	11	S	E	1		
H9443A	Fundamentals of Literacy 12A	12	S	E	1		
H9443B	Fundamentals of Literacy 12B	12	S	E	1		

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

ENGLISH LANGUAGE ARTS COURSE OFFERINGS

Four (4.0) units of credit are required to meet the graduation requirements. This includes 1 English 9 course, 1 English 10 course, and 2 selections from the literary analysis or AP course offerings in grades 11 and 12. Students take the Keystone Literature exam at the end of their English 10 course. Students not demonstrating proficiency on the first attempt must participate in the Keystone re-test. Students who do not demonstrate proficiency after the second attempt must explore the alternate [pathways to graduation](#).

Course Weight	Value I/A	Value II (College Prep)	Value III (Honors)	Value IV (AP)
Grade 9 (choose 1)	English 1163 English 9	English 1173 English 9 CP	English 1183 English 9 Honors	
Grade 10 (choose 1)	English 1263 English 10	English 1273 English 10 CP	English 1283 English 10 Honors	
Grade 11/12 (choose 2)	English 1463G Literary Analysis: Definition of Success	English 1473A Literary Analysis: British Literature CP	English 1483 Literary Analysis: World Literature Honors	English 1393 AP Language and Composition
	English 1463C Literary Analysis: Sports Literature	English 1473B Literary Analysis: Eco- Literature CP		
	English 1463D Literary Analysis: Science Fiction and Dystopian Literature	English 1473C Literary Analysis: Sports Literature CP	English 1483D Literary Analysis: Science Fiction and Dystopian Literature Honors	
		English 1473D Literary Analysis: Science Fiction and Dystopian Literature CP		
		English 1473E Literary Analysis: Mystery, Suspense, and Horror CP	English 1483F Literary Analysis: Modern American Voices of Resilience Honors	
		English 1473F Literary Analysis: Modern American Voices of Resilience CP		

1 Credit

This English course is designed to emphasize the essential standards of reading, writing, speaking, and listening. Students will read a variety of texts to enhance their comprehension, writing skills, and critical thinking. The course also includes Keystone preparation.

1 Credit

This English course stresses composition, literature, grammar, usage, and speech in order that students may improve important communication skills. Emphasis is on writing improvement, literary awareness, vocabulary in context, and Keystone preparation. All students complete a required research paper.

1 Credit

An accelerated program for students, this course introduces major types of writing, encourages wide and varied reading, develops speaking skills, refines composition skills through grammar study, expands vocabulary, and includes Keystone preparation. Writing skills are emphasized. A formal research paper is required. Students selecting this course must complete an assigned reading project as preparation for the course.

1 Credit

Prerequisites: Teacher Recommendation & successful completion of *English 9*

Through a thematic study of American literature, this course is designed to emphasize the essential standards of reading, writing, speaking, and listening. Students will read historical texts that are paired with a modern perspective to gain a broad understanding of

H1273 ENGLISH 10 CP

1 Credit

Grade 10

Prerequisite: Successful completion of English 9.

Through a thematic study of American literature, this course is designed to emphasize the essential standards of reading, writing, speaking, and listening, and vocabulary. Students will read historical texts that are paired with a modern perspective to gain an in-depth understanding of the enduring themes in American literature. All students complete a required research paper. This course culminates with a Keystone Literature Exam.

1 Credit

Grade 10

Prerequisite: Successful completion of **English 9**.

Through a thematic study of American literature, this course is designed to emphasize the essential standards of reading, writing, speaking, and listening. Students will read historical texts that are paired with a modern perspective and will critically examine the enduring themes in American literature. All students complete a required research paper. Students selecting this course must complete an assigned reading project as preparation for the course. This course culminates with a Keystone Literature Exam.

ENGLISH 11/12 SELECTIVE COURSES (VALUE 1)

1 Credit

Grade 11 or 12

This course fulfills a required English credit.

By exploring in historical and modern texts the definition of success--personal, cultural, social, and economic, this course will develop and refine reading, writing, listening, speaking, vocabulary, research, and language skills. Students will complete a research

paper which identifies qualities that make an individual person successful as well as compile a portfolio of career acquisition documents and 21st century professional writing samples.

H1463C LITERARY ANALYSIS: SPORTS LITERATURE

1 Credit

Grade 11 or 12

This course fulfills a required English credit.

By exploring sports-related topics through a variety of genres, students will develop and refine reading, writing, listening, speaking, vocabulary, research, and language skills. Focusing on historical and present day sports at the local, collegiate, and professional level, students will examine the impact sports have had on the culture and historical development of the United States. Writing and research will be paired with speaking skills through debates, discussions, and critical analysis. A research paper is a requirement of this course.

H1463D LITERARY ANALYSIS: SCIENCE FICTION AND DYSTOPIAN LITERATURE

1 Credit

Grade 11 or 12

This course fulfills a required English credit.

Students will explore science fiction-related topics through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of multiple novels, and the completion of both a research paper and a formal presentation, students will examine the impact science fiction and dystopian literature has had on the world. This course will explore both classic and modern science fiction/dystopian authors, and will work to integrate classic vocabulary study with creative and exploratory writing opportunities.

ENGLISH 11/12 SELECTIVE COURSES (VALUE II COLLEGE PREP)

H1473A LITERARY ANALYSIS: BRITISH LITERATURE CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

Students will examine timeless tales of literary heroes to explore the cultural and historical contexts that shape British literature through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of classic and contemporary fiction, nonfiction, poetry, speeches, and drama, as well as the completion of a research paper, students will identify traits of epic, romantic, tragic, anti, and everyday heroes and how authors use various forms of storytelling to capture the enduring elements of human nature. This course will integrate vocabulary in context and provide creative and expository writing opportunities.

H1473B LITERARY ANALYSIS: ECO-LITERATURE CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

By exploring the theme of eco-literature through a variety of genres, students will develop and refine reading, writing, listening, speaking, vocabulary, research, and language skills. Students will encounter literature reflecting ecological issues which demonstrate various cultural, social, and personal experiences. Writing and research will be paired with speaking skills through debates, discussion, and critical analysis on how literature treats the subject of nature. A research paper is a requirement for this course.

H1473C LITERARY ANALYSIS: SPORTS LITERATURE CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

By exploring sports-related topics through a variety of genres, students will develop and refine reading, writing, listening, speaking, vocabulary, research and language skills. Focusing on historical and present day sports at the local, collegiate, and professional level, students will examine the impact sports have had on the culture and historical development of the United States. Writing and research will be paired with speaking skills through debates, discussion, and critical analysis. A research paper is a requirement for this course.

H1473D LITERARY ANALYSIS: SCIENCE FICTION AND DYSTOPIAN LITERATURE CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

Students will explore science fiction-related topics through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of multiple novels, and the completion of both a research paper and a formal presentation, students will examine the impact science fiction and dystopian literature has had on the world. This course will explore both classic and modern science fiction/dystopian authors, integrate vocabulary in context, and provide creative and expository writing opportunities.

H1473E LITERARY ANALYSIS: MYSTERY, SUSPENSE, AND HORROR CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

Students will explore mystery, suspense, and horror-related topics through a variety of genres in an effort to

develop and refine the essential skills of reading, writing, speaking, and listening. Through the study of fiction, nonfiction, and drama, as well as the completion of a research paper, students will identify elements of the genre and examine the impact mystery, suspense, and horror literature has had on the world. This course will explore both classic and modern authors, integrate vocabulary in context, and provide creative and expository writing opportunities.

H1473F LITERARY ANALYSIS: MODERN AMERICAN VOICES OF RESILIENCE CP

1 Credit

Grade 11 or 12

This College-Prep weighted course fulfills a required English credit.

Students will explore modern American literature with a focus on resiliency through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of fiction, nonfiction, and drama, and the completion of a research paper, students will examine the progression of modern and post-modern American literature. This course will explore American authors from 1940 to the present, integrate vocabulary in context, and provide creative and expository writing opportunities.

ENGLISH 11/12 SELECTIVE COURSES (VALUE III HONORS)

H1483 LITERARY ANALYSIS: WORLD LITERATURE HONORS

1 Credit

Grade 11 or 12

This honors-weighted course fulfills a required English credit.

By exploring multiple voices from world literature, students will develop and refine reading, writing, listening, speaking, vocabulary, research, and language skills. The Honors World Literature course will examine the historical, social, and cultural forces that shaped literature around the globe as well as themes which

transcend culture, geography, and time. Students will read selections from ancient and modern texts, as well as a variety of genres and narrative perspectives. Writing and research will be paired with speaking skills through debates, discussion, and critical analysis. A research paper is a requirement for this course.

H1483D LITERARY ANALYSIS: SCIENCE FICTION AND DYSTOPIAN LITERATURE HONORS

1 Credit

Grade 11 or 12

This Honors weighted course fulfills a required English credit.

Students will explore science fiction-related topics through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of multiple novels and the completion of both a research paper and formal presentation, students will examine the impact science fiction and dystopian literature has had on the world. This class will explore both classic and modern science fiction /dystopian authors, integrate vocabulary in context, and provide creative and expository writing opportunities. This course will also include a summer reading assignment.

H1483F LITERARY ANALYSIS: MODERN AMERICAN VOICES OF RESILIENCE HONORS

1 Credit

Grade 11 or 12

This Honors weighted course fulfills a required English credit.

Students will explore modern American literature with a focus on resiliency through a variety of genres in an effort to develop and refine their essential skills of reading, writing, speaking, and listening. Through the study of fiction, nonfiction, and drama, and the completion of a research paper, students will examine the progression of modern and post-modern American literature. This course will explore American authors from 1940 to the present, integrate vocabulary in context, and provide creative and expository writing

opportunities. This course will also include a summer reading assignment.

H1393 ENGLISH AP ENGLISH LANGUAGE AND COMPOSITION

1 Credit

Grade 11 or 12

Equivalent to a college composition course, this AP class engages students in a study of rhetoric and writing through the analysis of a variety of complex and rhetorical texts. Students will evaluate, research, and synthesize information to create rich prose for a variety of purposes and audiences. Additionally, students will study rhetorical choices, grammar, semantic structures as they relate to meaning and author's purpose. Students selecting AP English must complete a reading assignment prior to the start of the course. Successful completion of this course will prepare students for the AP exam. Students taking this class have the option to enroll in the University of Pittsburgh's College in the High School program and earn 3 credits for the class COMMRC 0500 Argument.

ENGLISH 11/12 SELECTIVE COURSES (VALUE IV AP)

H1493 ENGLISH AP LITERATURE AND COMPOSITION

1 Credit

Grade 11 or 12

Equivalent to a college English course, this AP English class focuses on in-depth reading, analysis, and discussion of selected works of literature, as well as an introduction to literary critical perspectives. The course emphasizes developing independence of thought, and mature habits of critical thinking. Classroom discussion and active participation are required. Frequent in-class essays, short expository papers, seminar presentations and a teacher-approved research paper are required. Students selecting AP English must read three novels from a selected reading list and complete a summer reading journal, as preparation for the course. These works and the journal will serve as a foundation for class discussion, in class essays, and the research

paper. Successful completion of this course will prepare students for the AP Literature and Composition examination.

COURSE DESCRIPTIONS: ELECTIVE COURSE OPTIONS

H1511 COMMUNICATION

0.5 Credit

Grades 9-10

This course will include the basic elements of communication such as identifying speaker and listener, using greetings, and being aware of body language. This course will focus on listening skills; non-verbal and para-verbal elements of speech; intrapersonal vs interpersonal communication; written vs. spoken modes; and digital vs. analog communication. Students will build confidence in fundamental skills for everyday communication. This course is designed for freshmen and sophomores.

H1521 SPEECH

0.5 Credit

Grades 11-12

This class will primarily focus on public speaking in formal and professional settings. The students will focus on using academic sources through the library and databases to create persuasive and informative speeches, partake in debate and argument, explore oral interpretation, and create special occasion speeches that require a unique set of skills and experience. This course is highly-recommended for all junior and senior students intending to continue their education beyond high school. (Students who already took H1531 Speech and Communication are not eligible for this course.)

H1551 JOURNALISM I

0.5 Credit

Grades 10-12

Journalism is designed for students who desire to learn about writing for publication or who write for personal pleasure. All aspects of creative and standard writing are studied in a workshop atmosphere with a clinical approach under teacher supervision. Areas emphasized

are news, features, sports, and editorial writing. ***This course does not fulfill an English credit for graduation requirements.***

H1561 JOURNALISM II

0.5 Credit

Grades 10-12

Prerequisite: Journalism I

Journalism II is designed for students who have successfully completed Journalism I. Students in this course will take this class in combination with the students in Journalism I, and will serve as editors for the newspaper staff. Students will take on leadership roles and expand on their journalism skills that they learned in Journalism I. ***This course does not fulfill an English credit for graduation requirements.***

H1581 INTRODUCTION TO THEATER

0.5 Credit

Grades 9-12

Introduction to Theater is designed to acquaint the student with acting as a creative force in the theater. It will introduce the student to body awareness, movement for the actor, vocal techniques, improvisation, characterization, monologues, audition etiquette, the basics of play production, multiple person scenes, and performance. The course will be an activity-oriented course, which will provide students with basic verbal and non-verbal communication skills, in addition to the principles of acting and performance. Student participation and performance will be a major portion of the course. ***This course does not fulfill an English credit for graduation requirements.***

H1591 THEATER TECHNIQUES

0.5 Credit

Grades 9-12

Prerequisite: Introduction to Theater

Theater Techniques is designed for the advanced students of theater who has successfully completed Theater I or has permission from the instructor. This

course will broaden the student's knowledge of the basic techniques of performance and production by offering additional student-directed performances. Additionally, students will study the history of theater, theater occupations and terminology, theater styles, advanced characterization study, acting for the camera versus acting for the stage, and theater production. Students will be required to write and direct their own original productions. Student participation and performance will be a major portion of the course. ***This course does not fulfill an English credit for graduation requirements.***

H1603 ADVANCED THEATER TECHNIQUES

1.0 Credit

Grades 10-12

Prerequisite: Introduction to Theater and Theater Techniques

Advanced Theater Techniques is built upon skills mastered in previous theater courses and is intended for the serious student of drama who is considering a vocation or avocation in theater, film, or the performing arts. Students in this course will be paired with an Introduction to Theater course. Over the course of the semester Advanced Theater Techniques students will be creating a script that will be used as the final production for the Introduction to Theater students. Students will develop all aspects of their script for production (sets, props, costumes, lighting, and sound), and audition, cast, and direct Introduction to Theater students in a production of their script. In addition students will study television and film acting, stage makeup, stage combat, musical theater, history of theater, period styles, and playwrights. Student participation and performance will be the main emphasis of the course. ***This course does not fulfill an English credit for graduation requirements.***

H1631 CREATIVE WRITING

0.5 Credit

Grades 9-12

This course is designed to give students who have already mastered basic writing skills a creative outlet.

The course will use the writing process in developing personal essays, short stories, plays, and poems. Students will focus on developing characters, plot, and dialogue in plays and stories and on mastering imagery, meter, and rhythm in poetry. ***This course does not fulfill an English credit for graduation requirements.***

H1641 CREATIVE WRITING II

0.5 Credit

Grades 9-12

Prerequisite: Creative Writing

This course is designed to give students who have already mastered basic writing skills a creative outlet. The course will use the writing process in developing personal essays, short stories, plays, and poems. Students will focus on developing characters, plot, and dialogue in plays and stories and on mastering imagery, meter, and rhythm in poetry. ***This course does not fulfill an English credit for graduation requirements.***

H1651 HISTORY OF AMERICAN FILM

0.5 Credit

Grades 10-12

Prerequisite: English 9

History of American Film is a chronological study of American film from its 19th century origins through Hollywood's Golden Age to the present. The study will begin with the "Magic Lantern" and Nickelodeon era. Students will then examine silent films and the development of Hollywood as the geographical center of American film. Other major units will include the Advent of the "Talkies," Film and the Great Depression, Hollywood Goes to War, the Golden Age of Hollywood, Hollywood and the Turbulent Sixties, and Hollywood Today. Ancillary topics include individual studios and stars, film technique, and the economics of film. In addition to tests and frequent quizzes, students will be required to write one page reflections on two films per unit, participate in class discussions, take notes while viewing each film, and provide unique insight to small group discussions that will follow certain films throughout the course. ***This course does not fulfill an English credit for graduation requirements.***

H1693 COLLEGE IN THE HIGH SCHOOL: INTRODUCTION TO FILM

1.0 Credit

Grades 11-12

Introduction to Film (ENGFLM 0400) is a college-level course on the visual arts that offers students a broad introduction to the medium of film while inviting conversations about new media, television, and film's connection to other arts, including photography, painting, theater, and web video. The course teaches students with no background in media studies how to analyze media in terms of art, industry, and culture. The class will consider such issues as: the process of contemporary film production and distribution; the nature of basic film forms; selected approaches to film criticism; comparisons between film and the other media; genre; auteurism; marketing; diversity of representation. Other required courses in Film and Media Studies concentrate on the language of film and its component parts, so Introduction to Film concentrates less on form and more on the cultural elements of film. Because this is a college-level course, it will include mature content. " See more information on [College in the High School on page 131](#). ***This course does not fulfill an English credit for graduation requirements.***

H1801 COMMUNICATION TECHNOLOGY I

0.5 Credit

Grades 9-12

Part of the English electives program, this course provides motivated students with a hands-on introductory experience in video production. The course explores camera operation, script and storyboard creation, lighting, audio production, and video editing. Also, the history of media and technology, as well as its effect on society will be discussed. By the end of the course, students will create a movie for social media, and have learned all the basic skills necessary to produce the live daily news program in Comm Tech II. Students will be required to complete group projects and a final video project. Students might be required to spend time outside of class to film projects, work in the

communication center, or complete group work. ***This course does not fulfill an English credit for graduation requirements.***

H1813 COMMUNICATION TECHNOLOGY II

1 Credit

Grades 9-12

Prerequisite: Communication Technology I with a C+ or better and/or permission of the instructor.

Part of the English electives program, this course provides motivated students an opportunity to apply the basic video and audio production skills learned in the prerequisite Comm Tech I course. Students will be responsible for creating, organizing and producing the *WHHS Morning Show*, a daily, live news program shown to the entire school. Students learn to work as a team, assume leadership positions, and make technical and creative decisions under the pressure of a deadline. Every student will rotate through all production jobs, both on and off camera. In addition, students will be responsible for producing and editing news features for the news program. Students will need to spend time outside of class to videotape and edit projects or work in the communications center. ***Comm. Tech II is also offered as a yearly every other day option only for students with an irreconcilable half-credit conflict with prior permission of the instructor. This course does not fulfill an English credit for graduation requirements.***

H1823 COMMUNICATION TECHNOLOGY III

1 Credit

Grades 10-12

Prerequisite: Communication Technology II with a C+ or better and/or permission of the instructor.

Part of the English electives program, this course provides the serious student of video production with advanced opportunities to be involved in a regularly produced professional television show airing online, and on local cable television. Comm. Tech. III and IV students work as an actual production company. They work in conjunction with the district's Communications Office to produce *Hempfield*

Happenings, a 30-minute television show which highlights events and information for the entire Hempfield School District. This might require students to leave the building and travel to other schools to cover district events. In addition, students must master the use of editing software. Students are required to be flexible with their schedules, and to spend time outside of class or the school day to videotape projects and work in the communications center. ***This course does not fulfill an English credit for graduation requirements.***

H1833 COMMUNICATION TECHNOLOGY IV

1 Credit

Grades 10-12

Prerequisite: Completion of Communication Technology III with at least a B average and permission of the instructor.

Part of the English electives program, this course provides the serious student of video production with advanced opportunities to be involved in a regularly produced professional television show airing online, and on local cable television. Comm. Tech. III and IV students work as an actual production company. They work in conjunction with the district's Communications Office to produce *Hempfield Happenings*, a 30-minute television show which highlights events and information for the entire Hempfield School District. This might require students to leave the building and travel to other schools to cover district events. In addition, students must master the use of editing software. Students are required to be flexible with their schedules, and to spend time outside of class or the school day to videotape projects and work in the communications center. ***This course does not fulfill an English credit for graduation requirements.***

H1843 COMMUNICATION TECHNOLOGY V

1 Credit

Grade 11-12

Prerequisite: Completion of Communication Technology IV with at least a B+ and permission of the instructor.

Part of the English electives program, this course provides the serious student of media and communications with the experience to serve as a producer, instructor, and director of video programming at Hempfield. Students in this class will work with Comm. Tech. VI students to either (1) produce the WHHS news program, (2) produce a weekly web show as well as maintain a social media presence, (3) produce a complex film, and (4) prepare a portfolio project of Hempfield work. Individual conferences will be held with the teacher to discuss the content and requirements of your independent study. ***This course does not fulfill an English credit for graduation requirements.***

H1853 COMMUNICATION TECHNOLOGY VI

1 Credit

Grade 11-12

Prerequisite: Successful completion of Communication Technology V.

Part of the English electives program, this course provides the serious student of media and communications with the experience to serve as a producer, instructor, and director of video programming at Hempfield. Students in this class will work with Comm. Tech. VI students to either (1) produce the WHHS news program, (2) produce a weekly web show as well as maintain a social media presence, (3) produce a complex film, and (4) prepare a portfolio project of Hempfield work. Individual conferences will be held with the teacher to discuss the content and requirements of your independent study. ***This course does not fulfill an English credit for graduation requirements.***

H9423A FUNDAMENTALS OF LITERACY 10A H9423B FUNDAMENTALS OF LITERACY 10B

H9433A FUNDAMENTALS OF LITERACY 11A H9433B FUNDAMENTALS OF LITERACY 11B

H9443A FUNDAMENTALS OF LITERACY 12A H9443B FUNDAMENTALS OF LITERACY 12B

1 Credit

Students in this course have demonstrated a need for direct instruction in reading and writing. Therefore, the qualifying student's IEP team determines placement in this course, as well as when students may exit the program. This course is designed for students who are reading significantly below their current grade level as demonstrated on the District Approved Benchmark Reading Assessment. In addition, PSSA results indicate Basic or Below Basic performance levels.

This course includes the Read Naturally Program which incorporates reading comprehension, vocabulary, and fluency. REWARDS is used to assist students to improve decoding of multi-syllabic words as well as improving fluency, vocabulary, and spelling. Students will utilize audio recordings, self-assessment, and goal setting skills to improve fluency and comprehension. Reading Advantage, PSSA Performance Indicator, and CLOZE in the Content Area are other programs used to improve reading skills. Technology is also integrated in this course.

H1853A FUNDAMENTALS OF ENGLISH 9

1 Credit

Grade 9

This course is designed to meet the needs of students who are reading significantly below grade level or who have consistently experienced difficulty in meeting minimum expectations in written and oral communication. This course emphasizes literacy skills using short stories, plays, poetry and novels, writing skills (including grammar and mechanics), content-related vocabulary, and spelling. Technology-related projects are also a component of this course. The qualifying student's IEP team determines placement in this course. Progress monitoring is an integral component. The decision to exit the course will also be made by the IEP team.

H1863A FUNDAMENTALS OF ENGLISH 10

1 Credit

Grade 10

This course is designed to meet the needs of students who continue to read significantly below grade level and still experience difficulty in written and oral

communication. This course emphasizes literacy skills using short stories, a graphic novel, poetry and a novel, writing skills (including grammar and mechanics), content-related vocabulary, and spelling. Technology-related projects are also a component of this course. The qualifying student's IEP team determines placement in this course. Progress monitoring is an integral component. The decision to exit the course will also be made by the IEP team.

H1873A FUNDAMENTALS OF ENGLISH 11

1 Credit

Grade 11

This course is designed to meet the needs of students who continue to read significantly below grade level and still experience difficulty in written and oral communication. This course emphasizes literacy skills using short stories, plays, poetry and novels, writing skills (including grammar and mechanics), content-related vocabulary, and spelling. Also, students will complete a research project as part of the course. Technology-related projects are also an element of this course. The qualifying student's IEP team determines placement in this course. Progress monitoring is an integral component. The decision to exit the course will also be made by the IEP team.

H1883A FUNDAMENTALS OF ENGLISH 12

1 Credit

Grade 12

This course is designed to meet the needs of students who continue to read significantly below grade level and still experience difficulty in written and oral communication. This course emphasizes literacy skills using short stories and novels, writing skills (including 61 grammar and mechanics), content-related vocabulary, and spelling. Technology-related projects are also an element of this course. Students will develop a portfolio that includes job applications, resumes and other writing pieces needed to assist the student to prepare for transition. The qualifying student's IEP team determines placement in this course. Progress monitoring is an integral component. The decision to exit the course will also be made by the IEP team.

H9413A FUNDAMENTALS OF LITERACY 9A

H9413B FUNDAMENTALS OF LITERACY 9B

Students in this course have demonstrated a need for direct instruction in reading and writing. Therefore, the qualifying student's IEP team determines placement in this course, as well as when students may exit the program. This course is designed for students who are reading significantly below their current grade level as demonstrated on the District Approved Benchmark Reading Assessment. In addition, PSSA results indicate Basic or Below Basic performance levels.

This course includes the Read Naturally Program which incorporates reading comprehension, vocabulary, and fluency. REWARDS is used to assist students to improve decoding of multi-syllabic words as well as improving fluency, vocabulary, and spelling. Students will utilize audio recordings, self-assessment, and goal setting skills to improve fluency and comprehension. Reading Advantage, PSSA Performance Indicator, and CLOZE in the Content Area are other programs used to improve reading skills. Technology is also integrated in this course.

Chapter 3 | Section 4

English Language Development

ENGLISH LANGUAGE DEVELOPMENT PROGRAM

The HHS ELD program is an instructional program for identified students whose dominant language is not English. The goal of the ELD Program is to provide English Learners (ELs) with instructional support and resources that will enable them to participate fully in their educational experience in our schools and in their social lives in our community. The objectives of the ELD program are to develop interpersonal communication skills and academic language proficiency, while developing proficiency in the language domains of comprehension, listening, speaking, reading, and writing, with full participation in all instructional activities in the regular education curriculum and in extracurricular activities in our schools.

All ELs are appropriately screened and placed in ELD courses commensurate with the student’s level of English proficiency. (LEVELS: Entering to Reaching).

ENGLISH LANGUAGE DEVELOPMENT COURSE OFFERINGS

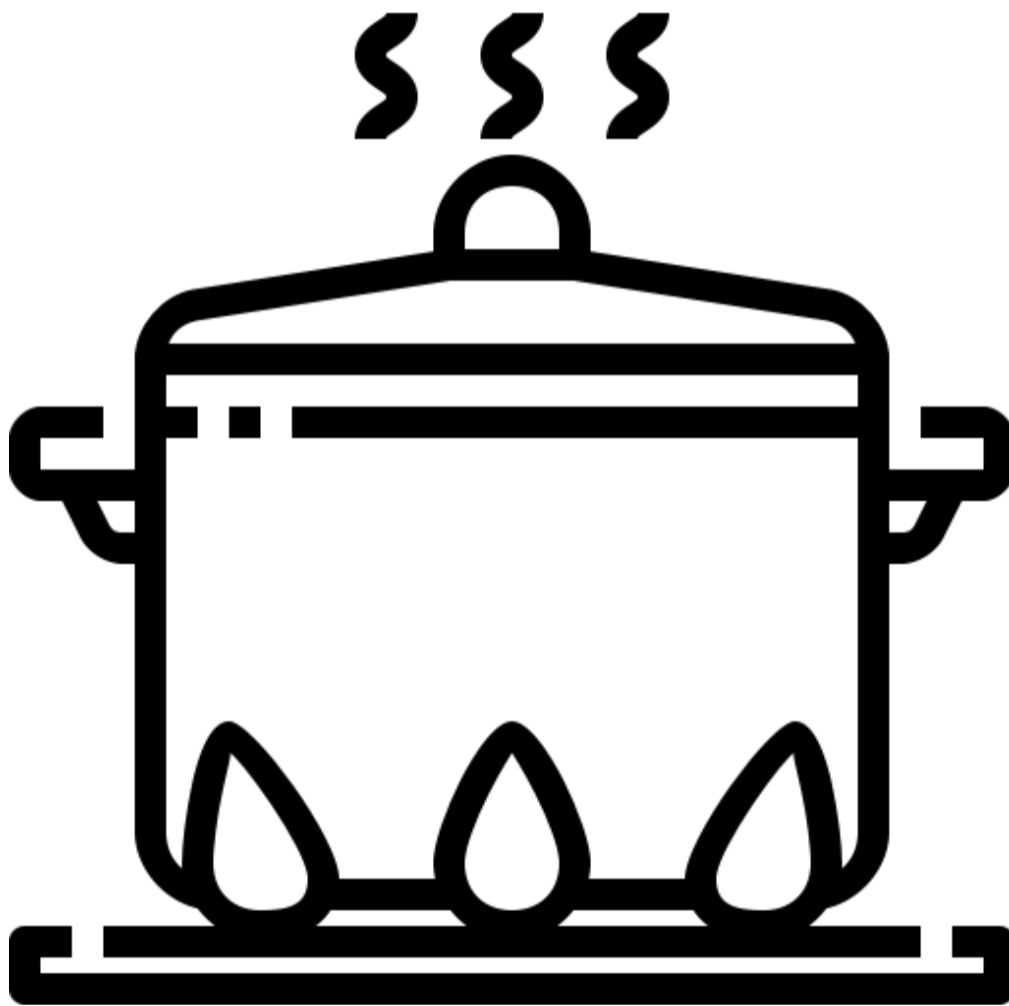
Courses in the English Language Development program are aligned to the English Language proficiency standards. Additionally, English IB and English IIB are aligned to the Pennsylvania Common Core English Language Arts standards and the Keystone Literature eligible content. These two courses only may be used toward the students’ English graduation requirements.

Course Number	Course Title	Semester (S) / Year (Y)	Years Offered*: Odd or Even	Units of Credit/ Year
H9800A	English IA	S		1
H9800B	English IB	S		1
H9800C	English IC	S		1
H9800D	English ID	S		1
H9803A	English IIA	S		1
H9803B	English IIB	S		1
H9813A	English IIIA	S		1
H9813B	English IIIB	S		1
H1983C	English IIIC	S		1
H983D	English IIID	S		1
H9823A	English IVA	S		0.5
H9823B	English IVB	S		0.5
H9811A	ELD Academic Strategies of Success I	S		0.5
H9811B	ELD Academic Strategies of Success II	S		0.5
H9821A	ELD Academic Vocabulary I	S		0.5
H9821B	ELD Academic Vocabulary II	S		0.5
H9831A	ELD Career Pathways I	S		0.5
H9831B	ELD Career Pathways II	S		0.5

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

Chapter 3 | Section 5

Family and Consumer Sciences



FAMILY AND CONSUMER SCIENCES COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Years Offered*: Even or Odd	Units of Credit/ Year	Weighted Course Value
**H8941	Fundamentals of FCS	9	S	A		0.5	
H8701	Healthy and Nutritious Cooking	9-12	S	A		0.5	
H8713	Baking and Pastry Arts	10-12	S	E		1	
H8721	Culinary Arts	9-12	S	A		0.5	
H8733	Global Cuisine	10-12	S	E	EVEN	1	
H8763	Contemporary Fashion I	9-12	S	E		1	
H8773	Contemporary Fashion II	9-12	S	E		1	
H8783	Contemporary Fashion Independent Study	10-12	S	E		1	
H8801	Today's Housing & Interior Design	9-12	S	A	ODD	0.5	
H8823	The Preschool Child	9-12	S	E		1	
H8833	Child Development	9-12	S	E	ODD	1	
H8913	Preschool Laboratory I	9-12	S	E		1	
H8933	Preschool Laboratory II	10-12	S	E		1	
H8993	Introduction to Human Nutrition	11-12	S	E		1	Value IV

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

**Required for Grade 9 students.

H8941 FUNDAMENTALS OF FAMILY AND CONSUMER SCIENCES

0.5 Credit

Grade 9

This course, required of all ninth grade students, provides students with an opportunity to demonstrate proficiency in the PA Academic Standards for Family and Consumer Sciences, as well as Career Education and Work.

Fundamentals of Family and Consumer Sciences is an introductory course focusing on the development of management skills indicative of a healthy person. Topics studied will include personal finances, consumer rights and responsibilities, housing decisions, the family life cycle, interpersonal communication, decision-making skills, science and technology influences, nutrition, weight and meal management, child development, and parenting and career education.

The computerized Real Care Baby Project is experienced by students as a requirement of this course as well.

H8701 HEALTHY AND NUTRITIOUS COOKING

0.5 Credit

Grades 9-12

Do you find yourself wanting to eat healthier? Students will prepare nutritious meals and snacks as they learn about basic nutrients, food groups, and ways to modify recipes to make them healthier. Upon completion of the course, the term "fast food" will take on a whole new meaning as you prepare quick and nutritious dishes that will help you maintain a healthier lifestyle.

H8713 BAKING AND PASTRY ARTS

1 Credit

Grades 10-12

This course is designed to teach the fundamental principles and the creative art of baking. Emphasis is on baking products such as quick breads, yeast breads, cakes, cookies, pies and other pastries. Students will follow recipes and bake from scratch. Various topics include functions of ingredients, accurate measurements, mixing methods, baking terminology, equipment safety and usage.

H8721 CULINARY ARTS

0.5 Credit

Grades 9-12

Culinary Arts provides learners with an introduction to basic food preparation. Emphasis is placed on preparation of a wide variety of foods, the use of correct equipment and techniques, and good consumer practices in the marketplace. Topics of study include: vegetables, fruits, eggs, and dairy. Students learn through teacher demonstration, laboratory experiences, and supplemental online learning experiences.

H8733 GLOBAL CUISINE

1 Credit

Grades 10-12

This course is for the student who wishes to learn about American and International Cuisine. This class is twofold as students have the opportunity to explore the melting pot of flavors and aromas that represent American cuisine and experience and enjoy the vast array of world cuisine. The global effects of geography, climate, heritage, and culture are studied to inform students how these factors influence a country's food selection, and preparation. All this is at their fingertips as students begin to appreciate cultural diversity at the dinner table. **This course is offered every-other year.**

H8763 CONTEMPORARY FASHION I

1 Credit

Grades 9-12

This course is for the student who enjoys sewing and wants to develop basic sewing skills and techniques. Students will select and furnish patterns, fabrics, and supplies needed to complete projects suitable to personal needs and tastes. Some fabrics are available in class. New techniques and fabrics are presented along with craft and gift projects. This course is recommended for any student interested in developing personal skills and also for students interested in a career in textiles, fashion design, or interior design.

H8773 CONTEMPORARY FASHION II

1 Credit

Grades 9-12

Prerequisite: Contemporary Fashion I with a grade of 80% or higher and teacher recommendation.

This course is for the student who enjoys sewing and wants to learn advanced sewing techniques using a variety of patterns and fabrics. Students are given an opportunity to study color, line, and design in clothing. Fashion history, personal wardrobe planning, fabric characteristics and care, and clothing alterations are examined. Individual study of fashion designers is included. This course is recommended for students interested in fashion design or fashion merchandising careers. Students provide their own patterns and materials. Students must be able to work independently with guidance from the instructor.

H8783 CONTEMPORARY FASHION Independent Study

1 Credit

Grades 10-12

Prerequisite: Contemporary Fashion I & Contemporary Fashion II with a grade of 80% or higher and teacher recommendation.

Independent Study is designed for the exemplary contemporary fashion student who is interested in a career in clothing and textiles. Students must have proficiency in construction skills and techniques and have the ability to pursue in-depth study. Students choose to complete projects within advanced course guidelines. Creative and critical thinking, decision making, consumerism, and time/work management are vital in this course. Students provide their own patterns and materials. Some fabrics are available in class. Students must be able to work independently with guidance from the instructor.

H8801 TODAY'S HOUSING AND INTERIOR DESIGN

0.5 Credit

Grades 9-12

Housing structures provide people with the basic need for shelter, but a house or a home means different

things to different people. People take the idea of a home and individualize it to meet their specific needs. This course is designed to help students to identify and develop individual styles and preferences for housing and interior design. Basic topics, ideas, and content are then applied to hands-on projects. Topics will include: housing needs through the life cycle, architectural and furniture styles, principles and elements of design, presentation boards, floor plans, and furniture arrangement. This class is recommended for students interested in a career in interior design. **This course is offered every-other year.**

H8823 THE PRESCHOOL CHILD

1 Credit

Grades 9-12

Due to safety and liability issues when working with children, the discipline records of students will be reviewed prior to acceptance into this course.

The Preschool Child offers an in-depth study of the development of children ages three to five years of age. The areas of physical, social, emotional, and intellectual development are studied. In addition, topics such as discipline, safety, child care and early childhood education are taught. Students will be required to teach one mini-lesson as well as interact with the children who report to the development laboratory 2 days per week. Special units on art, dramatic play and literacy for preschool children are incorporated as hands-on activities in this course.

H8833 CHILD DEVELOPMENT

1 Credit

Grades 9-12

Would you like to be a parent, work with children, or just learn why children do the things they do? Child Development is a course designed for anyone who wants to learn about the developing child from conception through the first two years of life. You will learn about the physical, intellectual, emotional and social development of children and the parenting skills to adapt to each area. This course is beneficial to each and every student of Hempfield High School. Many

students will become parents, aunts, uncles, develop a relationship with a child, have a career as a nurse, doctor, psychologist, educator, social worker, or law enforcement officer. Child Development would be suggested for students interested in The Preschool Child and the Preschool Laboratory courses. **This course is offered every-other year.**

H8913 PRESCHOOL LABORATORY I

1 Credit

Grades 9-12

The Family and Consumer Sciences Department recommends a final average of at least a “C” in The Preschool Child to move onto the next level of Preschool Laboratory classes. Due to safety and liability issues when working with children, discipline records of students are reviewed prior to acceptance into this course.

The Family and Consumer Sciences Department recommends a final average of at least a “C” in the previous course to move onto the next level in the Child Development Laboratory classes.

Preschool Laboratory I is designed to help students better understand the preschool age child through direct interaction 3 days a week in the child development laboratory operated by the students under the supervision of the teacher. The laboratory for children 3-1/2 - 5 years of age is held from September through May throughout the school year. Theory and instruction, preparing instructional materials, discussion of individual child observations, and evaluation are a major part of this course. Each student in this class is expected to serve in the capacity of a student teacher on a weekly basis. This class is recommended for students who are interested in pursuing careers in early childhood education, elementary education, day care, child psychology, and related fields dealing with children or parenting skills.

H8933 PRESCHOOL LABORATORY II

1 Credit

Grades 10-12

The Family and Consumer Sciences Department recommends a final average of at least a “C” in Preschool Lab I to move onto the next level of Preschool Laboratory classes. Due to safety and

liability issues when working with children, discipline records of students are reviewed prior to acceptance into this course.

The Family and Consumer Sciences Department recommends a final average of at least a “C” in the previous course to move onto the next level in the Child Development Laboratory classes.

This course is designed to help students understand the role of a teacher in the child development laboratory classroom. The laboratory class is held from September until May on three days a week. Preparing lesson plans, discussing observations, evaluating, and working on individual children’s case studies formulate the course activities. Each student in this class is expected to serve in the capacity of a student teacher on a weekly basis. This class is recommended for students who are interested in pursuing a career in early childhood education, elementary education, day care, or related fields dealing with children. High school students plan and participate in field trips that reinforce weekly themes.

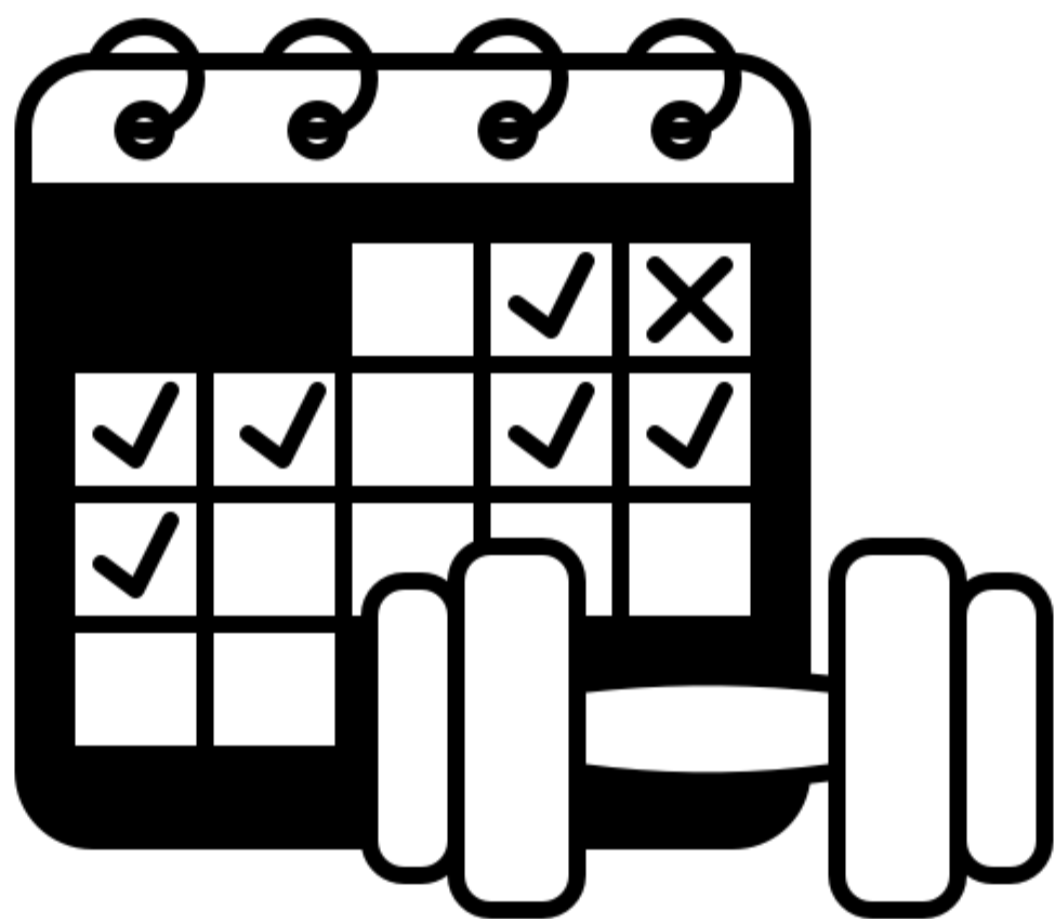
H8993 INTRODUCTION TO HUMAN NUTRITION

1.0 Credit

Grades 11-12

Introduction to Human Nutrition CHS is a college-level course that will cover the scientific principles of nutrition and their applications to humans throughout the lifecycle. Topics include classification and function of the six major nutrients, review of current nutrition standards, safety of the food supply, nutrition misinformation, and diet analysis. This course also teaches students how to apply basic nutrition principles with simple, healthy cooking experiences in the foods lab. Students taking this course have the opportunity to enroll in College in the High School and earn 3 college credits for the class NUTR 1006 through the University of Pittsburgh.

Health & Physical Education



HEALTH, PHYSICAL EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Years Offered*: Odd or Even	Units of Credit/Year
H7111	Physical Education (Personal Wellness & Fitness)	9 (required)	S	A		0.5
H7511	Introduction to Strength Training and Conditioning	10 (required)	S	A		0.5
H7601	Health	10 (required)	S	A		0.5
H7301	Personal Fitness Design	11	S	A		0.5
H7331	Fitness for Life	11	S	A		0.5
H7701	Movement Exploration and Dance	11	S	A		0.5
H7431	Military Fitness	11-12	S	A		0.5
H7621	Sports Medicine	11-12	S	A	EVEN	0.5
H7341	Cardio-Conditioning	11-12	S	A	ODD	0.5
H7571	Sports Performance I	11-12	S	A		0.5
H7581	Sports Performance II	11-12	S	A		0.5
H7591	Sports Performance III	11-12	S	A		0.5
H7721	Sports Officiating	11-12	S	A		0.5
H7541	Advanced Team Sports	12	S	A		0.5
H7531	Net Sports	12	S	A		0.5

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

During the junior year, students must select one of the recommended 11th grade PE options listed in the chart. Any additional courses selected would be considered electives.

During the Senior year, there is not a required Physical Education course. However, students may select one (or more) of the 12th grade elective courses listed above.

H7111 PHYSICAL EDUCATION (PERSONAL WELLNESS & FITNESS)

0.5 Credit

Grade 9

Required for all 9th grade students.

Students are required to pass 2 credits of Health & Physical Education during high school. In grade 9, physical education classes provide the student with a varied program of instruction and experiences designed to teach the basics of personal wellness and fitness. A variety of team and individual activities are used to help students evaluate their own fitness levels, assess their degree of wellness, and identify activities they may wish to explore for further fitness development. The use of heart rate monitors will be employed to help the student assess their level of exercise intensity as they work to achieve improved cardiovascular fitness. The “Five Components of Health Related Fitness” are taught and activities are planned to help students learn about these important areas, while also experiencing personal growth during the required semester-long course.

H7301 PERSONAL FITNESS DESIGN

0.5 Credit

Grade 11

The Personal Fitness Design course emphasizes that physical activity is an essential part of overall health throughout the lifespan. This course provides a solid foundation for learning the benefits of an active lifestyle. The students will learn concepts of cardiovascular fitness, resistance training, nutrition, and skill-related fitness. Each student will develop and implement an individual personal fitness program to improve their fitness, participate in ongoing assessments, and evaluate his/her progress.

H7331 FITNESS FOR LIFE

0.5 Credit

Grade 11

This course will involve instruction in a variety of individual and lifetime sports. This class enables students to identify activities that can be pursued later in life as a means of dealing with stress and maintaining physical fitness, and for recreation and socialization.

The course typically includes participation in disc golf, aerobics, jogging/walking, indoor and outdoor volleyball, racquet sports such as badminton and tennis, and activities such as archery, golf, and mountain biking.

H7341 CARDIO-CONDITIONING

0.5 Credit

Grade 11 or 12

This course is designed for students who wish to participate in additional aerobic activities that will increase their heart rate to the desired target range. Activities and exercises will include, circuit training, games of ultimate frisbee, campus course jogging, speed walking, rope jumping, Tae Bo, bike riding, elliptical machines, stationary bike riding, stepper activities, music video participation, team cardio games, and creative exercises. Students will earn “Target Zone” minutes through the use of Polar Technology. **This course is offered every-other year.**

(This course may also serve as a 12th grade PE elective.)

H7431 MILITARY FITNESS

0.5 Credit

Grade 11 or 12

This course is available to juniors or seniors who anticipate applying for one of the U.S. Military Academies, or becoming a recruit for a branch of the military after high school. Preparation for the various physical fitness assessments will be a significant portion of the course. Instruction and practice for these tests will be done in class and students will be assisted as they develop their own training program to prepare them for a future career in the military.

(This course could be used in place of the other required HPE options for juniors, or as an elective for seniors.)

H7601 HEALTH

0.5 Credit

Grade 10

Required for all 10th grade students

This course provides the student with an investigation of current health issues and attendant topics from the student's personal, school, home, and community perspective. The content is based upon the PA State Standards for Public School Health Education. The course provides students with learning experiences that enable them to effectively assimilate health information and make discriminating decisions concerning their health and behavior as individuals, future parents, and community members.

This graduation requirement is taken during the sophomore year in conjunction with Introduction to Strength Training and Conditioning.

H7621 SPORTS MEDICINE

0.5 Credit

Grades 11 and 12

Prerequisite: H7601 Health

Sports Medicine is an elective course which studies the prevention, diagnosis and treatment of athletic injuries sustained in sports or exercise-related activities. This course will enhance the learning through hands-on demonstrations of current prevention and treatment techniques for sport-related injuries. This course will benefit those students entering health related careers such as medicine, physical therapy, athletic training, nursing, exercise science, and physical education.

H7511 INTRODUCTION TO STRENGTH TRAINING AND CONDITIONING

0.5 Credit

Grade 10

Required for all 10th grade students.

This course consists of a systematic program of conditioning that includes: aerobics, running, strength training with free weights, and strength training machines. Students who engage fully in this course will experience a vigorous program leading to an improved level of physical fitness. Topics of instruction include

goal setting, weight management, cardiovascular training, flexibility, types of training programs, fitness assessment, and basic sports nutrition. (The focus in this required class is for students to develop proper technique and training habits, while experiencing a variety of strength training and conditioning methods).

H7531 NET SPORTS

0.5 Credit

Grade 12

This elective course provides an opportunity for senior students to build skill, an additional understanding of game strategies, and the rules of activities that involve the use of a net or goal. Instruction and practice will occur in units such as volleyball, badminton, ping pong, “pickle ball”, tennis, team handball, spike ball, tchouk ball, soccer, floor hockey, and other games involving the use of a net.

H7541 ADVANCED TEAM SPORTS

0.5 Credit

Grade 12

This elective course provides additional opportunities for senior students to build skills and understanding in the concepts and strategies of a variety of team sports. Units typically include activities such as “razzle dazzle football,” soccer, softball, ultimate frisbee, rugby, basketball, floor hockey, European team handball, tchouk ball, spike ball, and volleyball. Students will be given the opportunity to compete in class tournaments, and strive for sportsmanship, fitness, and skill development through team play.

H7701 MOVEMENT EXPLORATION AND DANCE

0.5 Credit

Grade 11

This course will provide students with an opportunity to exercise through movement exploration and dance. They will engage in learning experiences that will help them to understand the ways the body can be used as a tool for movement and expression; as they work to develop a sense of body awareness, core strength, flexibility, balance control, and coordination. Students will have the opportunity to work individually and as a

group. There will be a variety of teaching styles used and movement patterns explored in order to engage all learners in this exercise experience.

H7571 SPORTS PERFORMANCE I

H7581 SPORTS PERFORMANCE II

H7591 SPORTS PERFORMANCE III

0.5 Credit

Grade 11 or 12

This course sequence is great for athletes looking to improve their approach to sports performance training and learn how to properly train both during their competitive season(s) and in the off-season. These courses are an introduction to the principles and theories related to performance training for sport and must be taken sequentially. Students will examine a systematic approach to integrated performance training based on the functional training model. Students will learn about the different components of an integrated training program as it applies to sport such as: cardiorespiratory conditioning, core, balance, resistance, plyometric, and speed/agility/quickness training.

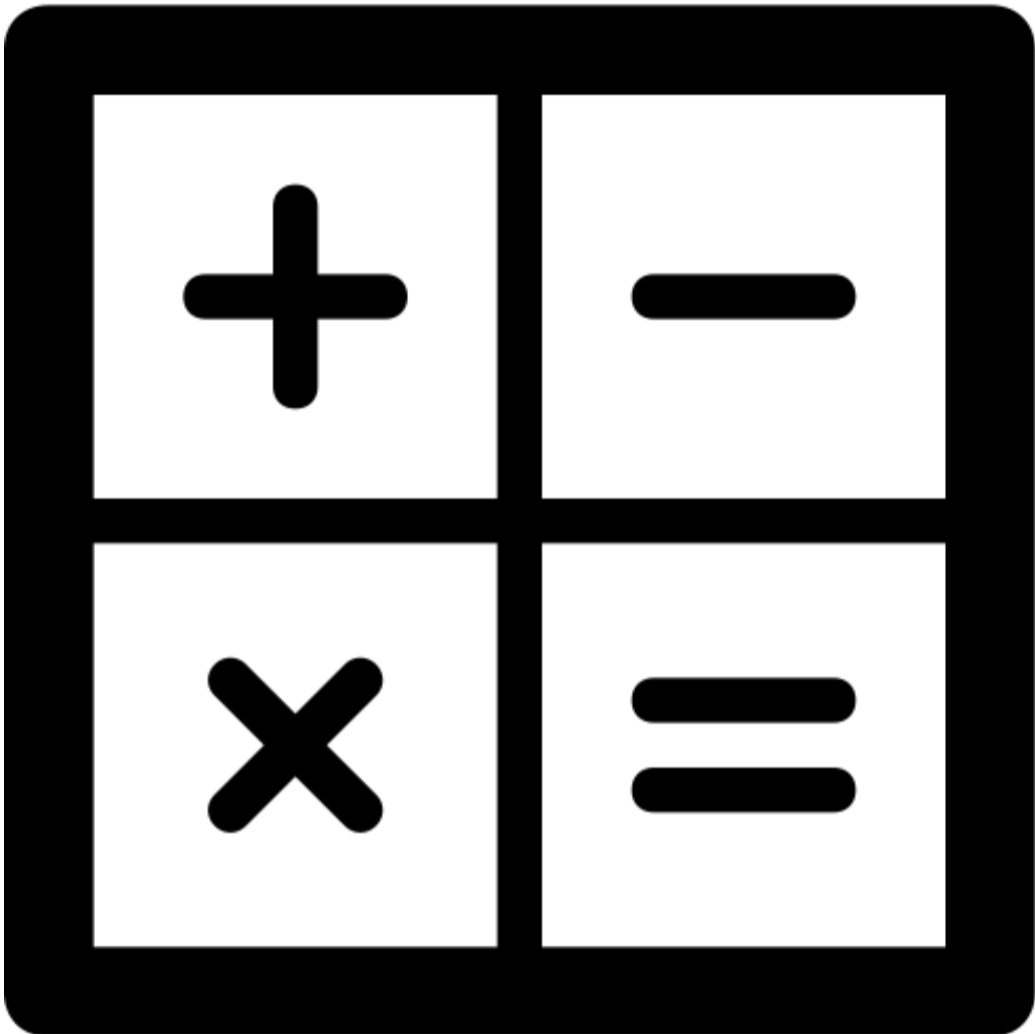
H7721 SPORT OFFICIATING

0.5 Credit

Grade 11-12

This comprehensive course is designed for high school students who aspire to become certified sports officials and actively contribute to the excitement and integrity of high school sports events. Through a combination of classroom instruction, practical training, and hands-on experience, participants will gain the knowledge and skills necessary to officiate a variety of sports. The course will teach about the pathways to become certified. This course will meet the grade 10 or 11 physical education requirement or could serve as an elective course option for Seniors.

Mathematics

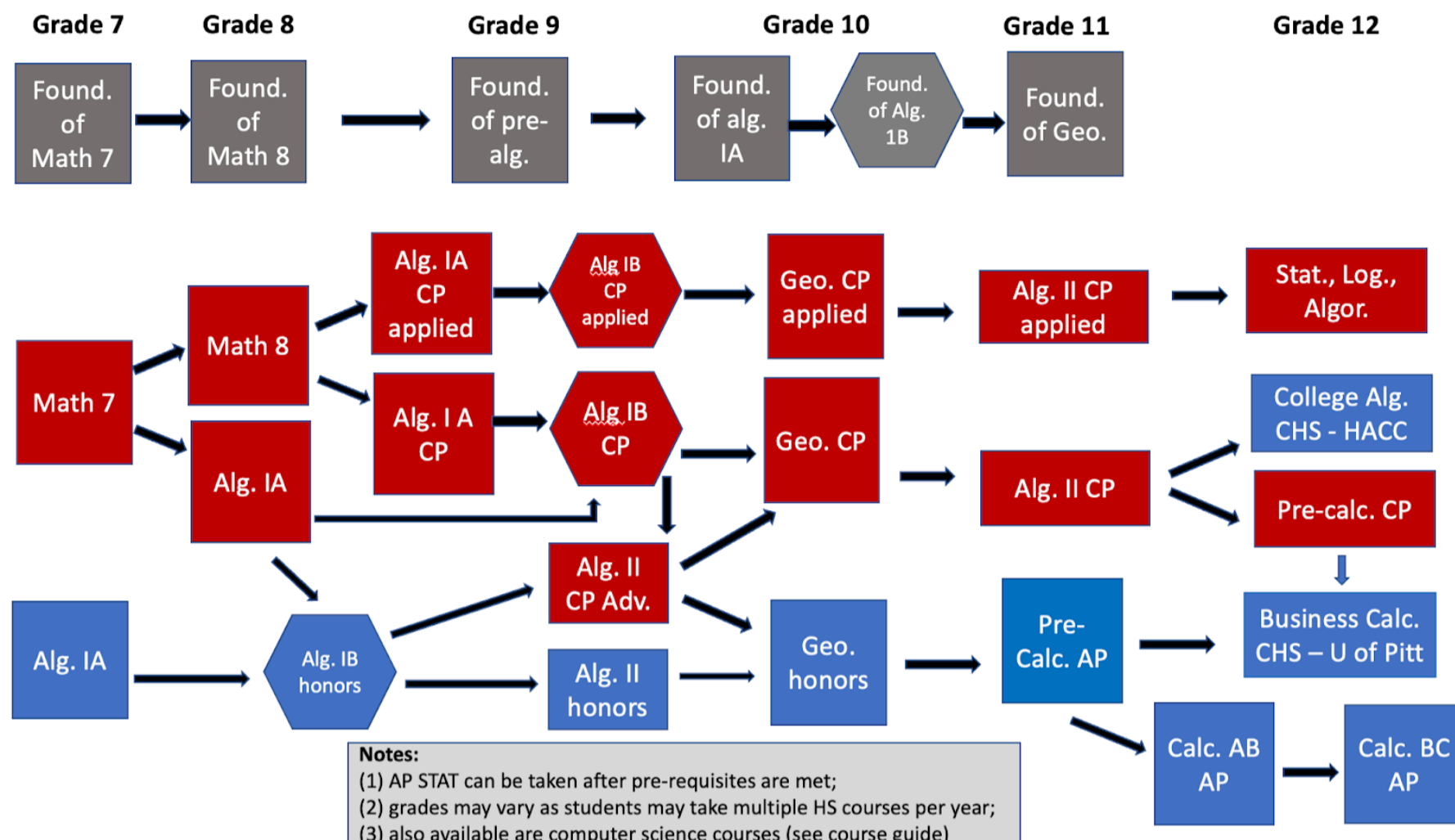


MATHEMATICS COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H3053	Foundations of Pre-Algebra	9	S	E	1		Value I
H3163A	Algebra 1A Applied CP	9	S	E	1		Value II
H3163B	Algebra 1B Applied CP	9	S	E	1		Value II
H3173A	Algebra 1A CP	9	S	E	1		Value II
H3173B	Algebra 1B CP	9	S	E	1		Value II
H3183	Algebra 1B Honors	9	S	E	1		Value III
H3263	Algebra 2 Applied CP	10	S	E	1		Value II
H3273	Algebra 2 CP	10	S	E	1		Value II
H3223	Algebra 2 Advanced CP	10	S	E	1		Value II
H3283	Algebra 2 Honors	9-10	S	E	1		Value III
H3363	Geometry Applied CP	11-12	S	E	1		Value II
H3373	Geometry CP	11	S	E	1		Value II
H3383	Geometry Honors	10-11	S	E	1		Value III
H3463	Stats, Logic and Algorithms	11-12	S	E	1		Value II
H3293	College Algebra CHS	12	S	E	1		Value IV
H3473	Pre-Calculus CP	12	S	E	1		Value II
H3493	Pre-Calculus AP	10-12	S	E	1		Value IV
H3193	Business Calculus CHS	12	S	E	1		Value IV
H3593A	Calculus AB AP	12	S	E	1		Value IV
H3593B	Calculus BC AP	12	S	E	1		Value IV
H3153A	Foundations of Algebra 1A	10	S	E	1		Value I
H3153B	Foundations of Algebra 1B	10	S	E	1		Value I
H3353	Foundations of Geometry	11	S	E	1		Value I
H3693	Statistics AP	11-12	S	E	1		Value IV
H3733	Introduction to Programming	9-12	S	E	1		Value I
H3893	Computer Science Principles AP	9-12	S	E	1		Value IV
H3793	Computer Science A AP	10-12	S	E	1		Value IV
H3623	Computer Science Independent Study	11-12	S	E	1		Value IV
H3943A	Fundamentals of Math A	9-12	S	E	1		Value I
H3943B	Fundamentals of Math B	9-12	S	E	1		Value I
H3943C	Fundamentals of Math C	10-12	S	E	1		Value I
H3943D	Fundamentals of Math D	10-12	S	E	1		Value I
H3043	Fundamentals of Pre-Algebra	9-12	S	E	1		Value I
H3143A	Fundamentals of Algebra 1A	9-12	S	E	1		Value I

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

SUGGESTED MATH SEQUENCES



Students enrolled in [Algebra 1A CP H3173A](#) or Algebra 1A Applied CP are recommended to enroll in [Algebra 1B CP H3173B](#) or Algebra 1B Applied CP respectively in the second semester of their freshman year.

Students take the Keystone Algebra exam after any level of Algebra IB. Students who do not demonstrate proficiency in their first attempt, must retake the exam. Students who do not score proficient or advanced on the Keystone exams must demonstrate proficiency using one of the other approved pathways to graduation provided by the Pennsylvania Department of Education.

CTC students, please visit the CTC section to view the Math requirements.

COLLEGE PREP MATH COURSE OPTIONS

H3163A ALGEBRA 1A APPLIED CP

1 Credit

Grade 9

Prerequisite: *Math 8 (any level)*

This course is part 1 of a 2-course sequence designed to give students a foundational understanding of Algebra 1 in preparation for career and/or postsecondary study in applied fields. The main goal of Algebra 1 is to help students use algebraic models to solve problems. Topic areas covered in this course include algebraic expressions, linear equations and inequalities, relations and functions, exponents, and data organization.

Students enrolled in this course will also be enrolled in Algebra 1B Applied CP in the second semester of their freshman year in order to prepare for success on the Keystone Algebra Exam.

H3163B ALGEBRA 1B APPLIED CP

1 Credit

Grade 9

Prerequisite: Algebra 1A CP H3163A

This course is part 2 of a 2-course sequence designed to give students a foundational understanding of Algebra 1 in preparation for career and/or postsecondary study in applied fields. The main goal of Algebra 1 is to help students use algebraic models to solve problems. Topic areas covered in this course include systems of linear equations and inequalities, polynomial expressions, quadratic expressions, data analysis and probability.

Students will take the Keystone Algebra Exam at the end of this course.

H3173A ALGEBRA 1A CP

1 Credit

Grade 9

Prerequisite: *Math 8*

This course is part 1 of a 2-course sequence designed to give students a conceptual understanding of Algebra

1 in preparation for postsecondary college or university study. The main goal of Algebra 1 is to help students create and use algebraic models to solve problems. Topic areas covered in this course include multiple representations of algebraic concepts, algebraic and graphical approaches to equations, inequalities, functions and relations, linear functions, exponents.

Students enrolled in this course are encouraged to also enroll in Algebra 1B CP in the second semester of their freshman year in order to prepare for success on the Keystone Algebra Exam.

H3173B ALGEBRA 1B CP

1 Credit

Grade 9

Prerequisite: Algebra 1A CP H3173A

This course is part 2 of a 2-course sequence designed to give students a conceptual understanding of Algebra 1 in preparation for postsecondary college or university study. The main goal of Algebra 1 is to help students create and use algebraic models to solve problems. Topic areas covered in this course include multiple representations of algebraic concepts, as well as algebraic and graphical approaches to systems of equations and inequalities, polynomial functions, quadratic functions, radical expressions and functions, data and probability, and rational expressions and functions.

Students enrolled in this course will take the Keystone Algebra Exam at the end of the course.

H3263 ALGEBRA 2 Applied CP

1 Credit

Grades 10

Prerequisite: 3163B Algebra 1B CP

Students enrolled in 3263 Algebra 2 will study the following topics with emphasis on practice and review:

- Families of functions
- Applications of functions
- Systems of equations and inequalities

- Polynomials
- Advanced Functions

H3273 ALGEBRA 2 CP

1 Credit Grades 10

Prerequisite: H3173B Algebra 1B CP

Students enrolled in Algebra 2 will study the following topics:

- Advanced linear and nonlinear functions
- Quadratic functions and applications
- Analysis of functions
- Advanced systems of equations and inequalities
- Applications of matrices
- Polynomials and polynomial functions
- Rational expressions and functions
- Complex number system

H3363 GEOMETRY APPLIED CP

1 Credit Grade 11

Prerequisite: H3263 Algebra 2 CP

Students enrolled in Geometry will study the following topics with an emphasis on practice, review and application:

- Lines in the plane
- Angles and triangles
- Congruence
- Parallel and perpendicular lines
- Polygons
- Similarity
- Plane and coordinate geometry
- Circles and sectors
- Pythagorean theorem
- Area and Volume applications

H3463 STATISTICS, LOGIC AND ALGORITHMS

1.0 Credit Grades 11-12

Prerequisite: H3263 Algebra 2

This course will introduce and develop fundamental statistical concepts, principles, and techniques and basic concepts of program design, problem-solving and coding.

H3373 GEOMETRY CP

1 Credit Grade 10 or 11

Prerequisite: H3273 Algebra 2 CP

Students enrolled in Geometry will study the following topics:

- Reasoning and proof
- Lines in the plane
- Angles and triangles
- Congruence
- Parallel and perpendicular lines
- Polygons
- Similarity
- Plane and coordinate geometry
- Circles and sectors
- Pythagorean theorem
- Geometric solids

H3473 PRE-CALCULUS CP

1 Credit Grades 11-12

Prerequisites: H3373 Geometry CP and >85% in H3273 Algebra 2, or H3473A Algebra 3/Trig CP

Students enrolled in Pre-calculus will study the following topics:

- Analysis of functions
- Polynomial and rational functions
- Exponential and logarithmic functions

- Circular and trigonometric functions
- Complex number system
- Plane analytic geometry
- Trigonometric identities and equations

ADVANCED & HONORS COURSE OPTIONS

H3123B ALGEBRA 1B HONORS

1 Credit

Grade 9

Prerequisite: *Algebra 1A (in 8th Grade)*

Students enrolled in Algebra 1B Honors will study the following topics with an emphasis on abstract reasoning and application of concepts in novel situations:

- Properties of real numbers
- Algebraic expressions, equations, and inequalities
- Linear and absolute value forms, functions, & graphs
- Systems of linear equations
- Polynomials and factoring
- Radical expressions and equations
- Data analysis and probability
- Rational expressions and functions
- Quadratic equations and functions

Students enrolled in this course will take the Keystone Algebra Exam at the end of the course.

H3283 ALGEBRA 2 HONORS

1 Credit

Grades 9-10

Prerequisite: *H3123B Algebra 1B Advanced CP or H3183B Algebra 1B Honors*

Students enrolled in Algebra 2 Honors will study the following topics with an emphasis on abstract reasoning and application of concepts in novel situations:

- Quadratic functions
- Polynomial functions

- Exponents and radicals
- Rational expressions and functions
- Special functions
- Exponential and logarithmic functions
- Non-linear systems and relations

H3223 ALGEBRA 2 ADVANCED CP

1 Credit

Grades 9-10

Prerequisite: *H3123B Algebra 1B Advanced CP*

Students enrolled in Advanced Algebra 2 will study the following topics with an emphasis on practice and basic application of concepts:

- Quadratic functions
- Systems of equations and inequalities
- Polynomial functions
- Exponents and radicals
- Rational expressions and functions
- Special functions
- Exponential and logarithmic functions
- Non-linear systems and relations

H3383 GEOMETRY HONORS

1 Credit

Grades 10

Prerequisite: *H3283 Algebra 2 Honors*

Students enrolled in Geometry Honors will study the following topics with an emphasis on proof, abstract reasoning and application of concepts in novel situations:

- Exact reasoning
- Lines in the plane
- Angles and triangles
- Congruence
- Proof
- Parallel and perpendicular lines
- Polygons
- Similarity

- Plane and coordinate geometry
- Circles and sectors
- Pythagorean theorem
- Geometric solids

H3293 COLLEGE ALGEBRA

1 Credit Grades 11-12

Prerequisite: Algebra 2 CP (3273) or higher and Geometry CP (3373) or higher

This course covers the fundamental algebraic operations, exponents and radicals, systems of equations, higher degree equations, logarithms, and inequalities. Students will have the potential to earn credit for the Harrisburg Area Community College's MATH 103 (College Algebra). This course is not intended for students wishing to pursue math intensive programs and STEM-related majors in college. (Students who already completed Algebra III / Trig cannot register for this new course.)

H3493 PRECALCULUS AP

1 Credit Grades 10-12

Prerequisite: H3383 Geometry Honors

In AP Precalculus, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems—an important practice for thriving in an ever-changing world.

AP Precalculus prepares students for other college-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students will study the following topics:

- Polynomial and rational functions
- Exponential and logarithmic functions
- Trigonometric and polar functions
- Functions involving parameters, vectors, and matrices

H3193 BUSINESS CALCULUS (CHS OPTION)

1 Credit Grades 11-12

Prerequisite: Precalculus CP (3473) or higher

This course provides an introduction to calculus for students interested in managerial or social science. Topics include functions, limits and continuity, differentiation, applications of differentiation, integration, exponential and logarithmic functions, and an introduction to multivariable calculus. Students will have the potential to earn credit for the University of Pittsburgh's MATH 0120 (Business Calculus) through College in the High School. In order to enroll in the University of Pittsburgh course for college credit, students must have a score of 61 or higher on the ALEKS placement examination. This course does not have the potential to earn college credit for an engineering calculus course. (Students who already completed CP Calculus cannot register for this new course.)

H3593A CALCULUS AB AP

1 Credit Grades 12

Prerequisite: H3483 Math Analysis

Calculus AB AP is equivalent to a freshmen college Calculus I course. Upon successful completion of the course, the student will be prepared for the AB level Advanced Placement Exam. It is recommended that students who enroll in AP Calculus have demonstrated a mastery of algebra, geometry, analytic geometry, and trigonometry. Students enrolled in this course will study the following topics:

- Limits and their application to derivatives

- Methods of differentiation and their applications
- Definite and indefinite integration
- Methods of integration and their application

H3593B CALCULUS BC AP

1 Credit Grades 12

Prerequisite: H3593A Calculus AB AP

Upon completion of this course, the student will be prepared for the BC level Advance Placement Calculus Exam. Students will be expected to have a mastery of limits, derivatives and their applications, integral calculus, and differentiable equations. Students enrolled in the course will study the following topics:

- The Logistic Equation
- Calculus with Parametric Equations
- Areas and Lengths in Polar Coordinates
- Techniques of Integration
- Improper Integrals
- Infinite Sequences and Series
- Maclaurin and Taylor Polynomials

FOUNDATIONS OF MATH COURSE OPTIONS

H3053 FOUNDATIONS OF PRE-ALGEBRA

1 Credit Grade 9

Students enrolled in Foundations of Pre-Algebra will study the following topics:

- Variable expressions
- Integers
- Rational numbers
- Solving equations and inequalities
- Factors
- Exponents
- Ratios and proportions

- Probability
- Percents
- Graphing linear functions

H3153A FOUNDATIONS OF ALGEBRA 1A

1 Credit Grade 10

Prerequisite: H3053 Fundamentals of Pre-Algebra

Students enrolled in Foundations of Algebra 1A will study the following topics:

- Operations with real numbers
- Writing and solving linear equations
- Graphing linear equations
- Solving equations and inequalities
- Functions

H3153B FOUNDATIONS OF ALGEBRA 1B

1 Credit Grade 10

Prerequisite: H3153A Foundations of Algebra 1A

Students enrolled in Foundations of Algebra 1B will study the following topics:

- Linear functions
- Systems of linear equations and inequalities
- Scatter plots
- Factoring polynomials
- Simplifying rational expressions
- Data analysis and probability

Students will take the Keystone Algebra Exam at the end of this course.

H3353 FOUNDATIONS OF GEOMETRY

1 Credit Grade 11

Prerequisite: H3153B Foundations of Algebra 1B

Students enrolled in Foundations of Geometry will study the following topics:

- Patterns
- Segments
- Angles and triangles
- Parallel and perpendicular lines
- Circles

FUNDAMENTALS MATH COURSES

H3943A FUNDAMENTALS OF MATH A

1 Credit Grades 9-12

Requires: *Recommendation of the Secondary Special Education Supervisor and/or secondary Math Department Coordinator.*

Students enrolled in Fundamentals of Math A will study the following topics:

- Area and perimeter of rectangles and triangles
- Equivalent fractions
- Beginning Algebra with 1 variable in equation
- 2 step equations
- Percents
- Learning how to solve word problems

H3943B FUNDAMENTALS OF MATH B

1 Credit Grades 9-12

Prerequisite: H3943A Fundamentals of Math A

Requires: *Recommendation of the Secondary Special Education Supervisor and/or secondary Math Department Coordinator.*

Students enrolled in Fundamentals of Math B will study the following topics:

- Basic functions
- Coordinate plane
- Geometry: Circle (radius, diameter, and area), triangles
- Exponents: negative, adding, multiplying, dividing
- Word problems

H3943C FUNDAMENTALS OF MATH C

1 Credit Grades 10-12

Prerequisite: H3943B Fundamentals of Math B

Requires: *Recommendation of the Secondary Special Education Supervisor and/or secondary Math Department Coordinator.*

Students enrolled in Fundamentals of Math C will study the following topics:

- Slope (positive and negative)
- Functions
- Square roots
- Simultaneous equations
- Pythagoras Theory
- Problem solving

H3943D FUNDAMENTALS OF MATH D

1 Credit Grades 10-12

Prerequisite: H3943C Fundamentals of Math C

Requires: *Recommendation of the Secondary Special Education Supervisor and/or secondary Math Department Coordinator.*

Students enrolled in Fundamentals of Math D will study the following topics:

- Proportion of similar figures
- Graphing: rate, equations
- Percent increase or decrease
- Scientific Notation: ranking order, multiplying
- Geometry: surface area

- Problem solving

H3043 FUNDAMENTALS OF PRE-ALGEBRA

1 Credit

Grades 9-12

Required: *Recommendation of the Secondary Special Education Supervisor and/or Mathematics Department Coordinator.*

Students enrolled in Fundamentals of Pre-Algebra will study the following topics:

- Variable expressions
- Integers
- Rational numbers
- Solving equations and inequalities
- Factors
- Exponents
- Ratios and proportions
- Probability
- Percents
- Graphing linear functions

H3143A FUNDAMENTALS OF ALGEBRA 1A

1 Credit

Grades 9-12

Prerequisite: H3043 Fundamentals of Pre-Algebra

Required: *Recommendation of the Secondary Special Education Supervisor and/or Mathematics Department Coordinator.*

Students enrolled in Fundamentals of Algebra 1A will study the following topics:

- Properties of real numbers
- Writing and solving linear equations
- Graphing linear equations
- Solving equations and inequalities
- Functions

ELECTIVE MATH COURSE OPTIONS

H3693 STATISTICS AP

1 Credit

Grades 10-12

Prerequisite: H3283 Algebra 2 Honors or a grade of 80% or higher in H3473 Pre-calculus CP, or a grade of 80% or higher in H3223 Algebra 2 Advanced CP or *teacher recommendation.*

Statistics AP is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Upon successful completion of the course, the student will be prepared for the Advanced Placement Statistics Exam. Students taking this course are encouraged to take the AP exam, but it is not required. The purpose of the course is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students enrolled in this course will be exposed to four broad conceptual themes:

- Exploring Data
- Planning a Study
- Producing Models Using Probability and Simulation
- Statistical Inference

H3733 INTRODUCTION TO PROGRAMMING

1 Credit

Grades 9-12

Prerequisite: Algebra 1B

This course does not fulfill a Mathematics credit for graduation requirements.

Introduction to Programming is a fundamental course designed to provide students with an entry-level understanding of computer programming and software development. Students will learn the core concepts, problem-solving techniques, and programming languages essential for writing code, solving problems, and creating simple applications.

H3893 COMPUTER SCIENCE PRINCIPLES AP

1 Credit

Grades 9-12

Prerequisite: Algebra 1B Advanced CP or Algebra 1B Honors or H3733 Introduction to Programming

This course can count as a credit toward graduation for either Mathematics or Science.

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

H3793 COMPUTER SCIENCE A AP

1 Credit

Grades 10-12

Prerequisite: H3893 Computer Science Principles AP or **Recommendation of the Mathematics Department Coordinator.**

AP Computer Science A is an advanced course that introduces students to computer science concepts and object oriented programming using the Java language. Students will delve into problem-solving, algorithm design, and object-oriented programming, all while gaining a deep understanding of data structures, recursion, inheritance, and other key programming concepts.

Chapter 3 | Section 8

Music



MUSIC COURSE OFFERINGS - ELECTIVES

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H0571	Music Production	9-12	S	A	0.5		
H0641	Beginning Piano	9-12	S	A	0.5		
H0651	Beginning Guitar	9-12	S	A	0.5		
H0661	Intermediate Piano	9-12	S	A	0.5		
H0671	Intermediate Guitar	9-12	S	A	0.5		
H0551	Introduction to Music Theory	10-12	S	A	0.5		
H0561	Advanced Music Theory - AP	10-12	S	E	1		Value IV

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course if offered annually.

MUSIC COURSE OFFERINGS - PERFORMANCE ENSEMBLES

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H0703	Concert Choir	9	Y	A	1		
H0763	Hempfield Singers	10-12	Y	A	1		
H0823	Concert Band	9	Y	A	1		
H0833	Symphonic Band	10-12	Y	A	1		
H0923	Concert Strings	9	Y	A	1		
H0933	Symphony Strings	10-12	Y	A	1		

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

- Students who elect to participate in all performance ensembles (bands, orchestras, and choirs) must either be recommended by their middle school director(s) or successfully perform a pre-assessment with the appropriate high school director(s).
- Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneously enrollment in both vocal and instrumental ensembles.

H0571 MUSIC PRODUCTION

0.5 Credit

Grades 9-12

Prerequisite: Students should have a basic working knowledge of musical timbres, music notation, and basic computer and piano keyboard skills. The class is appropriate for both students with and without backgrounds in music performance.

The purpose of this course is to foster students' knowledge of the elements and processes of a Digital Audio Workstation and to develop a fundamental understanding of how those elements and processes function within the context of music production. Content surveyed in this course includes audio recording, audio editing, MIDI sequencing, orchestra/arranging, film scoring, and the basics of sound reinforcement.

H0641 BEGINNING PIANO

0.5 Credit

Grades 9-12

This class provides students with the opportunity to learn musical skills and repertoire through piano performance. The course is offered in a group setting and students are encouraged to advance at an individualized pace. Students are expected to learn to read and perform music at a reasonable, developmentally appropriate rate. Students are expected to practice outside of class.

H0661 INTERMEDIATE PIANO

0.5 Credit

Grades 9-12

Prerequisite: Students must satisfactorily complete H0641 Beginning Piano or receive a recommendation from a music department coordinator based on significant expertise from private study and/or an audition.

This class provides students with the opportunity to continue and expand their musical skill development and repertoire learned in Beginning Piano. The course is offered in a group setting and students are encouraged to advance at an individualized pace. Students are

expected to learn to read and perform music at a more advanced rate. Students are expected to practice outside of class.

H0651 BEGINNING GUITAR

0.5 Credit

Grades 9-12

This class provides students with the opportunity to learn musical skills and repertoire through guitar performance. Techniques in classical and fingerstyle playing will be introduced as well as how to play chords and rhythm guitar riffs. Students will learn to read chord charts, standard musical notation, tab, and "translating" between standard notation and tab. Each student will learn music to play in a three-part guitar ensemble culminating in a recital for a small audience at the end of each quarter. At the end of the semester, students will apply techniques and skills learned throughout the course by performing a classical guitar solo piece or a popular music selection from any genre (e.g. classic rock, pop, country, etc.) for their final project. Students will have the option of submitting a video recording of their performance or performing their selection live during class at the end of the semester. *Classical guitars with nylon strings **are** provided for use in the classroom.* Students are encouraged but not required to buy a classical guitar for home practice (see teacher for recommended models).

H0671 INTERMEDIATE GUITAR

0.5 Credit

Grades 9-12

Prerequisite: Students must satisfactorily complete H0651 Beginning Guitar or receive a recommendation from a music department coordinator based on significant expertise from private study and/or an audition.

This class provides students with the opportunity to continue and expand their musical skill development and repertoire learned in Beginning Guitar. Advanced techniques in classical and fingerstyle playing will be explored as well more complicated chords, progressions, and rhythm guitar riffs. Students are

expected to learn to read and perform music at a more advanced rate. At the end of the semester, students will apply techniques and skills learned throughout the course by performing a classical guitar solo piece or a popular music selection from any genre (e.g. classic rock, pop, country, etc.) for their final project. Students will have the option of submitting a video recording of their performance or performing their selection live during class at the end of the semester. *Classical guitars with nylon strings are provided for use in the classroom.* Students are encouraged but not required to buy a classical guitar for home practice (see teacher for recommended models).

H0551 INTRODUCTION TO MUSIC THEORY

0.5 Credit

Grades 10-12

Prerequisite: This class is designed for all students currently enrolled in Music Department performing ensembles, students who study music through private lessons, and/or students who want to learn more about the structure of music. Students without significant music backgrounds are encouraged to enroll, but should be aware that they will be required to read, sing, chant, and notate musical examples.

This class is a basic, introductory study of the structural elements of music. Topics include: the history and development of musical symbols; **Acoustics** – the science of sound production, tuning, and perception; **Audiation** – aural recognition and classification of tonal and rhythm patterns; Solfeggio, sight-singing, and music dictation; **Music Notation** – staves, clefs, meters, keys, scales, intervals, chords; **Music Composition** – patterns used to create examples of Western Music; Computer Applications of music notation and sequencing; and **Form and Analysis** – the study of existing compositions to recognize tendencies and artistic elements of composition.

H0561 ADVANCED MUSIC THEORY - AP

1.0 Credit

Grades 10-12

Prerequisite: Successful completion of H0551 Introduction to Music Theory and/or

Recommendation by Music Department Coordinator

This AP-level class is designed as an accelerated approach toward content and skills presented in Introduction to Music Theory, plus course content for the advanced study of the structural elements and compositional procedures in music. Students who successfully complete this course will be prepared to take the annual Advanced Placement Music Theory Exam. Topics include: Advanced Musical Composition and Analysis using Counterpoint, Diatonic and Chromatic Harmony, Transposition, Modulation, periodic phrase structure, Augmented and Neapolitan chords, simple binary and ternary forms, imitative polyphony, and rudimentary orchestration techniques.

H0703 CONCERT CHOIR

1 Credit (Full Year)

Grade 9 (Alternative

scheduling option for Grades 10-12)

Prerequisite: Although no formal audition is required for enrollment in Concert Choir, students must either be recommended by their middle school director or demonstrate the ability to sing in tune and in tempo through an informal vocal pre-assessment for the director.

This choral ensemble, primarily for students new to HHS choir (typically 9th grade) and less experienced students with mixed voices, rehearses and performs appropriate music for several concerts. Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. The director encourages select members of the choir to audition for County and District Chorus Festivals. Topics include: (a) basic to intermediate vocal technique, including range extension, resonance, diction, and breathing support; (b) various styles of multi-cultural repertoire from all eras of music history; (c)

basic to intermediate sight-singing skills using solfeggio; and (d) basic to intermediate levels of musicianship and emotional expression.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneous enrollment in both vocal and instrumental ensembles.*

H0763 HEMPFIELD SINGERS

1 Credit (Full Year) Grades 10-12

Prerequisite: Students should have previous choral experience and must perform a successful audition for the director.

This select choral ensemble for students with mixed voices rehearses and performs a variety of challenging music for several concerts. This choir also regularly performs concerts in local venues and for civic and social organizations. Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. The director encourages select members of the choir to audition for County and District Chorus Festivals. Topics include: (a) advanced vocal technique, including range extension, resonance, diction, style distinction, linguistics, and breath support; (b) various styles of multi-cultural repertoire from all eras of music history; (c) advanced sight-singing skills using solfeggio; and (d) advanced levels of musicianship.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneous enrollment in both vocal and instrumental ensembles.*

H0823 CONCERT BAND

1 Credit (Full Year) Grade 9 (Alternative scheduling option for Grades 10-12)

Prerequisite: Students must have previous band experience and must either be recommended by their middle school director or complete a successful pre-assessment for the director.

This ensemble, primarily for instrumentalists new to HHS (typically 9th grade) and intermediate-level students who play band instruments, rehearses and performs separately from and together with the Symphonic Band at several concerts. Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. Topics include: intermediate instrumental techniques, concentrating on repertoire, tone quality, tuning, blend, balance, rhythmic precision, articulation, emotional expression, interpretation, and musicality. In order to further develop these skills on an individual basis, students are strongly encouraged to study with a private teacher outside of the school day. The director encourages select members of the band to audition for County and District Band Festivals.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneous enrollment in both vocal and instrumental ensembles.*

H0833 SYMPHONIC BAND

1 Credit (Full Year) Grades 10-12

Prerequisite: Students must have previous band experience and must perform a successful audition for the director.

This ensemble for students who play woodwind, brass, and percussion instruments. Symphonic Band rehearses and performs for several concerts. Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. Topics include: intermediate to advanced instrumental techniques, concentrating on repertoire, qualities of tone, tuning, blend, balance, rhythmic precision, articulation, emotional expression, interpretation, and musicality. In order to further develop these skills on an individual basis, students are strongly encouraged to study with a private teacher outside of the school day. The director encourages select members of the band to audition for the District Band Festival and to be placed in County Band Festival. Selected members of the band perform with the

Symphony Strings in the annual Holiday Concert, in the pit orchestra for the Spring Musical and in the Spring Orchestra Concert.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneously enrollment in both vocal and instrumental ensembles.*

H0923 CONCERT STRINGS

1 Credit (Full Year) Grade 9 (Alternative scheduling option for Grades 10-12)

Prerequisite: Students must have previous string experience and must either be recommended by their middle school director or complete a successful pre-assessment for the director.

This ensemble is primarily for instrumentalists new to HHS (typically 9th grade) and intermediate-level students who play bowed string instruments. The ensemble rehearses every other day and performs at several concerts. Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. During rehearsal the emphasis is on ensemble skills, including tone quality, intonation, balance, rhythmic precision, articulation, emotional expression, and musical interpretation. In order to further develop these skills on an individual basis, students are strongly encouraged to study with a private teacher outside of the school day. Selected members of Concerts Strings have the opportunity to audition for County and District Orchestra Festivals.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneously enrollment in both vocal and instrumental ensembles.*

H0933 SYMPHONY STRINGS

1 Credit (Full Year) Grades 10-12

Prerequisite: Students must have previous string experience and must complete a successful audition for the director.

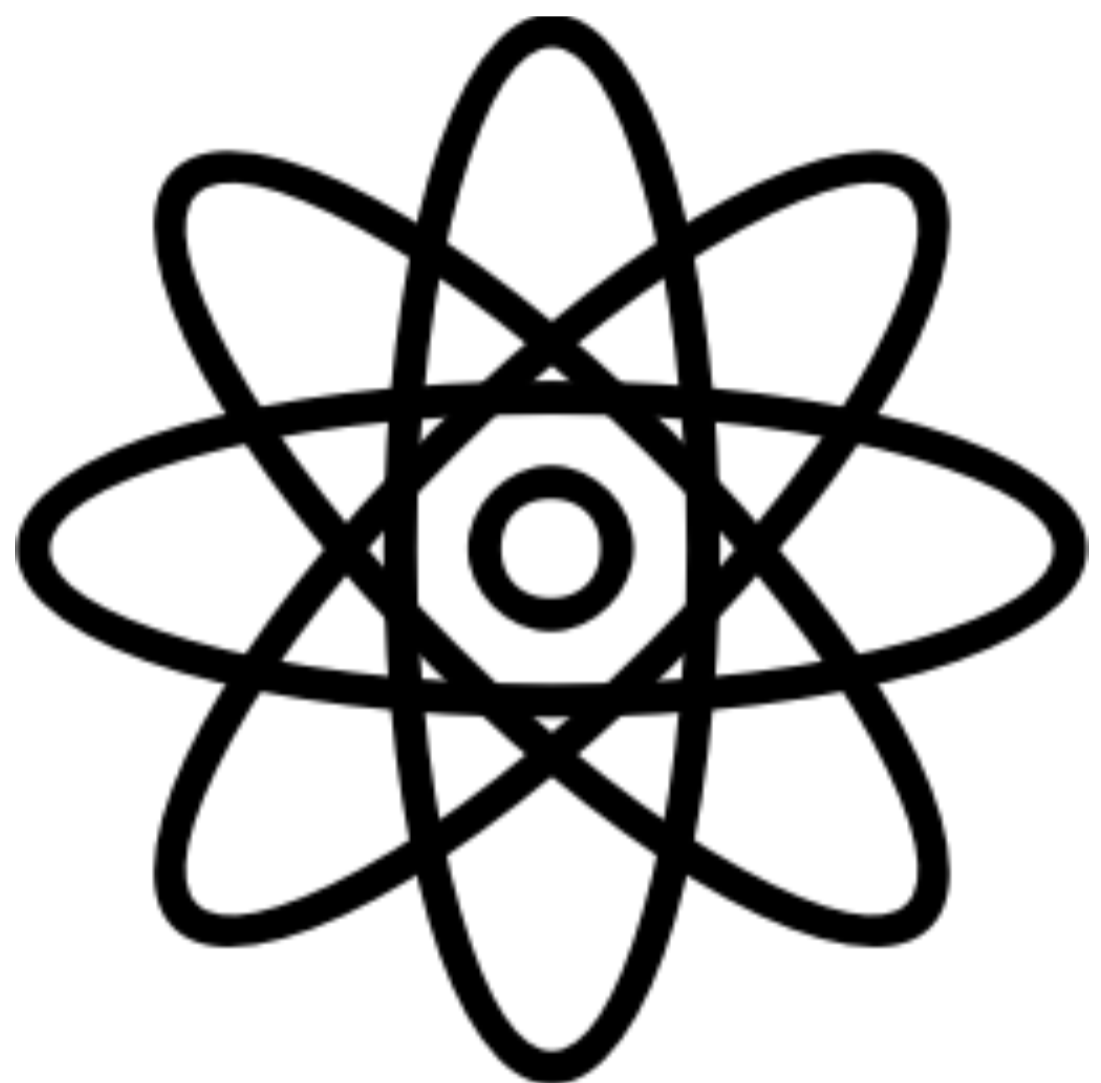
This ensemble is for students in grades 10-12 who play bowed string instruments. Symphony Strings rehearses every other day and performs in several concerts and other performances as announced.

Students are required to perform in all concerts, which provide the basis for summative assessments during each grading period. During rehearsals, the emphasis is on ensemble skills, including tone quality, intonation, balance, rhythmic precision, articulation, emotional expression, and musical interpretation. In order to further develop these skills on an individual basis, students are strongly encouraged to study with a private teacher outside of the school day. Select members of Symphony Strings have the opportunity to audition for County and District Orchestra Festivals.

**Participation in both vocal and instrumental ensembles is encouraged. Courses are scheduled to usually allow for simultaneously enrollment in both vocal and instrumental ensembles.*

Students who have scheduling concerns due to membership in multiple performing ensembles should consult with the Music Department Coordinator.

Science



SCIENCE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H4153	General Science – Foundations	9	S	E	1		Value I
H4173	General Science CP	9	S	E	1		Value II
H4253	Foundations of Biology	10	S	E	1		Value I
H4273	Biology CP	10	S	E	1		Value II
H4283	Biology Honors	9-10	S	E	1		Value III
H4293	Biology I AP (fall)	11-12	S	E	1		Value IV
H4203	Biology II AP (spring)	11-12	S	E	1		Value IV
H4353	Current Topics in Science	11-12	S	E	1		Value I
H4363	Chemistry	10-12	S	E	1		Value IA
H4373	Chemistry CP	10-12	S	E	1		Value II
H4383	Chemistry Honors	10-12	S	E	1		Value III
H4393	Chemistry I AP (fall)	11-12	S	E	1		Value IV
H4303	Chemistry II AP (spring)	11-12	S	E	1		Value IV
H4463	Principles of Science & Technology	11-12	S	E	1		Value IA
H4473	Physics CP	11-12	S	E	1		Value II
H4483	Physics Honors	11-12	S	E	1		Value III
H4493	Physics AP (fall) Mechanics	11-12	S	E	1		Value IV
H4413	Physics AP (spring) Electricity and Magnetism	11-12	S	E	1		Value IV
H4593	Environmental Science AP	11-12	S	E	1		Value IV
H4803	Anatomy & Physiology Honors	10-12	S	E	1		Value III
H4813	Introduction to Human Biology and the Allied Health Sciences CP	11-12	S	E	1		Value II

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

Students are required to have 3.0 units of science to graduate. Students must take General Science in ninth grade unless they have been recommended to move directly to Honors Biology. All students must complete a biology course with the related Keystone exam before moving on to additional science courses to fulfill the remaining required credits. Students not demonstrating proficiency in any of the above tested areas must participate in the state’s Keystone re-test. Prior to the re-test, remediation and tutoring programs will be offered to students in their deficient area(s). Students who do not score proficient or advanced on the Keystone exams must demonstrate proficiency using one of the other approved [pathways to graduation](#) provided by the Pennsylvania Department of Education.

Students who successfully complete [General Science H4173](#) first semester of ninth grade, may move onto Biology during the second semester of ninth grade. Although graduation requirements only demand three years of science, students considering four-year college experience should consult with the institutions in which they are interested in attending regarding science requirements for admission.

[Introduction to Programming H3733](#) does not satisfy graduation requirements in Mathematics or Science. [Computer Science Principles AP H3893](#) can count as one credit for either Mathematics or Science.

SCIENCE COURSE WEIGHTING

Students are required to have three core science credits but may take more. Students typically follow a progression within the same course weight value. However, with teacher recommendation, students may move into other levels.

Course Weight	Value I	Value II	Value III	Value IV
Course 1 (grade 9)	General Science Foundations	General Science CP	Honors Biology	
Course 2 (grade 10)	Foundations of Biology	Biology CP	Honors Chemistry	
Course 3 (grade 10-12) Choose at least one course from these selections. See course descriptions for pre-requisites.	Current Topics in Science	Chemistry CP		Chem I AP Chem II AP
	Chemistry (value 1A)	Intro to Human Biology and the Allied Health Sciences CP	Anatomy and Physiology	Environmental Science AP
	Principles of Science and Technology (value 1A)	Physics CP	Physics Honors	Mechanics AP Electricity and Magnetism AP
				Biology I AP Biology II AP

H4153 GENERAL SCIENCE - FOUNDATIONS

1 Credit

Grade 9

Students will be introduced to basic chemistry and biology by participating in class discussions, completing writing assignments, and conducting laboratory exercises. Major topics of investigation will include properties, classification and changes of matter, and biomolecules.

H4173 GENERAL SCIENCE CP

1 Credit

Grade 9

General Science is an introduction to the principles of chemistry and biology. Major topics of investigation will include science skills including the use of basic measurement, mathematics and dimensional analysis, properties, classification and change of matter, atomic theory, the periodic table, bonding and properties of matter, chemical reactions, biomolecules; enzymes and homeostasis and transport. Students will have the opportunity to learn the use of laboratory equipment and conduct a variety of experiments. Students will be required to complete reading and writing assignments, as well as, demonstrations and laboratory investigations.

H4253 FOUNDATIONS OF BIOLOGY

1 Credit

Grade 10

Prerequisite: H4173 General Science

This course is a survey of the most important concepts in biology. Topics will include evolution, review of cell structure and function, cell division, inheritance, and ecology. Students will have the opportunity to participate in demonstrations, activities and laboratory exercises and will have related reading and writing assignments.

H4273 BIOLOGY CP

1 Credit

Grades 9-10

Prerequisite: H4173 General Science or H4153 General Science - Foundations

Biology is designed to have students master key concepts and content in evolution, review of cell structure and function, cellular energetics, cell division, inheritance and ecology. Emphasis will be placed on science as a process and the application of scientific concepts to everyday life. Students will have an opportunity to work in laboratory situations and do research projects.

H4283 BIOLOGY HONORS

1 Credit

Grades 9-10

Prerequisite: *A or B+ in 8th grade advanced earth science and teacher recommendation or A or B in H4173 General Science*

This course is designed for students who excel in science, possess sound critical thinking and organization skills, and can grasp and expand on new concepts quickly. Biology Honors utilizes an evolutionary/ecological approach to teaching essential areas such as molecular and cellular biology, organismal biology, and population and community biology. The curriculum includes topics selected for their relevance to modern biology and their appeal to students. Students will have an opportunity to gain valuable hands-on experience by engaging in laboratory situations. It is important to note that this course requires daily homework and study sessions.

H4293 BIOLOGY I AP

1 Credit (First Semester)

Grades 11-12

Prerequisites: *Completion of Biology H4283 or H4273, Chemistry H4383 or H4373 Chemistry CP, and Algebra 2; and teacher recommendation. **Concurrent scheduling or prior completion of a Physics course is recommended.***

The Biology I AP course is an advanced laboratory biology course designed for students interested in post-secondary study in any area of the biological sciences. The two main goals are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process.

The topic areas covered are: molecular and cellular biology, energetics, genetics, and evolution. Students planning to take the AP exam in Biology should schedule both Biology I AP and Biology II AP.

H4203 BIOLOGY II AP

1 Credit (Second Semester) Grades 11-12

Prerequisites: Completion of Biology H4283 or H4273, Chemistry H4383, or H4373 Chemistry CP, and Algebra 2; and teacher recommendation.

Concurrent scheduling or prior completion of a Physics course is recommended.

The Biology II AP course is an advanced laboratory biology course designed for students interested in post-secondary study in any area of the biological sciences. The two main goals are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The topic areas covered are; taxonomy, phylogeny, and anatomy and physiology of plants and animals; and ecology. Students planning to take the AP exam in Biology should schedule both Biology I AP and Biology II AP.

H4593 ENVIRONMENTAL SCIENCE AP

1 Credit Second Semester) Grades 11-12

Prerequisite: Completion of H4283 Biology Honors and H4383 Chemistry Honors, or Biology CP (H4273) and H4373 Chemistry CP with permission of the Department Coordinator. Concurrent scheduling or prior completion of a Physics course is recommended.

The Environmental Science AP course is designed to be the equivalent of a one semester, introductory college course in environmental science. The course is a rigorous science course that stresses scientific principles and analysis and includes a laboratory component; as such it is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science. The goal of the course is to provide students with the

scientific principles, concepts and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, to examine alternative solutions for resolving and/or preventing them, and to develop and focus on their own role within society and the environment. Students will do field work within our campus outdoor study centers and on local field trips.

H4353 CURRENT TOPICS IN SCIENCE

1 Credit Grades 11-12

Prerequisites: General Science H4153 and Biology H4253 or recommendation of the Science Department Coordinator.

This is a science course for students needing to complete science graduation requirements and who are not planning to attend a post-secondary school. This course is designed to provide students with remediation for the Biology Keystone exam and practical, applicable knowledge base to better understand the world around them and to foster good thinking and decision-making skills. Contemporary issues in science will be discussed along with science topics that relate to everyday life. Students will have the opportunity to participate in class discussions, activities and laboratory exercises.

H4363 CHEMISTRY

1 Credit Grades 10-12

Prerequisite: Successful completion of General Science H4153 or H173 and Biology H4253 or H4273.

This is a laboratory-oriented course covering such topics as matter and its classification, chemical symbols and formulas, atomic structure, periodic classification of the elements, bonding, gas laws, solutions, and organic. Students will have the opportunity to participate in class discussions, activities and laboratory exercises.

H4373 CHEMISTRY CP

1 Credit Grades 10-12

Prerequisite: Successful completion of Algebra 1B

(H3173B). A solid understanding of algebraic principles is required, including rearranging equations with 3 variables, order of operations, and exponents. Completion of General Science and Biology.

This is a laboratory-oriented course covering such topics as matter and its classification, chemical symbols and formulas, atomic structure, periodic classification of the elements, bonding, the gas laws and molecular theories, stoichiometry, solutions, acids, bases, and salts.

H4383 CHEMISTRY HONORS

1 Credit

Grades 10-12

Prerequisite: Minimum grade of B- in Algebra 1 and student must have completed or be concurrently enrolled in Algebra 2. The above minimum grade is waived if the student is recommended for and presently enrolled in Precalculus AP. Completion of CP Biology with a B+ or Honors Biology.

The chemistry honors course presents all of the basic ideas of chemistry employing a laboratory-centered approach. The students develop the chemical principles as an outgrowth of student experiments, teacher demonstrations, or class lectures. Topics presented are atomic structure, periodicity, ionic and covalent bonding/nomenclature, mole concept, reactions, stoichiometry, states of matter, gas laws, thermochemistry and solutions. The course is recommended to students with a science-related vocational aim and who have a strong mathematical background.

H4393 CHEMISTRY I AP

1 Credit (Fall Semester)

Grades 11-12

Prerequisites: Completion of Chemistry Honors H4383, (85% or higher) and teacher recommendation. Current enrollment in, or satisfactory completion of, Math Analysis Honors (H3483), or Pre-calculus CP (H3473). Concurrent scheduling or prior completion of a Physics course is recommended.

Chemistry I AP is designed for the student who is interested in furthering their study of chemistry, with an emphasis on laboratory skills. Topics covered are Nature of Matter, Stoichiometry, Ionic and Molecular Compounds, Types of Reactions, Gases, Condensed Phases and Phase Transitions, Chemical Equilibrium, Dissolution and Precipitation Equilibrium. Students planning to take the AP exam in Chemistry should schedule both Chemistry I AP and Chemistry II AP.

H4303 CHEMISTRY II AP

1 Credit (Spring Semester)

Grades 11-12

Prerequisites: Completion of Chemistry I AP. Concurrent scheduling or prior completion of a Physics course is recommended.

Chemistry II AP is a continuation of Chemistry I AP. Emphasis in this semester will be on preparing for the AP exam. Topics covered are thermochemistry, kinetics, redox and electrochemistry, organic chemistry and nuclear chemistry. Students planning to take the AP exam in Chemistry should schedule both Chemistry I AP and Chemistry II AP.

H4463 PRINCIPLES OF SCIENCE & TECHNOLOGY

1 Credit

Grades 11-12

Prerequisite: Successful completion of General Science H4163 or H4173, Biology H4263 or H4273, and two credits, in math including Algebra 1A (H3163A or H3173A).

Principles of Science & Technology is a laboratory-based course. It is designed to meet the needs of a student looking to pursue a technical, mechanical or health related profession. The main thrust of the program will be to utilize math and science principles while applying them to real world situations. The theory will be reinforced with extensive “hands on” lab experiences. Students will study the concepts of force, work, rate, resistance, energy and power as related to mechanical, fluid, electrical, and thermal systems. Students will work with hand and power tools, electronics, and computers. *This is an excellent*

program for any student interested in HVAC, plumbing, electrical, and a health tech profession.

H4473 PHYSICS CP

1 Credit

Grades 11-12

Prerequisite: *Algebra 2 (H3273, H3233 or H3283) and Geometry (H3373, H3323 or H3383)*

Physics CP (4473) is offered for those students who are not planning to enter a math, science or engineering-related field, but would like to obtain a foundational understanding of the fundamental concepts in Physics. Topics covered include kinematics, dynamics, electricity, and electronics. Algebra will be utilized in the solving of problems. The necessary concepts of algebra will be reviewed as part of the course. Students will be engaged in several required STEM projects throughout the semester.

H4483 PHYSICS HONORS

1 Credit

Grades 11-12

Prerequisite: *Precalculus CP, Algebra 3/Trig CP, or College Algebra with recommendation of the science department coordinator or co-requisite: Precalculus AP*

Physics (Honors) is a survey course of the fundamental concepts of: kinematics, dynamics, electricity and electronics. Trigonometry will be utilized in the solving of two-dimensional problems. This course is offered for students interested in pursuing a math, science-related or engineering-related field of study. Physics Honors differs from the H4473 Physics CP courses in the quantity and depth to which an area is studied. This course utilizes a college physics text. Students will be engaged in several required STEM projects throughout the semester.

H4493 PHYSICS AP – MECHANICS

1 Credit (Fall Semester)

Grades 11-12

Prerequisite: *Completion of, or concurrent scheduling of, H3593A Calculus AB AP.*

The Mechanics AP course is a calculus based physics course in classical mechanics designed for students who may be interested in a science or engineering related field. The course prepares students to take a calculus based physics course in college. The following topics will be included: kinematics and dynamics of point masses, interactions of particles (mass, momentum and force), energy and work, laws of gravitation and orbiting bodies, and oscillation. The Mechanics AP course will be taught as a problem-solving course with the expectation that many of the theoretical laws will be learned in the process of problem solving. Students will have the potential to earn college credit in two ways with this course: The AP Physics C: Mechanics exam in May or credit for The University of Pittsburgh's PHYS 0174 Basic Physics For Science and Engineering 1 course through the College in High School program.

H4413 PHYSICS AP – ELECTRICITY AND MAGNETISM

1 Credit (Spring Semester)

Grades 11-12

Prerequisite: H4493 AP Mechanics

The Electricity and Magnetism AP course is a calculus based physics course in classical electro-magnetism. It is a course for students who may be interested in a science or engineering related field. The course will prepare students who wish to take the AP exam for college credit. It is also designed to prepare students to take a calculus based physics course in college. The following topics will be included: electrostatics, electrodynamics and magnetism. The Electricity and Magnetism AP course will be taught as a problem solving course with the expectation that many of the theoretical laws will be learned in the process of problem solving.

H4803 ANATOMY & PHYSIOLOGY HONORS

1 Credit

Grade 10-12

Prerequisites: *Completion of H4273 Biology or H4283 and concurrent scheduling or prior*

completion of Chemistry CP H4373 or H4383 is required.

Anatomy and Physiology is designed as a lab intensive course that covers gross anatomy, histology and physiology of organisms with a primary emphasis on mammals, specifically humans. Course content is designed around five key concepts or unifying themes that form a scaffold throughout the course including: Structure and function, evolution by natural selection, surface area to volume relationships, homeostasis and bioenergetics. Units of study are designed to prepare students for their freshman biology and or anatomy courses and thus include not just content, but basic histological skills, dissection skills, study skills and practice in the application of concepts and content to real life practical scenarios. Students taking this course should be interested in pursuing a four year bachelors of science degree in any area of the biological sciences or that have a strong interest in pursuing a career in areas related to medicine, nursing, physical therapy or other allied health science related fields.

Students will gain depth of understanding in reproduction, developmental biology, regulation of homeostasis, gross anatomy.

Note: Students will be required to dissect a representative vertebrate (a cat or a fetal pig) as part of this elective course. Which animal the whole class dissects each semester will be based on availability.

H4813 INTRODUCTION TO HUMAN BIOLOGY AND THE ALLIED HEALTH SCIENCES

1 Credit

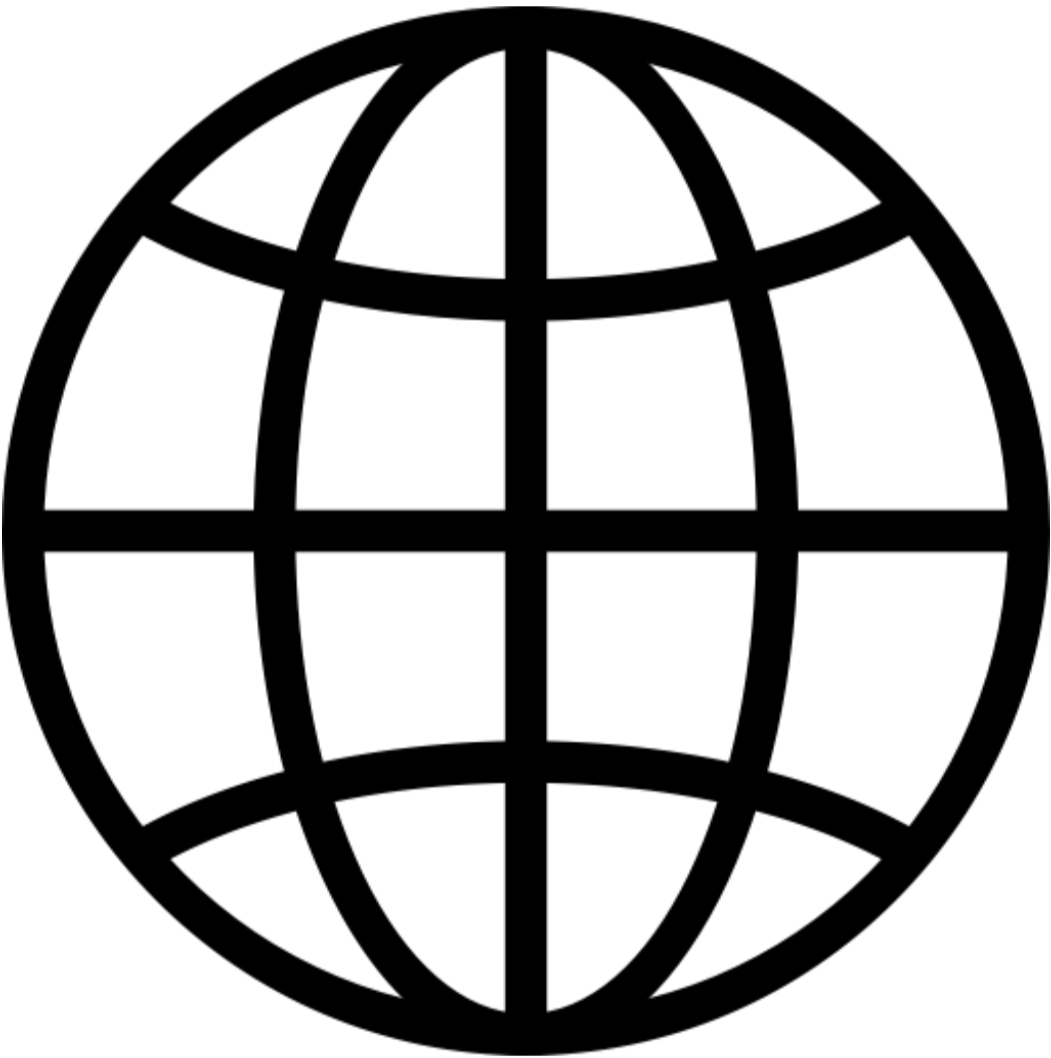
Grade 11-12

Prerequisites: Completion of Biology H4253 with a grade of B or above or H4273 with a C or above.

Human Biology is designed as a lab science for students interested in pursuing an associates (2 year) degree, certificate or diploma in an allied health science related field such as Diagnostic medical Sonographer, Cardiovascular Technologist/Technician, Community Health Worker, Cytotechnologist, Nurses' Aide/ Assistant, Phlebotomist etc. This course explores basic biological principles by studying the structure and function of the human body with a focus on body systems. This course emphasizes homeostasis, the relationship of anatomy and physiology at all levels of biological organization, and the demonstration of life processes through the normal functioning of body systems. These concepts will be taught in relation to specific career pathways in the allied health science field.

Note: Students will be required to dissect a representative vertebrate (a cat or a fetal pig) as part of this elective course. Which animal the whole class dissects each semester will be based on availability.

Social Studies



SOCIAL STUDIES COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H2153	Foundations of American History	9	S	E	1		Value I
H2173	American History CP	9	S	E	1		Value II
H2183	American History Honors	9	S	E	1		Value III
H2593	American History AP	9-12	S	E	1		Value IV
H2353	Foundations of World History	10	S	E	1		Value I
H2373	World History CP	10	S	E	1		Value II
H2383	World History Honors	10	S	E	1		Value III
H2393	World History AP: Modern	10-12	S	E	1		Value IV
H2453	Foundations of Government & Economics	11	S	E	1		Value I
H2463	Government & Economics	11	S	E	1		Value IA
H2473	Government & Economics CP	11	S	E	1		Value II
H2483	Government & Economics Honors	11	S	E	1		Value III
H2493	U.S. Government & Politics AP	11	S	E	1		Value IV
H2853	Foundations of Global America	12	S	E	1		Value I
H2863	Global America	12	S	E	1		Value IA
H2873	Global America CP	12	S	E	1		Value II
H2693	Microeconomics AP	12	S	E	1		Value IV
H2193	Macroeconomics AP	12	S	E	1		Value IV
H2893	Comparative Government & Politics AP	12	S	E	1		Value IV
H2543	Pennsylvania and Lancaster County CP	9-12	S	E	1		Value II
H2553	Rights and Events in a Modern World	9-12	S	E	1		Value II
H2563	Principles of American Law	11-12	S	E	1		Value II
H2573	Psychology CP	10-12	S	E	1		Value II
H2293	European History AP	10-12	S	E	1	EVEN	Value IV
H2793	Human Geography AP	10-12	S	E	1	ODD	Value IV
H2993	Psychology AP	10-12	S	E	1		Value IV
H2911	Criminal Justice	9-12	S	A	0.5		Value II

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

Students must complete Four (4.0) Units of Credit to meet Graduation Requirements. Options include,

- **Grade 9:** American History *or* American History AP
- **Grade 10:** World History *or* World History AP: Modern
- **Grade 11:** US Government and Economics *or* Government and Politics AP
- **Grade 12:** Global America *or* Microeconomics AP *or* Macroeconomics AP *or* European History AP *or* Human Geography AP *or* Comparative Government AP *or* Dual Enrollment Course

+ **College in the high school course option.**

American History Advanced Placement will be available for 9th grade students who meet the following academic requirements:

1. Students must score Advanced in their English Language Arts PSSA in 7th and 8th grade. PSSA scores from the 8th grade exam will not be known until the summer before the student enters 9th grade; if the score is below advanced, they will be rescheduled into an Honors American History class.
2. Students must receive a recommendation from their honors American History teacher in 8th grade to take AP American History in 9th grade. Teachers will utilize a checklist of traits/skills necessary to recommend students for AP American History.

Course Sequence	Grade 9	Grade 10	Grade 11	Grade 12
Foundations	Foundations of American History	Foundations of World History 10	Foundations of Government and Economics	Foundations of Global America
			Government and Economics	Global America
College Prep	American History - CP	World History 10 - CP	Government and Economics – CP	Global America – CP
Honors	American History – Honors	World History 10 – Honors	Government and Economics – Honors	Microeconomics AP <i>or</i> Macroeconomics AP <i>or</i> European History AP <i>or</i> Human Geography AP <i>or</i> Comparative Government – AP
AP	U.S. History – AP	World History – AP	U.S. Government and Politics – AP	

SOCIAL STUDIES COURSE SEQUENCE

The courses listed in the chart are required for each grade level and must be taken in the following order: American History, World History, Government and Economics, and Global America. Students may switch between strands as long as the student meets the state requirements in the course description for entering the new sequence and receives parent, teacher, or department coordinator approval.

H2153 FOUNDATIONS OF AMERICAN HISTORY

1 Credit Grade 9
Prerequisite: Teacher Recommendation

American History, provides students with a foundation in the historical, geographic, political, socio-cultural and economic development of the United States from the post-Civil War time period to 1980. Students will examine the major issues, achievements, and challenges faced by our country and its leaders. This course includes connecting current issues in America with the past through the use of technology, cooperative learning, and individual interpretations.

H2173 AMERICAN HISTORY CP

1 Credit Grade 9

American History CP provides student with a foundation in the historical, geographic, political, social-cultural and economic development of the United States from the late 19th to late 20th Centuries. The course focuses on the impact of historical events and how those events have shaped the American identity. This course will include the extensive use of technology, cooperative learning, and individual interpretation in the study of American History to show mastery of identified standards. Students will be required to complete oral and written content topic writings, research using primary sources, and assignments to be completed outside of the classroom.

H2183 AMERICAN HISTORY 9 HONORS

1 Credit Grade 9

The American History Honors course requirements will include those of the college prep course with a greater focus on the willingness of students to be self-motivated to engage in the concepts and content of the course. Students will do numerous outside readings, internet research, and essay writings. The course will also stress current issues and events that reflect upon historical and cultural trends.

H2353 FOUNDATIONS OF WORLD HISTORY

1 Credit Grade 10

In this course students will study world cultures and history from c. 1200 CE to the present by analyzing historical sources and learning to make connections using historical arguments. An overview of major world religions serves as an introduction to the course as students explore concepts such as humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Learning will be facilitated through direct instruction, student-driven research, and collaborative projects.

H2373 WORLD HISTORY CP

1 Credit Grade 10

This course is an overview of world cultures and history. An understanding of the basic elements of culture serves as the introduction to the course. The geography, history, socio-cultural, economic and political characteristics and the development of Europe, Middle East, India, China, and Africa from 1350 to present are components of the course content. The course focuses on current issues that reflect upon historical and cultural trends. This course includes research projects.

H2383 WORLD HISTORY HONORS

1 Credit

Grade 10

In this course students will do several outside readings, Internet research assignments, and several essays while learning about the development of modern civilization and the increasingly globalized world. An overview of the elements of culture serves as the introduction to the course. The primary focus of the course is the understanding of various world cultures and histories including: Europe, Middle East, India, China, and Africa from 1350 to present. The course will also stress current issues and events that reflect upon historical and cultural trends.

H2393 WORLD HISTORY AP: MODERN

1 Credit

Grade 10-12

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

World History AP: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

H2453 FOUNDATIONS OF GOVERNMENT & ECONOMICS

1 Credit

Grades 11

Citizenship is a fundamental aspect within American society. Thus, the emphasis of the Foundations of Government and Economics course will be focus on the relationship between civic participation and economic activity within each student's personal and professional life. Utilizing in-class instruction such as current events, guest speakers, and project-based learning, the course will focus on a comprehensive analysis of both the

structure and function of the United States' government and economic systems.

H2463 GOVERNMENT & ECONOMICS

1 Credit

Grades 11

Government and Economics is designed to give each student a comprehensive study of the structure and functions of the United States' political and economic systems. As such, students will develop the inquiry and analytical skills necessary to better understand the foundations, functions, and purpose of the American government, as well as the aggregate economy. Utilizing in-class instruction such as current events, guest speakers, and project-based learning, the course will focus on an in-depth analysis of both the structure and function of the United States' government and economic systems.

H2473 GOVERNMENT & ECONOMICS CP

1 Credit

Grade 11

The Government and Economics – College Preparatory class is designed to give the student an interpretive analysis of the structure and functions of the United States' political and economic systems. As such, students will develop the inquiry and analytical skills necessary to better understand our political and economic systems. Such systems will be studied through the foundation of the American form of government, political ideology, the role of the American citizen within government, political leadership, and the study of choices within both micro and macro-economics. Additionally, students will develop a keen awareness of how Government & Economics affects citizens via an in-depth examination of current events as an integral component of the course.

H2483 GOVERNMENT & ECONOMICS HONORS

1 Credit

Grade 11

The Honors Government and Economics – College Preparatory class is designed to give the student an intense interpretive analysis of the structure and

functions of the United States' political and economic systems. As such, students will develop the inquiry and analytical skills necessary to better understand our political and economic systems. Such systems will be studied through the foundation of the American form of government, political ideology, the role of the American citizen within government, political leadership, and the study of choices within both micro and macro-economics. Additionally, students will develop a keen awareness of how Government & Economics affects citizens via an intense examination of current events, as well as outside readings and collegiate articles, as an integral component of the course.

H2493 U.S. GOVERNMENT & POLITICS AP

1 Credit

Grade 11

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

U.S. Government and Politics AP is a one-semester introductory college course. This course provides students the opportunity to develop a critical perspective on government and politics in the United States. The focus of this course is on the structure of our government based on the Constitution's separation of powers and checks and balances. It includes the concepts and structures used to interpret American politics and the analysis of significant case studies. Students examine various institutions, groups, beliefs, and ideas that shape the American political system. This course also incorporates a unit on introductory economic concepts, principles and functions. Students will have the option to take the national Advanced Placement examination in U.S. Government and Politics for possible college credit. **U.S. Government and Politics AP may be taken in lieu of Government and Economics Honors (2483).**

H2853 FOUNDATIONS OF GLOBAL AMERICA

1 Credit

Grade 12

Emphasis in this course will be on the relationship of the course content to the professional and work life of the student in an environment of technological change and development. Global America is a chronological study of America's modern day influence and participation in world events. This course corresponds to the Pennsylvania Standards for Civics & Government and Economics.

H2863 GLOBAL AMERICA

1 Credit

Grade 12

Emphasis in this course will be on the relationship of the course content to the professional and work life of the student in an environment of technological change and development. Global America is a chronological study of America's modern day influence and participation in world events. This course will emphasize modern American history since the Cold War and America's role in global political and economic issues. Themes will include international conflict and compromise, domestic politics, globalization, economic interdependence, and technology. This course corresponds to the Pennsylvania Standards for Civics & Government and Economics.

H2873 GLOBAL AMERICA CP

1 Credit

Grade 12

Emphasis in this course will be on the relationship of the course content to the professional and work life of the student in an environment of technological change and development. Global America is a chronological study of America's modern day influence and participation in world events. This course will emphasize modern American history since the Cold War and America's role in global political and economic issues. Examples of themes explored throughout the course may include, continuity and change, conflict and cooperation, government systems, foreign policies, economic systems, international trade, international organizations,

mass media, technology and world politics. Students will complete outside readings, reports, and/or projects. This course corresponds to the Pennsylvania Standards for Civics & Government and Economics.

H2893 COMPARATIVE GOVERNMENT & POLITICS AP

1 Credit

Grade 12

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

Comparative Government & Politics AP is a one-semester introductory college course. This course provides students the opportunity to develop a critical perspective on the similarities and differences among national governments and political systems. It includes the concepts and structures used to interpret governmental and political systems, and will include the study of the governmental systems of Great Britain, Russia, China Mexico, Iran, and Nigeria.

Students will have the option to take the national Advanced Placement examination in Comparative Government & Politics for possible college credit.

Comparative Government and Politics may be taken in lieu of Global America.

H2693 MICROECONOMICS AP

1 Credit

Grade 12

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

The AP course in microeconomics develops a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of markets, and the role of government in promoting greater efficiency and equity in the economy. Students are required to complete outside reading and writing

assignments that involve research and use basic mathematical problem-solving skills. Students will have the option to take the national Advanced Placement examination in Microeconomics for possible college credit. ***Microeconomics AP may be taken in lieu of Global America.***

H2193 MACROECONOMICS AP

1 Credit

Grade 12

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the principles that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies. ***Macroeconomics AP may be taken in lieu of Global America.***

H2293 EUROPEAN HISTORY AP

1 Credit

Grades 10-12

AP European History is designed to be the equivalent of a two-semester introductory college or university European history course. In AP European History students investigate significant events, individuals, developments, and processes in four historical periods from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and

subjective visions; states and other institutions of power; individual and society; and national and European identity. This class will be offered every other year.

H2793 HUMAN GEOGRAPHY AP

1 Credit

Grades 10-12

Human Geography AP is an introductory, college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with the environment, and spatial processes and societal changes. This class will be offered every other year.

SOCIAL STUDIES – ELECTIVES

In addition to the electives listed below, AP courses that students do not use as replacement courses may count as elective or arts/humanities credits.

H2543 PENNSYLVANIA AND LANCASTER COUNTY
CP

1 Credit

Grades 9-12

Why do millions of people visit Lancaster County every year? How do the Amish live? This course will help students develop an understanding of what it means to live in Pennsylvania and Lancaster County. Course concepts include the history and geography of Pennsylvania, Lancaster County, and the Hempfield School District. In addition, the course will focus on the economic trends, social and cultural aspects of Pennsylvania and Lancaster. Students will explore resources to develop an understanding of their place in Pennsylvania and Lancaster County and will have an opportunity to experience oral history to help them further develop their understanding of the core concepts of the course.

H2563 PRINCIPLES OF AMERICAN LAW

1 Credit

Grades 11 & 12

Prerequisite: Students must have successfully completed Government & Economics - College Prep (H2473), Honors (H2483), AP U.S. Government (H2493), or an approved replacement course, with an overall academic score of 'B' or higher before enrolling in this course, as a comprehensive knowledge of the United States Constitution, Due Process of Law, and Judicial Review are all necessary for students to understand prior to taking the Law Course.

Citizens of the United States are fortunate to live in a country where the Rule of Law both values and protects the rights and liberties of all individuals. This course is designed to provide students with a comprehensive study of how the United States achieves this through an analysis of the six pillars of the American Legal System: Constitution Law, Contract Law, Business Law, Employment Law, Property Law, and Legal Borrowing & Lending. Through the use of readings, case studies, and authentic legal applications, students will analyze how these six legal pillars—both individually and collectively—uphold citizens’ rights and responsibilities. At the midpoint of the course, students will have the opportunity to apply their knowledge in order to address a civil matter via a Mock Trial experience.

H2553 RIGHTS AND EVENTS IN A MODERN WORLD

1 Credit

Grades 9-12

This project-based course integrates domestic and worldwide events with the study of rights and their evolution in today's world. The course begins with an examination of the modern world and its issues and follows with a detailed study of the most important events of the 21st Century. Students will analyze the evolution of rights as well as the connection between rights, culture, and political systems. Human rights, including modern-day slavery and censorship, equal rights, and individual rights will serve as a main focus of

study. Current events will also serve as a major course component. Skills emphasized within the course will include collaboration, inquiry, analysis, discussion, debate, and the integration of technology.

H2573 PSYCHOLOGY CP

1 Credit

Grades 10-12

Prerequisite: C or higher in a previous College Prep level Social Studies course or permission from the Department Coordinator.

This course is an introduction to the behavioral sciences. The first portion of the course is an introduction to Psychology. The second portion of the course is an introduction to Sociology. The basic principles of human behavior and the theories which support current schools of thought are examined. The inquiry and analytical skills required for the study of human behavior will be a sound basis for college study and will provide students with the insights to better understand him/herself and others.

Students who enroll in this course and score a B+ or higher will be eligible to take Psychology AP.

H2993 PSYCHOLOGY AP

1 Credit

Grades 10-12

Prerequisite: B+ or higher in a previous Honors level Social Studies course or the approval of the Department Coordinator.

Advanced Placement Psychology is an in-depth study of human behavior. Topics such as learning, personality, abnormal psychology, therapy and human development will be studied. Students will be expected to complete a special topics project/presentation.

Textbooks are college-level and students will be expected to read independently. Analysis and synthesis will be demonstrated through the writing of essays and participation in discussion. College credit and/or advanced placement may be obtained by achieving a satisfactory score on the standardized Advanced Placement Psychology exam.

H2911 CRIMINAL JUSTICE

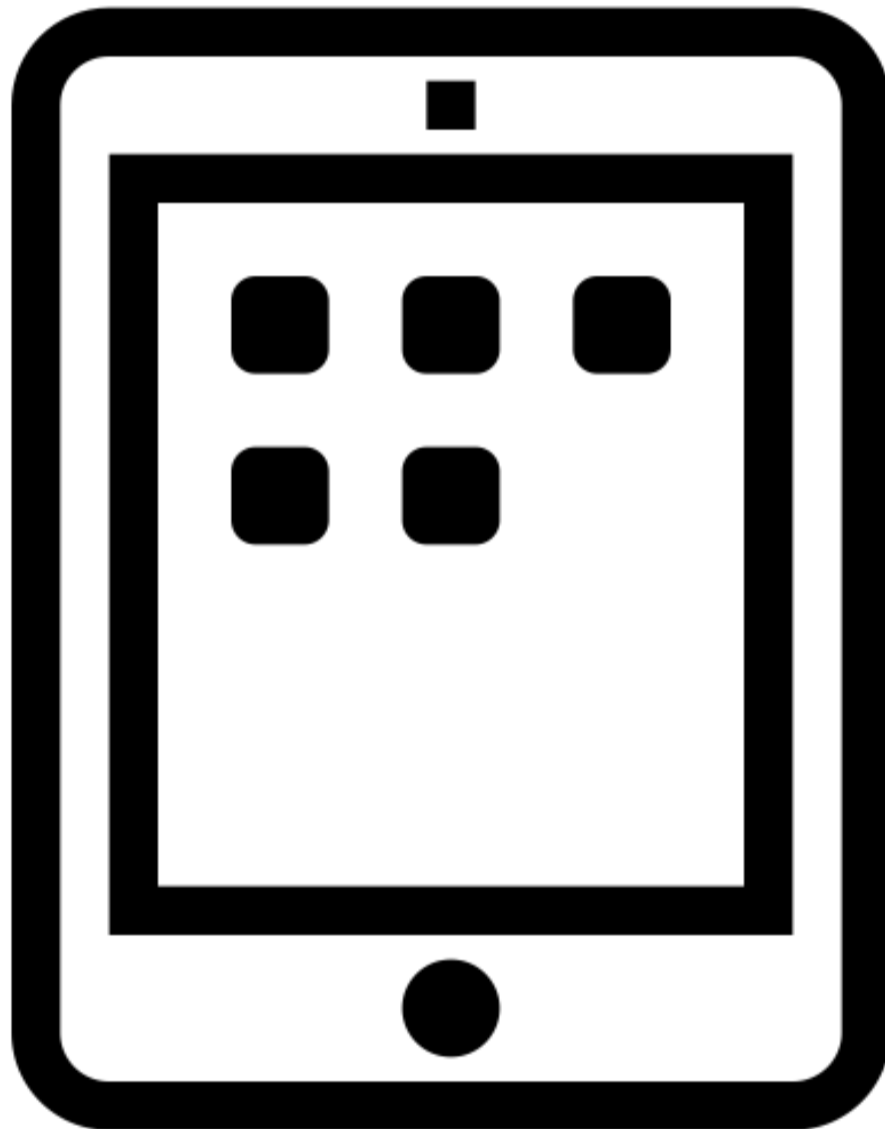
0.5 Credit

Grades 9-12

Crime is an unfortunate phenomenon of all societies. This course is designed to provide students with a comprehensive study of how the United States addresses crime via the American Criminal Justice System and the contemporary application of Due Process of Law. Concepts such as crime, deviance, and justice will be examined at length, as well as the general theories of crime causality. Accordingly, the organization and operation of the three basic components of the American Justice System—law enforcement, the courts, and corrections—will be examined both individually and also in relationship to one another. At the conclusion of the course, students will have the opportunity to apply their knowledge via a Mock Trial / Jury Duty culminating experience.

Chapter 3 | Section 11

Technology and Engineering Education



TECHNOLOGY AND ENGINEERING EDUCATION COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
*H8093	Introduction to Engineering Design	9-12	S	E	1		Value IV
*H8193	Principles of Engineering	10-12	S	E	1		Value IV
*H8293	Digital Electronics	10-12	S	E	1	ODD	Value IV
*H8393	Civil Engineering and Architecture	10-12	S	E	1	EVEN	Value IV
H8113	Electronics I	9-12	S	E	1		
H8123	Electronics II	10-12	S	E	1		
H8143	Electronics - Independent Study	11-12	S	E	1		
H8281	Digital Photography I	9-12	S	A	0.5		
H8282	Digital Photography II	10-12	S	E	1		
H8303	Manufacturing Technology I (Metal)	9-12	S	E	1		
H8313	Manufacturing Technology II (Metal)	10-12	S	E	1		
H8323	Manufacturing Technology -Independent Study (Fab Tech)	10-12	S	E	1	EVEN	
H8413	Power Technology	9-12	S	E	1		
H8503	Materials and Processes I (Wood)	9-12	S	E	1		
H8513	Materials and Processes II (Wood)	10-12	S	E	1		
H8533	Materials and Processes – Independent Study (Wood)	11-12	S	E	1	EVEN	
H8603	Intro to Drafting & Design	9-12	S	E	1		
H8613	Engineering Drafting & Design	10-12	S	E	1		
H8623	Architectural Drafting & Design	10-12	S	E	1		
H8643	Drafting & Design - Independent Study	11-12	S	E	1		
H8543	Graphic Design I	9-12	S	E	1		
H8553	Graphic Design II	10-12	S	E	1		
H8563	Graphic Design - Independent Study	11-12	S	E	1		
H8683	Introduction to Video Game Design	10-12	S	E	1		

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

***Project Lead the Way (PL TW) Course.** PLTW is a National High School Pre-Engineering Curriculum. See complete description below.

Project fees may exist as students will have the option to select additional or higher quality supplies for some assignments.

PROJECT LEAD THE WAY (PLTW)

National High School Pre-Engineering Curriculum

This is a four-year sequence of courses developed by engineers, Rochester Institute of Technology (RIT) faculty, and associated organizations. The curriculum, when combined with traditional mathematics and science courses in the high school, introduces students to the scope, rigor and discipline of engineering prior to entering college. The program is part of an articulation agreement with PLTW and other affiliated colleges where students can earn up to eleven (11) college credits in Mechanical or Electrical Engineering Technology. Credits are awarded through the Rochester Institute of Technology.

Introduction to Engineering Design (H8093) is the entry course in the PLTW program. Follow-up courses in Principles of Engineering (H8193), Digital Electronics (H8293), Civil Engineering & Architecture (H8393), and Computer Integrated Manufacturing are also offered on a rotating basis. Additional courses will follow in subsequent years.

H8093 INTRODUCTION TO ENGINEERING DESIGN (PLTW)

1 Credit

Grades 9-12

Math Prerequisites/Co-requisites: Algebra 1A or Algebra 1 (This is the first course in the Project Lead the Way program.)

Ever try to design something new or draw up an idea you wanted to share with your friends and wondered how you could communicate your idea? Or, have you wondered how someone designed that new MP3 player or sleek new phone? Then Introduction to Engineering Design is the course for you. The major focus of the course is learning how to take an idea through a design process that will eventually be manufactured or produced. As you learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing, you will apply what you learn through various activities, projects, and problems. For example, after learning about the

different techniques engineers use in determining how to design a product, you and your teacher will have the flexibility to explore the design and engineering processes to solve problems that are of interest to you. The course covers the following:

- The Role of an Engineer
- The Design Process
- Product Design
- Product Analysis and Improvement
- Designing as an Engineer

In addition, you will use Inventor, which is a state of the art 3-D design software package from AutoDesk, to help you design solutions to different design projects. Working in teams, you will learn about documenting your solutions, solving problems, and communicating your solutions to other students and members of the professional engineering community.

H8193 PRINCIPLES OF ENGINEERING (PLTW)

1 Credit

Grades 10-12

Prerequisite: Student must have completed Introduction to Engineering Design (H8093) and maintained a “B” average or higher.

Math Prerequisite/Co-requisite: Geometry

The main purpose of this course is to experience, through theory and hands-on problem solving activities, what engineering is all about and to answer the question: “Is a career in engineering or engineering technology for me?” By exploring various technological systems and manufacturing processes, students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. Units of study include the process of design, types of engineering systems, material properties, and engineering dynamics.

H8293 DIGITAL ELECTRONICS (PLTW)

1 Credit

Grades 10-12

Prerequisite: Student must have completed Introduction to Engineering Design (H8093) and Principles of Engineering (H8193) or Electronics I (8113). Each student must have specific approval from the instructor.

This is a course in applied logic as it is used in electronic circuits and devices. Computer simulation software, bread-boarding, and actual wiring are used to design and test digital circuitry. This course requires the student to have a solid background in Algebra. The rules, laws, and theorems of Boolean algebra and truth tables will be used to manipulate and simplify logic expressions. Topics to be covered include: basic electron theory, simple circuits, Ohms Law, capacitance, frequency, number systems, logic gates, combinational circuit design, binary addition, flip-flops, shift registers & counters, and micro-processors. **This course is offered every-other year.**

H8393 CIVIL ENGINEERING AND ARCHITECTURE (PLTW)

1 Credit

Grades 10-12

Prerequisite: Student must have completed: Introduction to Engineering Design (H8093) and Principles of Engineering (H8193) OR Architectural Drafting and Design (8623), Algebra 2A or Algebra 2. Each student must have specific approval from the instructor.

Ever think about building a house, a store, a restaurant, and wondered how to go about it? Then Civil Engineering and Architecture is the course for you. This overview of the fields of civil engineering and architecture emphasizes the inter-relationship and mutual dependence of both fields. Students use state-of-the-art software to solve real world problems and apply knowledge to hands-on projects and activities. By developing and implementing plans for a play-ground/ park or vacation home for example, students experience firsthand the job responsibilities of architects and civil engineers. By the end of the course,

students are able to give a complete presentation to the client including three-dimensional renderings of buildings and improvements, zoning and ordinance constraints, infrastructure requirements, and other essential project plans.

The course covers the following:

- The Roles of Civil Engineers and Architects
- Project Planning
- Site Planning
- Building Design
- Project Documentation and Presentation

In addition, you will use Revit, which is a state of the art 3-D design software package from AutoDesk, to help you design solutions to solve your major course project. Working in teams, you will learn about documenting your project, solving problems, and communicating your solutions to other students and members of the professional community of civil engineering and architecture. **This course is offered every-other year.**

H8113 ELECTRONICS I

1 Credit

Grades 9-12

Students interested in careers related to electronics, computer science or engineering should elect to take electronics. Success in our present world has become highly dependent upon an understanding of electronics technology. This introductory course will help you understand how many of the devices that we use every day actually work. This is a “hands-on” class where you can develop skills with tools, machines, and electronic test equipment. During the course, each student will actually construct a variety of electronic circuits, while developing skills in: reading schematics, identifying and soldering components, wiring, enclosure design, and basic troubleshooting. Topics covered include introduction to basic component characteristics, sources of electricity, circuits and power, Ohm’s law, magnetism, and simple D.C. electrical circuits.

Computers are used to design circuit boards, draw schematics and enclosure drawings, simulate circuit functions, and perform experiments. A culminating project is required at the end of the course to demonstrate the student's understanding of the course content. The major goal of this course is to provide a successful introductory experience with electronics that can serve as a foundation for further study.

H8123 ELECTRONICS II

1 Credit

Grades 10-12

Prerequisite: Student must have completed Electronics I (H8113) and/or Digital Electronics (H8293).

Any student who plans to pursue a career in electronics, computers, science, or engineering will benefit from this course. Students will learn about a wide variety of electronic components and circuits while continuing to develop hands-on skills with tools, machines, and electronic test equipment. Topics of this course will focus on applications of electronic circuits used for communications systems and processing methods for sound, video, and digital information. An introduction into A.C. electrical circuits is presented. Students advance into a more detailed study of electronic components with emphasis on solid-state components and circuits. Computers are used extensively for computer-aided circuit design, circuit simulation, individualized instruction, and drawing of enclosure designs and schematics. Student built projects will reinforce concepts and develop individual skills. A project is required at the end of the course to demonstrate the student's understanding of the course content. Field trips to the local electronics industry are included in this course to better acquaint students with opportunities associated in the electronics field.

H8143 ELECTRONICS – INDEPENDENT STUDY

1 Credit

Grades 11-12

Prerequisite: Student must have completed Electronics II (H8123) and maintained a “B” average or higher. Each student must have specific approval from the instructor.

Independent study courses are designed for the exemplary Technology Education student who has the ability and desire to pursue an in-depth study of a specific area in which they have proven themselves to be proficient. A conference should be held with the instructor to determine course content, requirements, and eligibility.

H8303 MANUFACTURING TECHNOLOGY I (METAL)

1 Credit

Grades 9-12

Manufacturing Technology course content includes technical drawing and design, basic metalworking hand tools and machinery, sheet metal machinery and welding, MIG welding processes, manual and computer controlled plasma cutting, and basic metal lathe machining. Students will create a variety of projects that they select and also have the chance to design and fabricate unique projects of their own design. Examples of student designed projects include camping stoves, fire pits, end tables, tool boxes, blacksmithing tools, video game racks, shoe racks, metal art work, and many more. This course introduces students to the exciting concepts of modern metalworking and manufacturing processes. It is an excellent choice for anyone interested in pursuing hands-on learning that leads to rewarding career opportunities. Field trips will be offered to local industries to highlight current manufacturing career opportunities.

H8313 MANUFACTURING TECHNOLOGY II (METAL)

1 Credit

Grades 10-12

Prerequisite: Manufacturing Technology I (H8303) or Power Technology (h8413)

Manufacturing Technology II course content includes CNC plasma cutting, TIG welding, stick welding, weld testing and inspection, metal casting, metal lathe, and both CNC and manual milling. Field trips to local industries will introduce students to the range of careers available for them in the manufacturing field. Students will have opportunities to use their training to design and fabricate independent projects. Examples of Manufacturing II student projects include machined air piston engines, railroad rail anvils, forges, machined pens, tables, robotic vehicles, and many more. This class is recommended for any student interested in pursuing higher education or a career in the manufacturing field.

H8323 MANUFACTURING TECHNOLOGY - INDEPENDENT STUDY (FAB TECH)

1 Credit

Grades 10-12

Prerequisite: Student must have completed Manufacturing Technology I (H8303) and maintained a "B" average or higher.

This course is designed to promote collaboration between local manufacturing industries, higher education institutions, and the Hempfield High School Technology Education Department. Course content includes out of position welding, CNC milling, Tool and Die concepts, CAD/CAM software and advanced CAM strategies for machining. The course will be focused around a collaborative experience in which Hempfield students will work with industry experts or higher education instructors to create a joint product using machinery and processes from multiple facilities. These projects frequently involve other courses within the Technology and Engineering department. Past examples include a Hempfield Shield keychain made in collaboration with New Standard Corporation, a Hempfield pen made in collaboration with TE

Connectivity, and a Hempfield pencil holder made in collaboration with Stevens College of Technology. This course is an excellent choice for a student who is considering CTC, higher education, engineering, or entering the workforce upon graduation. **This course is offered every-other year.**

H8413 POWER TECHNOLOGY

1 Credit

Grades 9-12

Power Technology focuses on technology used for automation and robotics. Course content includes metal fabrication, plasma cutting, welding, mechanical power systems, fluid power systems, electrical control systems, and automation. Learning activities include fabricating a trebuchet for a competition, utilizing various power train components, and constructing pneumatic circuits. Students will also learn how to use electrical control devices and programmable logic control (PLC) to control both pneumatic and mechanical systems. The course concludes with an opportunity to work in teams to create final design projects utilizing technologies taught throughout the course. Examples include Battle-Bots and automated battle-bot arena hazards. This class is an excellent opportunity to learn about our automated world.

H8503 MATERIALS & PROCESSES I (WOOD)

1 Credit

Grades 9-12

This introductory class is designed to introduce students to woodworking production experiences. Students will learn how to safely use woodworking tools and power equipment to explore the properties and characteristics of wood by constructing various student centered projects. Additionally, students will complete several problem-solving activities (The Penny Launcher is an example of this type of activity). Students will have the opportunity to use the computer controlled router (CNC) and laser engraver. This class is a good choice for the student who enjoys working with their hands and using technology to be creative.

H8513 MATERIALS & PROCESSES II (Wood)

1 Credit

Grades 10-12

Prerequisite: Materials & Processes I (Wood)

Students will have an opportunity to further develop and apply skills in the areas of woodworking and wood production. Students will explore specialized methods of safe machine operation, project planning, and project development in a hands-on, student-centered lab environment. Problem solving activities will be introduced to develop higher level thinking skills. (The Golf Ball Launcher Activity is an example of this.) The CNC router, laser engraver and other technological developments in the area of woodworking will also be further studied. This class is a good choice for the student who enjoyed Materials & Processes I and is exploring this area as a possible career path.

H8533 MATERIALS & PROCESSES – INDEPENDENT STUDY (WOOD)

1 Credit

Grades 10-12

Prerequisite: Student must have completed Materials & Processes II (H8513) and maintained a “B” average or higher. Each student must have specific approval from the instructor.

This course is designed for students who want to further expand their skill and knowledge in the area of woodworking production. Students will select a project and maintain a portfolio throughout the production process. Emphasis will be placed on advanced laser engraving and CNC router techniques. Students will participate in the “Beat Mr. J” skills contest where we build and compete against each other on a themed project. Career opportunities in related fields will be also be studied. This course is an excellent choice for a student who is considering a two or four year college or entering the workforce upon graduation. **This course is offered every-other year.**

H8603 INTRO TO DRAFTING & DESIGN

1 Credit

Grades 9-12

This class is designed as an introduction to drafting and design techniques and software. It will stress the importance of drafting to industry, engineering, design and fabrication. Computer-Aided-Drafting (CAD) will be introduced and used for the bulk of the student work in this class. AutoCAD will be used for 2D CAD work including the study of orthographic projection, dimensioning, section views, isometric projection, and pattern development. Autodesk Inventor will be used for the 3D Solid modeling portion of this course. Students will learn to model parts, create assemblies, animate assemblies and create drawing views of their models. Students will use AutoCAD and Inventor to complete required projects and individual products of the student’s choice using the Laser Engraver, CNC router and 3D printers. A variety of materials will be provided for students to complete both required and student choice projects. Evaluation will be based on completion of projects and assignments.

H8613 ENGINEERING DRAFTING & DESIGN

1 Credit

Grades 10-12

Prerequisite: Intro to Drafting & Design

This course is designed to help students understand how to effectively communicate designs through 2D drawings and 3D modeling. This course will include a review of AutoCAD drafting techniques for 2D drawings including; orthographic projection, auxiliary views, isometric projection, section views and solid intersections. Autodesk Inventor will be used for the bulk of the course to create 3D solid models, assemble and animate designs, and create annotated drawings. Computer-Aided-Manufacturing (CAM) will be introduced and students will use AutoCAD and the laser cutter to cut parts for hands on design and problem solving activities including; a hydraulically powered robotic arm and scale model of a drawbridge all designed and built by the students. Evaluation will be based on completion of projects and assignments.

H8623 ARCHITECTURAL DRAFTING & DESIGN

1 Credit

Grades 10-12

Prerequisite: Intro to Drafting & Design

This course will introduce the student to residential home construction and planning. Topics of study will include: sketching, scale, room/area planning, architectural styles, influential architects, plot planning, foundations systems, wall and truss construction, model construction and architectural design software. After learning the design process, students will use Autodesk Revit to model their designs. Autodesk Revit creates a 3D “Building Information Model” (BIM) which allows architects to export 2D plans, schedules, rendered images and walk-throughs from 3D computer models. Students will leave with a full set on home plans including, a presentation sheet, a plot plan, floor plan(s), foundation plan, elevations, and section/detail sheet(s). The final project for this course is a scale model of the student’s residential home design. Students will learn how to export their 3D Revit model into 2D AutoCAD and use the geometry to cut scale models of their design on the laser cutter/engraver. Evaluation will be based on a final portfolio of plans, models, and completion of in class projects and assignments.

H8643 DRAFTING & DESIGN - INDEPENDENT STUDY

1 Credit

Grades 10-12

Prerequisite: Student must have completed Engineering Drafting & Design (H8613) or Architectural Drafting & Design (H8623) and maintained a “B” average or higher. Each student must have specific approval from the instructor.

Independent study courses are designed for the exemplary Technology Education student who has the ability and desire to pursue an in-depth study of a specific area in which they have proven themselves to be proficient. A conference should be held with the instructor to determine course content, requirements, and eligibility.

H8543 GRAPHIC DESIGN I

1 Credit

Grades 9-12

Graphic Design I focuses on communicating effective messages through the use of design. Student activities concentrate on design, image editing, and using related software applications efficiently and effectively. Students transfer their knowledge from other disciplines as they relate to class projects. Design and layout skills will be introduced and strengthened as an integral segment of using various computer applications. All students may utilize the Internet, which serves as an important resource for obtaining relevant information. How technologies impact our society will be discussed. Problem solving is achieved through the use of the Communication Systems Model. Performance-based assessment will be used, and portfolios will be created at the end of the course as a way to showcase student work throughout the semester.

H8553 GRAPHIC DESIGN II

1 Credit

Grades 10-12

Prerequisite: Students must have successfully completed H8543 Graphic Design I OR H866S Desktop Publishing I.

As a continuation of the Graphic Design 1 course, students will participate in more advanced techniques and activities. Areas of concentration will be design and layout, digital imaging, and software applications. Concepts related to cooperative learning, the impacts and limits of technology, higher order thinking, and responsibility will be addressed. Students will have the opportunity to research techniques and relate them to particular applications. Performance-based assessment will be used, and portfolios will be created at the end of the course.

H8563 GRAPHIC DESIGN - INDEPENDENT STUDY

1 Credit

Grades 10-12

Prerequisite: Student must have completed H8553 Graphic Design II or Introduction to Video Game Design and maintained a “B” average or higher.

Independent study courses are designed for the exemplary Technology Education student who has the ability and desire to pursue an in-depth study of a specific area in which they have proven themselves to be proficient. Students may choose to further study in the areas of Graphic Design or Video Game Design. A conference should be held with the instructor to determine course content, requirements, and eligibility.

H8281 DIGITAL PHOTOGRAPHY I

0.50 Credit Grades 9-12

Digital Photography I is a fast-paced, exploratory course in digital imaging and editing. Students will be required to use outside class time to complete a variety of photoshoot assignments. Topics include composition, manipulation of camera settings, and others. Students will use computer software to enhance, restore, and manipulate their digital photos. Image scanning, file management, and printing techniques will also be covered. Students will explore the moral, ethical, and responsibility issues surrounding digital imaging. Students will use their district provided iPad as well as any personal mobile devices to take photos for the course. When actual cameras are needed, they will be provided.

H8282 DIGITAL PHOTOGRAPHY II

1 Credit Grades 10-12

Prerequisite: *H8281 Digital Photography I*

Digital Photography II is the follow-up course to Digital Photography I. Students will build on skills learned in level one, while advancing their learning beyond the fundamentals of basic photography. Students will be taught how to use a Digital Single Lens Reflex (DSLR) camera, focusing on advanced camera operations. Students will also be given an opportunity to study concepts previously learned more in-depth along with advanced lighting and editing techniques. Presentation and finishing pictures will be stressed throughout the course. Students will explore career opportunities within the field of photography. Each student will be required to develop a portfolio that will showcase the knowledge

and skills gained in this course. Students may bring in their own DSLR camera to use for the course or use one that will be provided.

H8683 INTRODUCTION TO VIDEO GAME DESIGN

1 Credit Grades 10-12

Take what you know about playing video games to the next level and create your own. Introduction to Video Game Design is a course that introduces students to the many aspects of the gaming industry. Students will learn how to design and create basic video games. A background in design will be helpful as students learn how to incorporate multiple applications toward a common outcome. The curriculum uses concepts of science, technology, engineering, and math as a foundation. Throughout the course, students will apply information learned from various disciplines and strengthen core basics. Students will also have experience learning techniques based in 3D modeling software and apply those concepts to printed models.

World Languages



WORLD LANGUAGE COURSE OFFERINGS

Course Number	Course Title	Recommended Grade	Semester (S) / Year (Y)	Everyday (E) / Alternate Days (A)	Units of Credit/ Year	Years Offered*: Odd or Even	Weighted Course Value
H6513	Chinese I CP	9-12	S	E	1		Value II
H6523	Chinese II – Honors	9-12	S	E	1		Value III
H6533	Chinese III – Honors	10-12	S	E	1		Value III
H6543	Chinese IV – Honors	10-12	S	E	1		Value III
H6113	French I CP	9-12	S	E	1		Value II
H6123	French II CP	9-12	S	E	1		Value II
H6133	French III – Honors	9-12	S	E	1		Value III
H6143	French IV – Honors	10-12	S	E	1		Value III
H6153	*French Language and Culture AP	10-12	S	E	1	EVEN	Value IV
H6163	* French Culture Through Film	10-2	S	E	1.0	ODD	Value III
H6213	German I CP	9-12	S	E	1		Value II
H6223	German II CP	9-12	S	E	1		Value II
H6233	German III – Honors	9-12	S	E	1		Value III
H6243	*German IV – Honors	10-12	S	E	1		Value III
H6253	German Language & Culture AP	10-12	S	E	1	EVEN	Value IV
H6263	*German Culture and History through Film - Honors	10-12	S	E	1	ODD	Value III
H6413	Spanish I CP	9-12	S	E	1		Value II
H6423	Spanish II CP	9-12	S	E	1		Value II
H6433	Spanish III - Honors	9-12	S	E	1		Value III
H6443	Spanish IV - Honors	10-12	S	E	1		Value III
H6501	Cine Hispano	10-12	S	E	1	ODD	Value III
H6504	Spanish 504: Aventuras en la América Latina (Adventures in Latin America) – Honors	10-12	S	E	1	EVEN	Value III
H6453	Spanish Language & Culture AP	10-12	S	E	1	EVEN	Value IV
H6473	*Spanish for Heritage Speakers	9-12	S	E	1	ODD	Value II

*Courses offered in academic years ending with even numbers are noted with “EVEN” (for example: 2023-24); courses offered with academic years ending in odd numbers are noted with “ODD” (for example: 2024-25). A blank space means the course is offered annually.

The Department of World Languages recommends a final average of at least a “C-“ to transition from a Level I to Level II course in all languages. The Department of World Languages requires a final average of at least a “C-“ to transition from a Level II to Level III course (and beyond) in all languages.

WORLD LANGUAGES COURSE SEQUENCES

CHINESE			
Chinese I CP	Chinese II Honors	Chinese III Honors	Chinese IV Honors

FRENCH				
French I CP	French II CP	French III Honors	French IV Honors	French Language & Culture - AP Even Years Only
				French Culture & History through Film - Honors Odd Years Only

GERMAN				
German I CP	German II CP	German III Honors	German IV Honors	German Language & Culture - AP Even Years Only
				German Culture & History through Film - Honors Odd Years Only

SPANISH				
Spanish I CP	Spanish II CP	Spanish III Honors	Spanish IV Honors	Spanish 501: Spanish Film Odd Years Only
				Spanish 504: Adventures in Latin America Honors Even Years Only
				Spanish AP Even Years Only

H6513 CHINESE I CP

1 Credit

Grades 9-12

This is an introductory and foundational course of standard Mandarin Chinese, the official language of China, Taiwan, and Singapore. Students will learn the uniqueness of the language through listening, speaking, reading, and writing. The course will explore Chinese culture, festivals, history, art, and music. At the end of this course, students are expected to achieve novice mid – novice high level proficiency in certain topics.

H6523 CHINESE II – HONORS

1 Credit

Grades 9-12

Prerequisite: Chinese I CP

Chinese II is a continuation of Chinese I in developing the foundational skills of the language and improving the previously learned language skills. Students are expected to become comfortable in using the target language in class. In this course, students will continue to explore Chinese culture and practices in various Asian countries.

H6533 CHINESE III - HONORS

1 Credit

Grades 10-12

Prerequisite: Chinese II CP

Chinese III Honors will continue to develop and build the four areas of language proficiency, with advanced language skills in analysis, interpretation, vocabulary, and structure. They will work on improving their fluency and expressing their ideas verbally and in writing with target language. Chinese history, culture, and society will be explored in more detail.

H6543 CHINESE IV -- HONORS

1 Credit

Grades 10-12

Prerequisite: Chinese III Honors

Chinese IV Honors will continue to expand and build four areas of language proficiency, with advanced language skills in analysis, interpretation, vocabulary and structure. Students in Chinese IV are expected to

use the target language in the study of varied practical topics, using many authentic resources, increasing their fluency and accurately expressing ideas verbally and in writing. At the end of this course, students will attain approximately the Intermediate-low or Mid level on the ACTFL proficiency scale.

H6113 FRENCH I CP

1 Credit

Grades 9-12

As an introductory course, French I CP presents the skills of listening/understanding, speaking, reading, and writing in a natural sequence. Emphasis is placed on vocabulary building and pronunciation with an accompanying explanation of the fundamentals of French grammar. French culture is presented as part of the classroom procedure, drawing from textbook and supplemental materials.

H6123 FRENCH II CP

1 Credit

Grades 9-12

Prerequisite: French I CP

French II CP continues to explore the French-speaking world. Oral proficiency continues to be emphasized and vocabulary is increased. Units cover such areas as travel, focusing on Paris and other Francophone areas, meals, daily routines, and family life.

H6133 FRENCH III - HONORS

1 Credit

Grades 9-12

Prerequisite: French II CP

In this course, students will study advanced French grammar, such as expressing themselves in the past, present, and future tenses in the context of French culture. Cultural topics will include daily life, the French healthcare system, navigating the transportation systems, and discovering traditional French cuisine. Communication, listening, reading, and writing skills will be improved throughout the course. Students will be expected to communicate in French as much as possible. Students will also be “adopting” escargots

which will be incorporated into class projects and activities.

H6143 FRENCH IV - HONORS

1 Credit

Grades 10-12

Prerequisite: French III - Honors

In this course, students will study excerpts of French literature, art movements, and historical events from pre-historic Gaul through the French Revolution. On a monthly basis, students will present international news videos and prepare discussion questions. Students will end the course by reading the classic novel *Le Petit Prince* by Antoine de Saint-Exupéry. Communication, listening, reading, and writing skills will also be improved throughout the course. Students will be required to communicate exclusively in French through class discussions, presentations, and in-class writing assignments.

H6153 FRENCH LANGUAGE AND CULTURE - AP

1 Credit

Grades 10-12

Prerequisite: French IV Honors

French Language and Culture AP emphasizes the use of the language for active communication, including: having a strong command of vocabulary and structure; understanding spoken French in various conversational situations; reading newspaper and magazine articles, contemporary fiction, and nontechnical writing without the use of a dictionary; and fluently and accurately expressing ideas verbally and in writing. In addition to standard textbooks and anthologies, resources may also include audio and visual materials, newspapers, magazines and contemporary literature. Students are expected to communicate exclusively in French.

H6163 CULTURE THROUGH FILM- HONORS

1 Credit

Grades 10-12

Prerequisite: French IV Honors

This course works to use advanced in-context conversational skills to talk about a variety of topics not covered in the French I -French IV Hon. curriculum.

France is the birthplace of cinema and so this course will allow students to study the development and evolution of French cinema from the beginning to the present. Through French and Francophone films we will dive deeper into French historical events, gastronomy, cinematic history, geography, French philosophy, current issues, and way of life. Students are expected to communicate exclusively in French.

H6213 GERMAN I CP

1 Credit

Grades 9-12

As an introductory course, German I CP presents the skills of listening, speaking, reading, and writing comprehension in natural learning order. Vocabulary building and basic grammar study are also emphasized. Cultural topics are introduced and authentic materials are utilized to stress proficiency in all areas.

H6223 GERMAN II CP

1 Credit

Grades 9-12

Prerequisite: German I CP

German II CP focuses on the continued development of verbal proficiency skills, vocabulary growth and cultural understanding. Topics include creating and responding to invitations; discussing health and illnesses; expressing past events; navigating houses and cities; comparing holidays and preferences; interpreting travel plans and designing our own; and reading a German novella. Through the use of many authentic resources, students gain a more in-depth understanding of German language and culture.

H6233 GERMAN III – HONORS

1 Credit

Grades 9-12

Prerequisite: German II CP

German III Honors continues advancing students' language proficiency in modes of speaking, writing, listening, and reading. In addition to language study, this course focuses on familiarizing students with various aspects of German culture (products, practices and perspectives) through research, presentations, and

comparisons, in conjunction with Extr@ video series. Through the Give A Gnome A Home Program, students produce written and spoken works that illustrate their language abilities. They also learn 20th century German history reading the story “Die Lisa”.

H6243 GERMAN IV – HONORS

1 Credit Grades 10-12

Prerequisite: German III-HONORS

German IV Honors takes students to the next level of German learning by focusing on the development of analytical, comparative, and creative language skills. Students will engage in topics that thematically mimic the AP German curriculum including environmental impacts, social relationships, youth culture, and social influences. Alongside contemporary themes, students will read, analyze, and interpret German fairytales. In addition, students will experience the historical time period of Eastern Germany with an in-depth perspective through a novella based on a personal story about life during and after the fall of the Berlin Wall.

H6253 GERMAN LANGUAGE AND CULTURE - AP °

1 Credit Grades 10-12 (Alternate Years)

Prerequisite: *German IV Honors*

German Language and Culture AP emphasizes the use of the language for active communication, including: having a strong command of vocabulary and structure; understanding spoken German in various conversational situations; interpreting news, contemporary fiction, and nontechnical writing without the use of a dictionary; and fluently and accurately expressing ideas verbally and in writing. Using the six AP Themes (Families and Communities, Global Challenges, Contemporary Life, Science and Technology, Beauty and Aesthetics, Personal and Public Identities) students will analyze and compare the culture of the German-speaking world to their own. In addition to standard textbooks and anthologies, resources may also include audio and visual materials, news articles, magazines and contemporary literature.

H6263 GERMAN CULTURE AND HISTORY THROUGH FILM – HONORS °

1 Credit Grades 10-12 (Alternate Years)

Prerequisite: *German IV Honors*

As a main source of media, film serves to not only tell stories, but more importantly to reflect the thoughts, ideas and culture of a time period. German Culture and History Through Film Honors is more than just a survey of some of the most important German films made. Using these films, students will comprehend, discuss and evaluate the cultural and historical relevance and views presented in written and verbal expression. This course will dramatically increase students’ listening and speaking abilities using real-world media. Students are expected to communicate exclusively in German.

****German Language and Culture - AP will be offered for the 2021-2022 school year.***

*****German Culture and History through Film – Honors is being offered for the 2022-2023 school year.***

H6413 SPANISH I CP

1 Credit Grades 9-12

Spanish I CP focuses on beginning grammar lessons, common vocabulary, and an introduction to Spanish-speaking culture. Instruction will be enhanced by materials and other realia. Verbal practice is stressed throughout the course, in addition to the skills of listening, reading, and writing.

H6423 SPANISH II CP

1 Credit Grades 9-12

Prerequisite: *Spanish I*

Spanish II CP stresses practical communication through various verbal activities, vocabulary acquisition and grammar. Instruction will be enhanced by materials, and other realia. There will be an emphasis on verbal and written interactions with continuous practice of listening, speaking, reading, and writing skills.

H6433 SPANISH III – HONORS

1 Credit

Grades 9-12

Prerequisite: Spanish II CP

Spanish III Honors introduces students to many practical topics such as animals, nature, preparing food, talking about childhood, professions, social life, and technology, to name a few. An emphasis on spoken communication in Spanish is stressed. Students will continue to improve their speaking, writing and listening skills as they study more advanced grammatical concepts, using authentic materials. As part of the cultural competencies included in Spanish III, students will have the opportunity to prepare food from a Spanish speaking country, listen to current songs in Spanish, and watch authentic videos.

H6443 SPANISH IV – HONORS

1 Credit

Grades 10-12

Prerequisite: Spanish III Honors

Students will focus on learning how to navigate international travel, dining, finding their way in a city, and seeking medical help. They will also learn important vocabulary dealing with social issues, the environment, and school. Various cultural themes will also be explored such as the Camino de Santiago, art, and music. Communicating exclusively in Spanish is stressed. Students will use authentic articles and videos to improve their reading, writing and listening skills. At the conclusion of this course, students will be more prepared for conversation with native speakers and travel abroad.

H6453 SPANISH LANGUAGE AND CULTURE - AP

1 Credit

Grades 10-12

Prerequisite: Spanish IV Honors

Spanish Language and Culture AP emphasizes the use of the language for active communication, including: having a strong command of vocabulary and structure; understanding spoken Spanish in various conversational situations; reading newspaper and magazine articles, contemporary fiction, and

nontechnical writing without the use of a dictionary; and fluently and accurately expressing ideas verbally and in writing. In addition to standard textbooks and anthologies, resources may also include audio and visual materials, newspapers, magazines and contemporary literature. Students are expected to communicate exclusively in Spanish.

H6501 SPANISH 501: CINE HISPANO (HISPANIC CULTURE THROUGH FILM)

1 Credit

Grades 10-12

Prerequisite: Spanish IV Honors

This course is an in-depth study of social, cultural, and historical aspects of Spanish-speaking countries. High-interest films from Spanish-speaking countries are used to initiate classroom discussion in Spanish about a wide variety of situations and topics. While viewing the films, students will improve their listening skills, and be exposed to how the Spanish language is spoken in different countries. Reading selections including interviews, magazine or newspaper articles, and selections from film scripts or literary pieces will accompany each film in order to further the study and discussion of the social, cultural, and historical issues. In addition to the continued development of the four basic language skills (listening, speaking, reading, writing), analysis, interpretation, and evaluation are also stressed. Students are expected to communicate exclusively in Spanish.

H6504 SPANISH 504: AVENTURAS EN LA AMÉRICA LATINA (ADVENTURES IN LATIN AMERICA) - HONORS

1 Credit

Grades 10-12

Prerequisite: Spanish IV Honors or Spanish for Heritage Speakers*

Students will study the history and places of interest in South and Central America, controversial governments, and Spanish-speaking Caribbean countries. Current events will drive weekly class discussions while studying contemporary culture. Students will also develop an understanding of how Latin American

communities have affected culture in the United States. Highlights will be literary masterpieces of Latin American authors and poets as well as a focus on contemporary musicians. Students will analyze the roles of influential Latin American women, and their continual impact on society. Development of the basic skills - listening, speaking, reading, and writing - is continued with an emphasis on verbal proficiency. Students are expected to communicate exclusively in Spanish.

H6473 SPANISH FOR HERITAGE SPEAKERS

1 Credit

Grades 9-12

Spanish for Heritage Speakers is offered to speakers of Spanish who need to improve their basic language skills, such as reading, writing, spelling, and grammar. Students will expand their vocabulary through reading and writing. Some class time will be devoted to addressing the differences between the English and Spanish languages and some class time will be devoted to cultural issues. The course will be taught exclusively in Spanish and students will be expected to communicate exclusively in Spanish in the class.

Students leaving Spanish for Heritage Speakers must receive a final grade of C- or higher and be recommended by the teacher in order to register for a 500-level course.

H6473 ESPAÑOL PARA HISPANOHABLANTES

1 Credit

Grades 9-12

Español para hispanohablantes es para aquella persona que habla español como primer idioma y necesita mejorar las técnicas básicas del lenguaje como la lectura, la escritura, el deletreo y la gramática. Los estudiantes van a desarrollar su vocabulario a través de la lectura y la escritura. Parte de la clase será dedicada a distinguir las diferencias entre el español y el inglés y parte será dedicada a temas culturales. La clase se enseñará exclusivamente en español y se requiere que los estudiantes se comuniquen exclusivamente en español. ***Al terminar con éxito el curso de Español***

para hispanohablantes con una nota de C- o más alta, los estudiantes tienen la oportunidad de matricularse en cualquier curso de Español de nivel 500.

CHAPTER 4

Additional Curricular Options



Chapter 4 | Section 1

Career & Technology Education



A number of occupationally-oriented courses are available through the Lancaster County Career and Technology Schools located in Mount Joy, Willow Street, and Brownstown. See below for offerings. Detailed descriptions of Career and Technology Center courses can be found by visiting www.lancasterctc.edu.

Students must complete the application process and meet eligibility requirements to apply. All application components are submitted electronically.

Students desiring such educational opportunities should meet with their school counselor for supplemental information and materials. Student applications for CTC are typically due in January to be considered on time. Late applications are accepted. There is no guarantee of admittance to these programs.

Students must have earned a minimum of the following credits to participate in a full day program senior year:

English - 3 credits

- English 9
- English 10
- Any Literary Analysis course

Social Studies - 3 credits

- American History
- World History
- Government and Economics

Math - 3 credits

Science - 3 credits

- General Science
- Biology
- Science Elective

Physical Education - 1.50 credits

- Grade 9
- Grade 10
- Grade 11

Health - 0.50 credit

Arts or Humanities Electives -5 credits

Fundamentals of Family & Consumer Sciences - 0.50 Credit

Personal Finance Literacy – 0.50 credit

Students who attend the Career and Technology center for the full day earn 8 credits upon successful completion of the program.

Full-Day Program Offerings

Brownstown Campus	Mount Joy Campus	Willow Street Campus
<u>Transportation Technology Center</u> Power Sports Technology	<u>Advanced Manufacturing Center</u> Electro-Mechanical Engineering Technology 15.0403 Precision Machining & Computer-Aided Manufacturing 48.0599 Metal Fabrication 48.0506 WeldingTechnology 48.0508	<u>Agriscience Center</u> Animal Production Science & Technology 01.0901 Veterinary Assistant 51.0808
<u>Construction Technologies Center</u> Architectural CAD/Design 15.1303 Cabinetmaking & Wood Technology 48.0703 Electrical Construction Technology 46.0399 Heavy Equipment Operations & Basic Maintenance 49.0202 HV AC/R 47.0201 Painting & Interior Finishes 46.0408 Plumbing 46.0503	<u>Construction Technologies Center</u> Carpentry Technology 46.0201	<u>Health Care Center</u> Patient Care Technician 51.0899 Dental Assistant 51.0601 Medical Assistant 51.0707 Nursing Assistant/Home Health Aide 51.0899
<u>Information Technology Center</u> Computer Systems Technology 15.1202 Interactive Media & Web Design 11.0801	<u>Consumer Services Center</u> Early Childhood Education 19.0708	<u>Transportation Technologies Center</u> Automotive Technology 47.0604 Collision Repair 47.0603 Diesel Equipment Technology 47.0613
<u>Visual Communications Center</u> Commercial Art 50.040 Digital Design/Print Media 10.0399 Photography & Digital Imaging 50.0406	<u>Culinary Arts Center</u> Baking & Pastry Arts 12.0501 Culinary Arts/Chef 12.0508	
	<u>Protective Services Center</u> Protective Services Academy 43.9999	

EARLY ENROLLMENT TO CTC

10th and 11th grade students have the opportunity to participate in CTC programs as early enrollers if they meet the credit and course completion criteria set by Hempfield HS in this course guide. The intent of the early enrollment program as a 10th grader is to get a chance to explore one of the intro programs. Then the following year either explore an additional intro program (students can NOT enroll in the same program the following year) or early enroll into a full-day program with the intent of enrolling into an additional full-day program their senior year.

SEQUENCE OPTIONS

- 10th intro, 11th intro, 12th full day
- 10th intro, 11th full day, 12th full day
- 11th full, 12th full day

If a student returns, at any time, to HHS from being an early enroller, they will be held to the same standard for graduation requirements and will have courses to ‘make-up’ due to being exempt from those courses during the early enrollment program completion time. Those courses could include health, PE, PFL, science and/or math credits and any other courses to meet graduation requirements. Only early enrollers who complete a full day program during their 11th grade year, will have an English and Social Studies course counted, due to traditional full-day senior students having the same two courses afforded to them in earning eight credits for full-day program.

**Senior Half-Day
Program Offerings**

Mount Joy Campus
Half-Day Program for Seniors Advanced Health Careers (PM Session only) 51.0899

**Junior Half-Day
Program Offerings**

Mount Joy Campus
Introduction to Construction Careers 46.0201
Introduction to Culinary Careers 12.0508
Introduction to Health Careers (AM session only) 51.0899
Introduction Manufacturing Careers 48.0508
Introduction to Transportation Careers 47.0604

**Sophomore Half-Day
Program Offerings**

Willow Street Campus
Advanced Manufacturing Center: Welding Technology 48.0508 (3-year program)

Chapter 4 | Section 2

Senior Option

0004 THE SENIOR OPTION (fall)

0005 THE SENIOR OPTION (spring)

The Senior Option is a privilege for twelfth grade students who are in good academic and discipline standing at the high school. Students who select and qualify for this option will be permitted to have an abbreviated school day. Students who select The Senior Option are not required to register for the full eight (8) credits of course work in grade 12. These students may register for between six (6) and seven and one-half (7.5) credits their senior year. Seniors in this program must schedule a minimum of 3 credits each semester.

STUDENT REQUIREMENTS/CRITERIA FOR THE SENIOR OPTION:

- Minimum of 23 credits earned by the end of the junior year.
- Successful completion of a Graduation Pathway.
- Minimum cumulative grade point average (GPA) of 2.0.
- Administrative approval following a review of student discipline and attendance records.

Registering for Senior Option and meeting the above requirements/criteria does not ensure admittance.

Required classes may need to be scheduled during periods 1 and 4 that would prevent a student from scheduling The Senior Option.

Chapter 4 | Section 3

Off Campus & Concurrent College Enrollment Opportunities

Students wishing to participate in these off campus and concurrent college enrollment opportunities should discuss procedures and expectations with their counselors.

DUAL ENROLLMENT

99901 AND 999012 (First Semester)

99902 AND 999022 (Second Semester)

1 Credit

Grades 11-12 only

Selecting Dual Enrollment will allow students to travel to area colleges/technical schools and take courses that will count toward post-secondary goals. Students may select to attend a variety of programs at area colleges and technical schools to get a jump-start on their post-secondary education. Students are responsible for providing reliable transportation, if necessary, and fees associated with the course. Students must be a junior or senior who holds a cumulative GPA of 3.0 or higher. Students may enroll in 1-2 college courses per semester.

Participating Colleges: Harrisburg Area Community College, Elizabethtown College, Lancaster Bible College, Millersville University, Penn State York, Pennsylvania College of Art and Design, PA College of Health Sciences, Thaddeus Stevens College (senior full day program), West Virginia University (online only). Course approval must be sought 3 weeks in advance of HHS's semester start.

Cost: The student, parent or guardian must pay course costs directly to the college. Typical costs are about a 50% reduction of a traditional student tuition and vary by college.

Course options: Colleges provide an approved course list for high school students that varies from semester to semester. Students typically select general education courses at the college, similar in nature to what a college freshman would take during their first year.

Application Procedure: Students are responsible to fill out the application from their post-secondary institution. They must meet the requirements for the institution to which they are applying and must be accepted into the Dual Enrollment program.

Credits: Students earn 1 high school credit for a 3 or 4 credit college course. Students are advised to check with their prospective post-secondary colleges to see if they will accept the credits earned in Dual Enrollment.

Grading: Grading is completely under the discretion of the college. Grades and credits will be reported on the HHS transcript, but the grades will not be included in the students' weighted grade point average beginning with the Class of 2026.

The letter grade provided on the college transcript from the partner college/university is what is reported on the high school transcript. **Not all colleges grade the same way. For example, a student may earn a 99% in the Dual Enrollment class, but the college reports it on the official transcript as an A, not an A+.** There are no exceptions with reporting grades for Dual Enrollment.

Graduation Requirements: Dual Enrollment courses may be substituted for required core courses in 11th and 12th grades as long as the appropriate Hempfield Department Coordinator or principal approves the course. It is highly recommended that students do NOT take courses required for graduation in the second semester of their senior year.

Scheduling: Students select Dual Enrollment as an elective or alternate during course selection at the high school. They will complete the application for the college of their choice. Each college HSD partners with has its own procedures. Please follow those instructions that you can find on Class of Schoology under Materials and/or the college website under dual enrollment. Once you are accepted and enrolled in a

course, complete the dual enrollment contract and return it to your school counselor. The school counselor will try to blend the student's other Hempfield course requests with their college course(s). Students will be scheduled for their Hempfield courses in the morning and then be released from school to attend their college course(s), or they will attend college in the morning and sign into the high school for their afternoon high school courses. **Students must submit their completed Dual Enrollment contract by August 1st (fall semester) and January 2nd (spring semester). Failure to submit the DE Contract will result in a course drop and an alternate course will be added in its place. Contracts are available in the "Class of" Schoology course under "materials" or in the Franklin Counseling office.**

College course schedules are available on line:

- <https://www.pacollege.edu/high-school-dual-enrollment/>
- <https://pcad.edu/dual-enrollment>
- <https://www.millersville.edu/admissions/undergrad/dual-enrollment/>
- <https://www.hacc.edu/Admissions/HighSchoolStudents/DualEnrollment/index.cfm>
- <https://www.etown.edu/admissions/high-school.aspx>
- <https://www.york.psu.edu/admission/apply/dual-enrollment>
- <https://lbc.edu/undergraduate/admissions/jumpstart/>
- <http://stevenscollege.edu/earlyenrollment/>
- <https://www.access.wvu.edu/>

9011 AND 9012 INTERNSHIP PROGRAM

1 Credit

Grades 11-12

This course provides students with the opportunity to participate in on-site observations of business and professional organizations. The program will provide students with the opportunity to interact with, observe, and assist individuals who are employed in a career of their interest. The intent of the internship is to provide activities

that will enable the student to make informed career decisions based on significant knowledge and insights developed during participation. Students are not to be paid for the internship experience. **Students must submit their completed Internship contract by August 1st (fall semester) and January 2nd (spring semester). Failure to submit an internship Contract will result in a course drop and an alternate course will be added in its place. Contracts are available in the "Class of" Schoology course under "materials" or in the Franklin Counseling office.**

9021 & 9022 SCHOOL TO WORK EXPERIENCE

1 Credit

Grades 11-12

The School to Work experience is intended to provide Hempfield High School students with opportunities to develop requisite skills needed for the transition from high school to the world of work. **Students must submit their completed School to Work contract by August 1st (fall semester) and January 2nd (spring semester). Failure to submit the School to Work Contract will result in a course drop and an alternate course will be added in its place. Contracts are available in the "Class of" Schoology course under "materials" or in the Franklin Counseling office.**

A. Eligibility Criteria for Internship & School to Work Experience

- Open to Juniors and Seniors
- Students must have a 2.0 GPA or higher
- Students must have a good disciplinary record
- Students must have positive attendance record

B. Placement

- Students are responsible for securing internship and/or school to work site
- Students request course during course selection process
- Student is not paid for the internship
- Students are paid for school to work

- Student must intern/work a minimum of five hours* each week during the semester
- Contract must be completed prior to the first 5 days of the start of semester

C. Grading

A pass/fail grade will be awarded for the Internship and/or School to Work experience, with one credit noted on the transcript per semester. Course grade will be determined by the following criteria:

- Site Supervisor Evaluation to include hours completed: 100 points

See contract for additional guidelines and responsibilities.

COLLEGE IN THE HIGH SCHOOL

College in the High School students earn dual enrollment credits from the participating university and their high school for approved courses that may satisfy high school graduation requirements. These courses become part of the college transcript and can be transferred to a number of colleges and universities. College in the High School classes are taught by university-approved Hempfield High School teachers to qualified, capable students.

College in the High School classes are noted throughout the course guide as “CHS” courses in the descriptions. Currently, Hempfield High School collaborates with [University of Pittsburgh](#) and [Harrisburg Area Community College](#) for CHS classes. Please see their websites for information regarding applications, costs, and credits.

CHS classes earn Value IV weight in calculating grade point averages.

When looking to earn college credits, consider this chart to decide what is right for you:

	AP / PLTW / Entrepreneurship II	College in the High School (CHS)	Dual Enrollment
Description	These courses are college-level courses designed to challenge students. They follow the structure required by the sponsoring organizations: <u>AP</u> - College Board <u>PLTW</u> - Rochester Institute of Technology <u>Entrepreneurship II</u> - University of Iowa Bizinnovator	CHS courses are college courses taught by university-approved, Hempfield teachers who have earned master's degrees. The courses must meet the requirements of the university for their curriculum.	Dual enrollment classes are courses taught by the colleges / universities. Students earn credit Hempfield for their classes in addition to earning college credits.
Cost	There is no cost to take the class; there is only a cost if the student chooses to take the related assessments. For AP tests, students pay before the exam. For PLTW and Entrepreneurship, students with qualifying scores can purchase credits.	The cost to enroll is determined by the college but is significantly less expensive than regular college courses.	The cost to enroll is determined by the college but is typically less expensive than regular college courses.
College Credits Earned	Students must take a test at the end of the course and earn a specific score in order to earn the credits.	Students who pass the classes earn Hempfield and college credits. These credits go on university transcripts from the awarding university and can be transferred to many other colleges.	Students who pass the classes earn Hempfield and college credits. These credits go on university transcripts from the awarding university and can be transferred to many other colleges.
Grading	HHS teachers follow the expectations of the sponsoring organization. The courses count in Hempfield WGPA as value IV.	HHS teachers follow the requirements of the universities through which students earn credits. The courses count in Hempfield WGPA as value IV. Please note that these courses are reported on college transcripts, and if a student goes to that university, the grades are part of their GPA at the college.	College professors grade these courses and HHS has no influence over the grades. HSD does NOT have access to the students' grades during the term and only receives the final grade after the course is complete. The grades are reported on the Hempfield transcripts but do NOT count toward WGPA beginning with the class of 2026.

Students should always check with universities they are interested in attending to see what credits they will accept in helping to make their decision about the best way to earn credits.

Chapter 4 | Section 4

Online Learning

Hempfield School District is committed to providing students with a variety of learning options. Participating in an online course prepares students for eventual online learning opportunities in higher education and the workplace, allows students scheduling flexibility, and offers courses that may not be available in person at Hempfield High School.

The following attributes will greatly contribute to student success in online learning:

- **Self-Motivation** - Students can direct their own learning environment, fulfill course requirements, and achieve individual academic success.
- **Independent Learner** - The online environment enables students to learn at their own pace -- traditional, extended, or accelerated -- relieving the stress of feeling rushed or pressured and providing enjoyment in the learning process.
- **Computer Literate** - Although it is not necessary to have advanced computer skills, students should possess a working knowledge of email, the Internet, basic keyboarding skills, and Microsoft Office suite.
- **Time Management** - Students must be able to organize and plan their own best "time to learn." There is no one best time for everyone, but the key to learning is to commit the time to learn.
- **Effective Written Communication Skills** - Students must use email to communicate with their peers as well as the instructors. The ability to write clearly in order to communicate ideas and assignments is very important to student success as well as a means to inform instructors of any concerns or problems.
- **Personal Commitment** - Since there are no bells that begin and end classes, students must have a strong desire to learn and achieve knowledge and skills via online courses. Making a commitment to learn in this manner is a very personal decision and requires a strong commitment to participate in order to achieve academic success.

Students scheduled for online courses during semester 1 will receive enrollment directions via Schoology before the start of the school year. Students scheduled for online learning courses during the second semester will receive enrollment directions in January , shortly before the start of semester 2.

Course Number	Course Title	Recommended Grade	Quarter (Q) /Semester (S)	Units of Credit/Year
OL0011	Fundamentals of Design	9-12	S	0.5
OL8681	Introduction to Video Game Design	9-12	S	0.5
OL6471	Vocabulary for Medical Careers	9-12	S	0.5

ELECTIVE ONLINE COURSE OFFERINGS

AVAILABLE COURSES: 2022-2023

OL0011 FUNDAMENTALS OF DESIGN

0.5 Credit

Grades 9-12

This online course will give students a strong foundation in two-dimensional design and composition. Using basic tools and processes, students create and compose works based on short instructional videos and online explorations to develop their understanding of the design process. Critical analysis and interpretation of art through short readings and written explanations will cultivate students' knowledge and push them to embrace relevant vocabulary and descriptions of their personal hands-on art making processes. Students taking this course are required to have/purchase art supplies including (but not limited to) pencils, drawing paper, watercolor paper, brushes, and acrylic paints.

OL8681 INTRODUCTION TO VIDEO GAME DESIGN

0.5 Credit

Grades 9-12

This online course provides students the opportunity to take their experience with, and interest in, playing video games to the next level—development of a video game. Video Game Design is an introductory project-based course that allows students to explore the psychology behind what attracts individuals to certain video games, simple video game design and development, and the business and marketing aspects of video game promotion. Students will create a game using simple software, develop a marketing plan to promote the game, and field test games developed by classmates. Students will utilize multiple skills and knowledge sets to develop a product for an authentic business scenario. The curriculum framework incorporates science, technology, engineering, and math (STEM), along with aspects of psychology, business, and writing. This is truly an inter-disciplinary course.

OL6471 VOCABULARY FOR MEDICAL CAREERS

0.5 Credit

Grades 9-12

This online course introduces students to the structure of medical terms, their etymology, and their connection to the Latin language. This includes: prefixes, suffixes, word roots, combining form, singular and plural forms, plus medical abbreviations and acronyms. Students achieve comprehension of medical vocabulary related to medical procedures, prescriptions terms and abbreviations, human anatomy and physiology, and pathology. The knowledge and skills gained in this course will provide students thinking of entering the healthcare field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, individual practice, objective end-of-unit assessments, and two project-based authentic applications of knowledge.