

# BALDWIN HIGH SCHOOL COURSE CATALOG

2021-2022 ACADEMIC YEAR



**BALDWIN-WHITEHALL**  
**SCHOOL DISTRICT**



## **Principal**

Mr. Shaun Tomaszewski

## **Assistant Principals**

Ms. Alicia Johnson, Ms. Candee Morris, Mr. Jon Peebles, Mr. Scott Ross, Mr. John Saras

*Edited 1-2021, Board Reviewed 2-2021*

Baldwin Learners,

Welcome to the 2021-2022 Course Catalog! In the course catalog, you will find various learning opportunities to support your current and future interests. It is designed with course descriptions based on content areas and you are encouraged to discuss your options with your family members, mentors, teachers, and school counselors. Remember, you should be choosing courses based on YOUR interests and learning path, not the path of friends. Friendships can change and we want to make sure your future is at the forefront of your decision-making during this process.

Please make sure to discuss the teacher recommendations with your family, teacher, and counselors. Don't limit your success because you think you can not excel in a higher-level course. We believe in you! On the other hand, be honest with yourself about workload and how you will maintain a balance between academics, extracurricular activities, and self-care.

We understand that this process can seem overwhelming, but please know that we are here to answer any questions and to assist in your course selection every step of the way.

Baldwin High School Administrators, Counselors, and Teachers

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## Grades 9-12 Baldwin High School Faculty and Staff

### **ADMINISTRATORS**

Principal: Shaun Tomaszewski  
Assistant Principals:  
Alicia Johnson  
Candee Morris  
Jonathan Peebles  
Scott Ross  
John Saras

### **SCHOOL COUNSELORS**

Caroline Babik (Alexis  
Sheets-Substitute)  
Rachel Johnson  
Bethany Lash  
Judy Leadbitter\*  
Sima Misquitta

### **SOCIAL WORKER**

Reita Melvin

### **NURSE**

Michelle Coury-Brendel

### **SCHOOL PSYCHOLOGIST**

Dan Pasquarelli

### **SCHOOL RESOURCE OFFICER**

Jeff Gillen

### **DIRECTOR OF SAFETY AND SECURITY**

William Coddington

### **CAFETERIA MANAGER**

Judy Bourne

### **SECRETARIAL STAFF**

Beth DePetro  
Colleen Goettmann  
Amy Gregg  
Tara Hutchinson  
Diane Kennard  
Jennifer Holby  
Theresa Maier  
Amy Nolan

### **BUSINESS/COMPUTER**

Shantal Baldensperger  
Michelle Kilburn  
Daniel Thayer

### **ENGLISH and ESL**

Amy Barno  
Cassidy Cooper  
Jason Dolak  
Susan Fagnilli  
Keith Harrison  
Daniel Harrold, PhD  
Rachel Murrman  
Katherine Musselman  
Holly Niemi, PhD  
Krystal Schulte  
Steven Sinning\*  
Ann Watson  
Leah Younkins

### **FINE/PRACTICAL ARTS**

Beth Fochtman  
Cheri Foote  
Michelle Malone  
Virginia Pfatteicher  
Toni Rogerio  
Christopher Ross  
Kris Tranter  
Tina Walsh  
James Wodarek\*

### **LIBRARY MEDIA SPECIALIST**

Brigetta Del Re

### **MATHEMATICS**

Bryan Black  
Richard Fochtman  
Maria Hausman  
Mark Jacobs  
Dale Kreuer  
Donna McCord  
Richard Ralston  
Thomas Simcho  
Donna Vecchio\*  
Julie Willman  
Mary Zegeer

### **HEALTH and PHYS. ED.**

Erin Chelosky  
Chris Crighton\*  
Tim Laughlin  
Jim Wehner

### **SCIENCE**

Michael Bruckner  
Lara Dorman  
Tina Gaser  
Rachele Gentile  
Elizabeth Giles\*  
Sarah Nairn  
Stephanie Neal  
Rachel Neil  
Kent Radomsky  
Stephanie Tarpey  
Jonathan Tietz  
Matthew Urban

### **SOCIAL STUDIES**

Kate Deemer  
Richard Deemer  
David Dunaway  
Karl Geisler  
Doug Graff  
Natalie Grattan  
Jared Lambie  
Christopher Reilsono  
Brad Schulte  
Katie Temme\*  
Thomas Trapp

### **SPECIAL EDUCATION**

Cassandra Bartus\*  
Jared Hoffman  
Eric Jankoski  
Colleen Kostelnik  
Allison Levy-Drake  
Maryann Schrader  
Joshua Stahl  
William Witte

### **WORLD LANGUAGE**

Elizabeth Allemang  
Heather Clementoni  
Katie DeFazio  
Will Dodds  
Scott Hindman  
Rebecca Michalski\*  
Kathryn Streets

*\*Denotes Department  
Chairperson*

# Grades 7&8 Baldwin High School Faculty and Staff

## **ART**

Nicole Flannery  
Toni Rogiero

## **BCIT**

Brandi Short  
Pete Wagner

## **ELA**

Sarah Bowman  
Kimberly Dillon  
Sarah Faccenda  
Heather Himes  
Errin Laughlin \*  
Jessica Mertz  
Dan Shaner

## **HEALTH/PE**

Bryan Gigliotti  
John Kealey  
Dennis Squeglia

## **MATHEMATICS**

Anthony Cherico  
Kaley Donoghue  
Amy Goetzman\*  
Ashleigh Gorman  
Dan Kluczkowski  
Kristal Wilhelm

## **MUSIC**

Kathy Hawk \*  
Lindsay Verno

## **SCIENCE**

Jia Fetterolf  
Kaley Donoghue  
Maria McNally  
Joshua Tay  
Heidi White \*

## **SOCIAL STUDIES**

Anthony Barbano  
Kirsten Bilbie  
Kevin King  
Kelly O'Brien \*  
Jill Weber

## **SUPPORT SERVICES**

Elisabeth Crittenden \*  
Melanie Fisher  
Kris Napierkowski  
Samantha Parks  
Amy Siegel  
Kim Wyse

## **TECH ED**

Jennifer Davis

## **WORLD LANGUAGES**

Heather Bianchi \*  
Lauren Chessman (Yovena  
Pierre-Louis)  
Ashley Leonard  
Amanda Setree

## **SCHOOL COUNSELORS**

TBA	A-L
Judy Leadbitter *	M-Z

*\*Denotes  
Team Leader*

## GENERAL INSTRUCTIONS FOR SCHEDULING

The best approach to determining a student schedule is through a cooperative effort of the student, family, teachers, and school counselors. Wise course selection also requires that students observe the graduation requirements for their graduation class. By carefully selecting their courses, students will make good choices about their futures, both at Baldwin High School and beyond.

Decisions regarding course selections should be based upon academic abilities and post-secondary plans. A variety of resources are available to assist students in career and post-secondary planning: faculty, counselors, post-secondary school representatives, and internet websites. One of the best resources we have available is *Xello*. More information about *Xello* is presented in this guide.

All of our courses and descriptions are organized by department. Please read the descriptions carefully before selecting courses. Teachers have made recommendations and/or approved course selections following individual meetings with students. While it is strongly recommended that students choose their recommended courses, students may override the recommendation; course overrides will be discussed with the counselor and an override form must be completed and signed by the parent/guardian. Recommendations will be shared with students and the parents/guardians.

Students will be scheduling using Arena Scheduling in Skyward. Arena Scheduling allows students to choose their classes and make their own schedules. Instructions will be emailed to students, sent via Skylert, and posted on both the School Counseling Canvas Page and the School Counseling website.

While we make every effort to provide for students' interests in a particular content area, we acknowledge that there can be no guarantee that students will be able to schedule every elective they would like. We remain committed to helping students as much as possible while providing students with opportunities to match their interests with their requirements.

***NOTE: Schedules made in Arena Scheduling will potentially change as school counselors work to schedule all students and balance classes.***

## GRADUATION REQUIREMENTS

### ***Essential Credits for Graduation***

English	4.0
Social Studies	3.5
Science	3.0
Mathematics	3.0
Physical Education	1.0
Health	0.5
Arts and/or Humanities	3.0
Technology/Media Applications OR Introduction to Computer Science	0.5
STEM courses: (Science, Technology, and Math)	1.0
Electives	4.5
<b>Total Credits</b>	<b>24.0</b>
<b>*Other Requirements:</b> <ul style="list-style-type: none"><li>● PA State CEW Requirements</li><li>● Graduation Project and Exit Interview</li><li>● Keystone Exam Proficiency in English, Algebra, and Biology</li></ul>	

### ***PA State CEW Requirements for Graduation***

The Career Education and Work Standards, Chapter 4 of Title 22, are part of the State Board of Education's regulations of required education for all students in Pennsylvania. The Career Education and Work Standards address four areas of Knowledge:

- Career Awareness and Preparation
- Career Acquisition (Getting a Job)
- Career Retention and Advancement
- Entrepreneurship

By the end of grade 11, students should have a career portfolio containing both the K-5 and 6- 8 grade band evidence, and an additional eight pieces of evidence, or at least two pieces of evidence each year, collected in the 9-11 grade band. All artifacts should validate the four strands of the CEW standards. At least two of these pieces of evidence for the 9-11 grade band must demonstrate implementation of the student's individualized career plan.

### ***Keystone Exam Proficiency for Graduation***

Due to COVID, Keystone exam proficiency is not required for the Class of 2022. It will be required for the Class of 2023 and beyond. Students will be required to demonstrate proficiency on end-of-course assessments in a variety of content areas, including Algebra, Biology, and Literature.

### ***Graduation Project for Graduation***

The Graduation Project will be integrated into the Society and Careers, AP Government, CHS European History, and AP Economics curricula. Students will be required to complete an exit interview near the end of the school year.

## Grading Scale

Baldwin High School		Steel Center for Career and Technical Education	
<b>A</b>	90% - 100%	<b>A</b>	93% - 100%
<b>B</b>	80% - 89%	<b>B</b>	85% - 92%
<b>C</b>	70% - 79%	<b>C</b>	77% - 84%
<b>D</b>	60% - 69%	<b>D</b>	70% - 76%
<b>F</b>	0% - 59%	<b>F</b>	0% - 70%
<b>I</b>	This will become an F if not made up within two weeks.		

## Grade Point Average

Class rank is based upon the compilation of all course grades earned from Grades 9-12. For transfer students, the evaluation received at the former school, as well as grades earned at Baldwin High School, are considered. GPA is calculated by the four quarter grades for each course, not the final averaged grade.

Grade	Non-Weighted	Honors Weighted	AP/CHS Weighted
<b>A</b>	<b>4</b>	<b>4.5</b>	<b>5</b>
<b>B</b>	<b>3</b>	<b>3.5</b>	<b>4</b>
<b>C</b>	<b>2</b>	<b>2.5</b>	<b>3</b>
<b>D</b>	<b>1</b>	<b>1.0</b>	<b>1</b>
<b>F</b>	<b>0</b>	<b>0.0</b>	<b>0</b>

## Class Standing

To advance each year, students must earn a minimum number of credits. To be considered a sophomore (Grade 10), a total of 4.0 credits must be earned. To be considered a junior (Grade 11), a student needs a total of 11.0 credits. To be considered a senior (Grade 12), 17.00 credits must be earned.

## Credit Deficiencies

A credit deficiency, which occurs when a course is failed, may be resolved by repeating the course the following year or by attending an approved summer school or online credit recovery program. It is the responsibility of the student to reschedule and cover any costs associated with credit deficiencies. Remediation course information is available through the School Counseling Department.

Senior students who fail a required course or who lack sufficient credits for graduation may attend an accredited summer school program, enroll in a program to earn a diploma, take the GED (General Educational Development) test, or return to Baldwin High School as a full time student the following semester. Seniors who fail a course needed for graduation are required to complete any credit remediation by October of the year in which they graduate. These students will meet with their school counselor to discuss their options. The Commonwealth Secondary School Diploma (CSSD) may be achieved by passing the GED test, certifying that the holder has achieved an acceptable educational level.

*Students who wish to eliminate deficiencies by taking a credit recovery course must have approval from their counselor in advance in order to be awarded credit.*

## **Schedule Changes**

Beginning in January, students are given the opportunity to carefully consider course selections for the 2021-2022 academic year. Teachers are a critical part of this process through recommendations and advising on appropriately challenging course placements for each student. Additionally, our school counselors will meet with students in both group and individual settings to discuss and review the course selection process, arena scheduling, and student course choices as they relate to graduation requirements and individual career interests and exploration.

The Master Schedule is created based on faculty availability, and students must realize that not all course requests will be possible. Though every effort will be made to ensure accuracy in responding to each student's requests, we recognize that errors occur and that students might be scheduled into classes that they do not wish to take. To that end, please refer to the schedule change procedures that follow.

**The add/drop period extends for two weeks (or ten school days) following the commencement of the academic year for year-long courses and for the same period following the commencement of the spring semester for spring semester courses.** During this time, students can add or drop classes without evidence of them appearing on a student's transcript. Following the add/drop period, a student must withdraw from a course. The choice to withdraw from a course will appear on a student's transcript and will include any quarterly grades earned in the course. The withdrawal will also indicate a pass or fail, depending on the current grade in the course.

***Students who have schedule change requests should email their counselors prior to leaving for summer break.***

**No schedule changes will occur after students leave for summer break, except for:**

- Course failures that have not been calculated by teachers
- Summer School course completion (credit recovery or enrichment)
- New student enrollment
- Other administrative considerations regarding the Master Schedule (e.g. balancing class sizes, extenuating circumstances, etc.)

Once the 2021-2022 school year begins, there will be a two-week add/drop period for students who wish to request a class change. After the first two weeks have passed, students who wish to withdraw from a class must first discuss the decision with their counselor, their grade-level principal, and the High School Principal.

# BALDWIN HIGH SCHOOL COUNSELING DEPARTMENT

**Website:** <https://www.bwschools.net/baldwin-high-school/services/guidance-services>

Provides information on available resources and services delivered by our School Counselors. This website is a valuable resource which allows the BHS Counseling Department to continuously communicate with Baldwin students, families, and the community. Some features of the website include:

- ❖ Counselor's contact information
- ❖ Important documents
- ❖ Information on standardized testing (PSAT, SAT, ACT, AP, Keystones)
- ❖ Graduation requirements
- ❖ Grade 12 Information - applications, transcripts, post-secondary school representatives
- ❖ Grades 9-12 Presentations
- ❖ Financial Aid
- ❖ Work Permits
- ❖ Tech Help Link

**Counselors' Canvas Pages:** Features information on events happening at Baldwin High School and resources available at the Counseling Office, college and career fairs, scholarship information, open house events at colleges and universities, community events, and job announcements.

Counselor Name	Grade Level	Student Alignment	412-885-7500 + Extension Number	Email Address
<b>Caroline Babik/ Alexis Sheets (sub)</b>	9-12	A, D-H	x8071	cbabik@bwschools.net asheets@bwschools.net
<b>Bethany Lash</b>	9-12	B, C, T-Z	x8077	blash@bwschools.net
<b>Sima Misquitta</b>	9-12	I-N	x8072	smisquitta@bwschools.net
<b>Rachel Johnson</b>	9-12	O-S	x8076	rjohnson@bwschools.net
<b>TBA</b>	7-8	A-L	x8078	@bwschools.net
<b>Judy Leadbitter, Department Chair</b>	7-8	M-Z	x8075	jleadbitter@bwschools.net
Counseling Department Secretaries				
<b>Colleen Goettman</b>	7-12	A-K	x8061	cgoettman@bwschools.net
<b>Theresa Maier</b>	7-12	L-Z	x8062	tmaier@bwschools.net



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# XELLO

## What is Xello?

Xello (previously known as Career Cruising) is the Computerized Career Planning Program that Baldwin-Whitehall School District uses to help students explore careers, set career goals, and plan coursework at the high school. Career clusters provide students information about their interests, experiences, and abilities, as well as related information about occupations, education and training programs, and financial aid.

Please view this video to see a glimpse of what Xello offers:

<https://www.youtube.com/watch?v=nCkoUMCXNjl&authuser=0>

Please view this video to understand your Xello Module:

[https://www.youtube.com/watch?v=Il\\_5GsuubYs&authuser=0](https://www.youtube.com/watch?v=Il_5GsuubYs&authuser=0)

## How to use Xello

Students should go to their Canvas Dashboards and locate the Xello Module. Students log into Xello with their Skyward login and password. The students will have guided lessons within their Social Studies courses throughout high school.

## XELLO LESSONS:

<b>Grade 7</b> Learning Styles Discover Learning Pathways Biases and Career Choices Jobs and Employers	<b>Grade 8</b> Explore Career Matches Skills Transition to High School Self-Advocacy
<b>Grade 9</b> Personality Styles Exploring Career Factors Getting Experience Study Skills and Habits	<b>Grade 10</b> Work Values Careers and Lifestyle Costs Workplace Skills and Attitudes Program Prospects
<b>Grade 11</b> Choosing a College Career Demand Entrepreneurial Skills Work/Life Balance	<b>Grade 12</b> Career Backup Plans Job Interviews Defining Success Career Path Choices

## EARNING COLLEGE CREDIT WHILE IN HIGH SCHOOL

There are several ways for students to earn college credit while in high school:

### **BNY MELLON/CCAC BUSINESS PROGRAM OPPORTUNITY FOR 2021-2022 SCHOOL YEAR**

Students in Grades 9-12 are welcome to take CCAC college credit courses that can lead to a job at BNY Mellon right out of high school. These jobs would be in Business Management, Accounting, or Computer Science/Information Technology. This is a unique opportunity for our students to take these courses during the school year for free. Courses will be taught virtually by CCAC adjunct faculty and will count for CCAC college credits only. These classes will not earn Baldwin credits. 9th and 10th graders who start courses can earn their certificate by graduation. 11th and 12th graders who start courses may complete the program at CCAC for free after graduation. Please see your counselor if you are interested in this dual-enrollment opportunity.

### **ADVANCED PLACEMENT (AP) COURSES**

Advanced Placement (AP) courses are college level courses that follow the College Board's AP syllabi and prepare students for the AP Examinations given in May of each year. AP courses are instructed at an intense pace and are considered the most rigorous courses offered at BHS. Students are expected to use a significant amount of time outside of class to complete course work. AP courses can have extensive summer assignments. Learn more about AP Courses at this website: <https://parents.collegeboard.org/college-board-programs/advanced-placement-program>

- English Language and Composition
- English Literature and Composition
- World History - Modern
- United States History
- United States Government and Politics
- Macroeconomics and Microeconomics
- Calculus AB
- Calculus BC
- Statistics
- Biology
- Chemistry
- Physics 1
- Physics C: Mechanics
- Computer Science Principles
- Spanish
- French
- German

Each exam costs \$95 (2021 price) and registration is done through the high school Counseling Department. Fee waivers are available for students who qualify for Free/Reduced lunch or are experiencing financial hardship.

Nearly all colleges and universities in the United States grant credit and placement for qualifying AP scores. Use this tool to find AP credit policies for every college  
<https://apstudents.collegeboard.org/getting-credit-placement/search-policies>

## COLLEGE IN HIGH SCHOOL (CHS) COURSES

The College in High School (CHS) program offers qualified high school students the opportunity to earn college credits during their regular school day. Students must pay for credits at the beginning of the school year and request an official transcript from the college or university. These credits may transfer to the college which the student attends after graduation. Whether full course reciprocity is offered, though, is a decision made by individual schools, departments, and advisors. Students should be academically ready for the challenge of a college level course. Exams may be written and monitored by the respective departments at the college or university. It is the responsibility of the student to check with the college/university in which they will be enrolling to determine if College in High School credit is accepted. **Students are responsible, in full, for all tuition and/or other costs associated with enrollment in the courses if they want to earn college credits.**

BHS COURSE	COLLEGE/UNIVERSITY COURSE NAME AND NUMBER	COST FOR CREDITS (2020-2021)
356 CHS Statistics 1 credit	University of Pittsburgh - 4 credits 0200 Basic Applied Statistics	\$300
722 CHS Graphic Design	LaRoche University GCDN1025 Fundamentals of Electronic Publishing	\$215
723 CHS Graphic Design II 0.5 credit	LaRoche University - 3 credits GCDN2008 Digital Publishing	\$215
715 CHS Digital Photography 0.5 credit	LaRoche University - 3 credits GCDN2016 Digital Photography	\$215
714 CHS Digital Illustration 0.5 credit	LaRoche University - 3 credits GCDN2005 Digital Fine Arts	\$215
823 CHS Video Production II 0.5 credit	Point Park University	TBD
123 CHS Literature and Philosophy 1 credit	Mt. Aloysius College - 3 credits PL 101 Introduction to Philosophy	\$165
241 CHS European History 1 credit	Mt. Aloysius College - 3 credits HS 102 World Civilizations Since 1500	\$165
213 Careers & Society: College Focus 0.5 credit	University of Pittsburgh - 1 credit ARTSC 0112 Right Start to College 2	\$75
518 CHS Latin IV 1 credit	University of Pittsburgh Latin 0220 Intermediate Latin Verse	\$225

## **DUAL ENROLLMENT**

Baldwin High School partners with several local colleges to allow students to take courses which may be of interest to them that are not offered at the high school. In the past, we have partnered with schools such as Community College of Allegheny County, University of Pittsburgh, Duquesne University, and others. Dual enrollment courses do not count toward graduation credits and are not included in the GPA. A notation of the course, college, and grade earned is made in the Activities section of the high school transcript. When seniors apply to college, a copy of their dual enrollment college transcript may be sent with the high school transcript upon request. The following conditions apply:

- must have School District approval
- must have parent/guardian permission
- placement test may be required by the college
- students and families are responsible for all expenses, including tuition, fees, books, and transcript
- students and families are responsible for transportation to and from the college
- interested students should meet with their school counselor for more information

## ENGLISH

<b>Grade 9</b>	English 9	Honors English 9		
<b>Grade 10</b>	English 10	Honors English 10		
<b>Grade 11</b>	English 11	AP English Language & Composition		
<b>Grade 12</b>	English 12 <i>Challenging the Canon</i>	AP English Literature & Composition	CHS Literature & Philosophy	Semester Courses: -Philosophy & Humanities -Common Themes in British Sports Literature -Horror and Suspense -Divergent Literature -Science Fiction/Fantasy

### ENGLISH ELECTIVES

**Semester**

Creative Writing  
 Public Speaking  
 Introduction to Journalism  
 Newspaper  
 Theatre

**Full Year or Semester**

Newspaper

**ENGLISH 9****Credit/Term: 1.0/year****Course Number: 102****Grade Level: 9****Prerequisite: None**

**Description:** In this course, students will analyze and apply literary elements in short stories, epics, novels, poetry, and nonfiction selections through reading, writing, oral presentation, and basic research. The development of composition skills is integrated with the study of literature and focuses on the various types of paragraphs. Students follow the steps of the writing process as they write both single and multi- paragraph essays. Students will be expected to work on more than one project at a time as well as read some literary selections independently.

**HONORS ENGLISH 9****Credit/Term: 1.0/year****Course Number: 103****Grade Level: 9****Prerequisite: None**

**Description:** Students who have a strong command of the basics of literature, composition, and required skills and who work independently at an accelerated pace should choose this challenging course.

Students should be highly skilled in reading, writing, and oral presentation and have a strong interest and desire to perform well. Students read and discuss classical and contemporary short stories, epics, novels, poetry, and nonfiction. Discussion of literature focuses on the purpose and technique of each author and the universal applications of the writer's ideas. In addition, students read several literary selections independently. Development of composition skills is integrated with the study of literature and focuses on extensive practice of the various types of writings. Students write both single and multi-paragraph essays. In addition to literature and composition development, skills in research, speaking, and listening are also developed and reinforced. Students will be expected to work on more than one assignment at a time.

**ENGLISH 10****Credit/Term: 1.0/year****Course Number: 107****Grade Level: 10****Prerequisite: English 9**

**Description:** This course is designed to provide a focused study of reading, writing, speaking, and listening. The English 10 course incorporates a study of fiction through analysis of short stories, novels, dramas, and poems. The study of nonfiction utilizes a variety of reading strategies and examines documents, essays, and memoirs. Units of study will involve a close investigation of elements of literature, and elements of composition through the development of multi-paragraph essays and application of the steps of the writing process. Essential research skills and techniques will culminate in the delivery of an oral presentation.

**HONORS ENGLISH 10****Credit/Term:****Course Number: 108****1.0/year****Prerequisite: Honors English 9 or Teacher****Grade Level: 10***Summer work is required*

**Description:** College-bound students who have mastered the basics in literature, composition, and required skills and who work independently at an accelerated pace should select this course. Interpretation and criticism of short stories, novels, dramas, poetry, and nonfiction are emphasized in both discussions and activities. In addition, students read numerous literary selections independently.

Students compose single and multi-paragraph essays integrated with the study of literature while using the writing process. A formal research project is also required as well as formal speech presentations. Students will be expected to work on more than one assignment at a

time. This course is designed to prepare students for the 11<sup>th</sup> and 12<sup>th</sup> Grade AP English Courses.

**ENGLISH 11**  
**Course Number: 111**  
**Prerequisite: English 10**

**Credit/Term: 1.0/year**  
**Grade Level: 11**

**Description:** This American literature-based course provides students with experience in critical analysis of selections from stories, novels, dramas, poetry, and nonfiction. This course is designed to provide a focused study of reading, writing, speaking, and listening. Units of study involve a close investigation of literary elements, English usage, and thematic connections. Students apply the steps of the writing process to develop multi-paragraph essays, narratives, and creative writing assignments integrated with the study of literature.

**AP ENGLISH LANGUAGE AND COMPOSITION**  
**Course Number: 114**  
**Prerequisite: Honors English 10 or Teacher**  
***Summer work is required***  
**AP Exam: Optional exam at the end of the course.**

**Credit/Term: 1.0/year**  
**Grade Level: 11**

**Description:** The AP English Language and Composition course allows students to become skilled readers of complex prose and to become sophisticated writers who can compose for a variety of purposes. The design of this course applies to the student who appreciates an intellectual challenge, demonstrates independent initiative, and shows a mastery in multi-tasking. A wide breadth of literature from numerous historical periods, disciplines, and rhetorical contexts is studied, not only for the purpose of exploring content, but also for the purpose of exploring a writer's purpose, audience expectations, and use of stylistic and rhetorical devices. Based on these examples, students will write in expository, analytical, and argumentative styles. Utilizing the writing process, students will be required to complete several drafts and proceed through stages of rigorous revision aided by peers and the instructor. In preparation for this course, students will be required to complete summer reading assignments.

**GRADE 12 ENGLISH OPTIONS:** Students may take two semester courses or one full year course in order to satisfy the Grade 12 English credit requirement. Electives do not count toward the Grade 12 requirement.

**PHILOSOPHY AND HUMANITIES**  
Course Number: 170  
Prerequisite: English 11

Credit/Term: .50 sem./Fall  
Grade Level: 12  
Fulfills .5 English Credit

**Description:** How is “right” and “wrong” decided? Can you trust your senses, or are you being deceived? Is there such a thing as free will, or is everything predetermined? Are there any absolutes, or is everything relative? These questions, found in daily dilemmas, political debates, talk shows, and religious debates have been around for centuries. By examining classical philosophers, futuristic stories and novels, as well as contemporary media and current events, students will engage in a semester-long pursuit of possible answers to these questions. With an emphasis on discussion and debate, students will not only respond critically, but challenge themselves to reconsider the “why” behind their own lives. Readings may include the works of Aristotle, Plato, Sartre, and Nietzsche, Kant, current events, short stories, and contemporary film studies, as well as the novels *Brave New World*, and *Do Androids Dream of Electric Sheep*.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**COMMON THEMES IN BRITISH AND SPORTS LITERATURE**  
Course Number: 171  
Prerequisite: English 11

Credit/Term: .50 sem./Fall  
Grade Level: 12  
Fulfills .5 English Credit

**Description:** For over a century, our culture has been infatuated with sports. Whether it is the quest for victory, the attempt to establish a dynasty or the success of the underdog, sports have kept millions of Americans on the edge of their seats. Many of these same ideas are the fundamental themes of British Literature. In this sports literature class, students will explore themes such as the hero, culture and values, issues/controversies and moments of glory by reading a classic British Literature text and comparing it to a modern sports novel, poem or nonfiction piece. Students will discuss British History and compare it to monumental moments in sports history through the study of characters and athletes.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**DIVERGENT LITERATURE**  
Course Number: 174  
Prerequisite: English 11

Credit/Term: .50/sem./Spring  
Grade Level: 12  
Fulfills .5 English Credit

**Description:** In the famous song, “American Kids,” Kenny Chesney states we’re all “A little messed up, but we’re alright.” The lyric suggests we all have different issues that sometimes make us feel like an outsider. This literature course focuses on the troubles that many teenagers deal with on a daily basis, all while trying to fit into societal norms. Issues such as race, gender, relationships and family will all be explored through various pieces of fiction, poetry and nonfiction. The course will combine classical pieces of literature with modern takes on societal issues. Students will combine their own unique experiences with that of the characters and events in the literature selected for this course.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**SCIENCE FICTION AND FANTASY****Course Number: 175****Prerequisite: English 11****Credit/Term: .50/sem./Spring****Grade Level: 12****Fulfills .5 English Credit**

**Description:** What explains our fascination with the future? A quick look at the top grossing films and novels over the past decades reveal that both science-fiction and fantasy continue to draw mass audiences. Some stories imagine a dystopian nightmare, while some simply present old problems in a new century. This course is designed to explore not only the entertainment value in these science-fiction and fantasy works, but the deeper truths they reveal about modern life. With an emphasis on research, media, and current events, this class will explore fantasy and science-fiction in multiple forms. Readings will range in genres from “classic” sci-fi (H.G. Wells’ *Time Machine* and *War of the Worlds*/ Lewis Carroll’s *Alice in Wonderland* and *Through the Looking Glass*) to fantasy options (J.R.R. Tolkien’s *The Lord of the Rings/The Hobbit*, J.K Rowling’s *Harry Potter*, Phillip Pullman’s *Golden Compass*), to Cinematic Sci-Fi (Michael Crichton’s *Jurassic Park* and *Andromeda Strain*, Arthur C. Clarke’s *2001: A Space Odyssey*, and Suzanne Collins’ *Hunger Games*) as well as Ray Bradbury short stories (*The Martian Chronicles*), and Ernest Cline’s *Ready Player One*.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**HORROR AND SUSPENSE****Course Number: TBD****(Pending Board Approval)****Prerequisite: English 11****Credit/Term: .50/sem.****Grade Level: 12****Fulfills .5 English Credit**

**Description:** What are you afraid of? What makes a novel a true page-turner? What keeps your eyes glued to the screen? These questions and more form the basis of **Horror and Suspense**, a course dedicated to exploring all things mysterious, spooky, thrilling, and bizarre. With an emphasis on choice, creativity, and modern media, this course will take a look at how authors and directors continue to scare and deceive us...while keeping us coming back for more. From classics like *Dracula* and *The Strange Case of Dr. Jekyll and Mr. Hyde* to more modern tales like *The Dead Zone* and *I Am Legend*, as well as the mystery novels like *Death On The Nile* and *The ABC Murders*, this course has something for everyone. Readings may include works and short stories from authors such as H.P. Lovecraft, Agatha Christie, Stephen King, Edgar Allen Poe, and Richard Matheson as well as more contemporary film studies.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**ENG 12 CHALLENGING THE CANON**  
**Course Number: TBD**  
**(Pending Board Approval)**  
**Prerequisite: English 11**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Fulfills English Credit**

**Description:** What does it mean for a novel to be considered “canon” and who makes that decision? Are the texts we are reading in the classroom representative of the diverse streams of culture, history, and language that compose today’s increasingly global society? What do these books say about whose voices are valued and whose are not? In recent years, the concept of the literary canon and its use in the classroom has been debated; with modern education leaning more towards voice and choice--and society drastically changing the way we approach diversity and identity--we are left asking ourselves: is the canon still relevant? Throughout this course, students will seek to answer that very question. Students will revisit canon texts from previous BWSD courses, including (but not limited to) *To Kill a Mockingbird*, *Catcher in the Rye*, and *The Great Gatsby*, and discover modern texts from diverse authors that examine the same universal themes. Additionally, students will explore short stories, poetry, and novel selections by multicultural authors and revolutionary women writers. With an emphasis on literary analysis and research, students will respond critically to literary texts, challenge themselves to look beyond their own perspectives, and ultimately complete a research project exploring the relevance of the literary canon.

As with all of the English 12 courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**CHS LITERATURE & PHILOSOPHY**  
**Course Number: 123**  
**Prerequisite: AP English 11 or English 11**  
**with recommendation**  
**Co-Requisite: 241 CHS European History**  
**College Credits: Fee for credits**

**Credit/Term: 1.0 /year**  
**Grade Level: 12**

**Fulfills English Credit**

**Description:** What is justice? What does it mean to act morally? Is the future decided by fate, or free will? These questions are just the beginning of a trip down the rabbit hole of philosophical thinking. By examining modern thinkers, classical philosophers, literary works, as well as contemporary media and current events, students will engage in a year-long pursuit of possible answers to these and many other questions. With an emphasis on discussion, debate, and critical analysis, students will not only respond to existing arguments, but challenge themselves to reconsider the “why” behind their own lives. Further, through a unique block-scheduled pairing with CHS European History, the course will also include flexible learning environments, cross-curricular projects, real world applications, and multi-course concepts. It is English meets Social Studies like you have never seen before. Readings include the works of Aristotle, Plato, Sartre, and Nietzsche, current events, short stories, and contemporary film studies, as well the novels like modern *No Exit*, and *Brave New World*, and classics like *The Stranger*, *The Republic* and *Crime and Punishment*. College credit for this class may be purchased through Mt Aloysius College.

As with all of the English courses, students will study related vocabulary, prepare and present speeches/presentations, explore research topics, and respond orally and in writing to the ideas presented, read, and discussed in this course.

**AP ENGLISH LITERATURE AND COMPOSITION****Credit/Term:****Course Number: 118****1.0/year****Prerequisite: AP English Language or  
Honors English 10 or Teacher Recommendation****Grade Level: 12*****Summer work is required*****AP Exam: Optional exam at the end of the course.**

**Description:** Students who demonstrate advanced skills in reading and interpreting sophisticated pieces of literature and who write on an advanced level should select this course. Advanced Placement English Literature and Composition maintains college-level criteria for the written and verbal analysis of literature. Infusing the Pennsylvania Core Standards for Reading, Writing, Speaking and Listening set forth by the Pennsylvania Department of Education with the elevated requirements of the Advanced Placement Literature and Composition program, this course incorporates a variety of methods for teaching literature and composition skills. British and World literature serve as the basis for class discussions, class lectures, writing assignments and the research paper. Students read a multitude of literary selections independently. Students are required to complete numerous composition assignments including in-class, timed essays and formal papers. Students who select this course are required to complete a summer reading assignment following their junior year. This reading assignment must be completed prior to the start of their senior year.

**ENGLISH ELECTIVES****CREATIVE WRITING****Course Number: 126****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This is an elective class for students who like to write their own short stories or poetry. Students will learn how to write more effective dialogue, how to incorporate observation and informal research to make their writing more believable, and how to incorporate technology in new forms of fiction writing. Students draft and revise in class and then present their work to their peers, who provide positive feedback.

**PUBLIC SPEAKING****Course Number: 127****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This elective provides opportunities and practice for students who wish to develop oral communication with emphasis on activities that will help them in everyday speaking situations. Impromptu speeches, extemporaneous talks, and formal speaking assignments help to improve poise, self-confidence, and voice projection. Specialized forms of public address assignments require selection of a topic, audience consideration, speech composition, and effective physical delivery.

**INTRODUCTION TO JOURNALISM****Course Number: 130****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This is an elective class for students who have experienced success in essay writing in English class and who eventually want to work for the school newspaper, The Purbalite. In this prerequisite course for the Newspaper class, students will learn how to write news, sports and feature stories, as well as editorials and reviews of music and movies. Students will learn the basics of news photography, and how to design news pages on the computer.

**NEWSPAPER: ONE SEMESTER OR FULL YEAR****Course Number: 132(F); Grade Level 10-12 or  
133(S); Grade Level 9-12****Credit/Term: 1.0/year or****Credit/Term: .50/sem.****Prerequisites: Introduction to Journalism**

**Description:** After taking the Introduction to Journalism class, students can take either full-year Newspaper (132) or one-semester Newspaper (133). Students in this class publish the print edition of the student newspaper, The Purbalite, including writing and editing stories, taking photos, designing pages on the computer, and selling ads and copies of each issue. Students also write stories for the newspaper's web page, [www.purbalite.net](http://www.purbalite.net), and maintain the paper's social media sites. Because students continually work on new projects, these electives can be taken more than once and receive credit.

**THEATRE****Course Number: 137****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This course allows students to participate in various activities that improve performance techniques, starting with basic body movement and battling stage fright. Students will develop their skills in the areas of ensemble collaboration, concentration, memorization, characterization, and imagination.

To apply their skills, students will participate in improvisation exercises as well as monologues and group skits. This course gives both new and experienced actors opportunities to enhance interpretation of character and performance skills. Students will perform in front of a small audience on a regular basis, culminating in reflection and evaluation of personal work and the work of others. Students will acquire the necessary stage presence and technique to perform in front of larger audiences as well as work collaboratively with others in all creative endeavors. This elective can be taken more than once for credit.

## SOCIAL STUDIES

<b>Grade 9</b>	US History & Government	Honors US History & Government	
<b>Grade 10</b>	World History	AP World History Modern	
<b>Grade 11</b>	Modern United States History	AP United States History	AP Economics (elective only)
<b>Grade 12</b>	CHS Society & Careers (semester) <i>or</i> Society & Careers Tech/Mil/Empl (semester) <i>or</i> Society & Careers Partner Up with PNC (year)	AP United States Government & Politics	CHS European History AP Economics

### SOCIAL STUDIES SEMESTER ELECTIVES

Psychology  
 Psychology of Personality  
 Introduction to Sociology  
 Leadership

**US HISTORY AND GOVERNMENT**  
**Course Number: 202**  
**Prerequisite: None**

**Credit/Term: 1.0/year**  
**Grade Level: 9**

**Description:** Through the study of post-Civil War America through the beginning of the 20th century, students will evaluate how patterns from the past are present in our world today. By using inquiry-based learning experiences, students will consider conflict and cooperation, as well as continuity and change, through the lenses of social, political, economic, and cultural concerns. The skills and knowledge gained during this course will allow students to understand their position in modern America and help to shape their future role as citizens. Students will develop skills such as note taking, organization, study skills, presenting, reading and writing.

**HONORS US HISTORY AND GOVERNMENT**  
**Course Number: 204**  
**Prerequisite: None**

**Credit/Term: 1.0/year**  
**Grade Level: 9**

**Description:** This course will focus on continuity and change over time while preparing students well for the skills and knowledge important in future Advanced Placement social studies courses. Students will examine conflict and cooperation throughout history through the study of Post-Civil War America through the beginning of the 20th century. The skills and knowledge gained during this course will allow students to understand their positions in modern America and help to shape their future roles as citizens. Students will develop advanced skills such as formulating their own ideas about government and history, advanced written expression, and higher level reading skills. Students should be highly skilled in reading, writing, and speaking. This course serves as preparation for future Advanced Placement social studies courses.

**WORLD HISTORY**  
**Course Number: 205**  
**Prerequisite: US History and Government or Honors US History and Government**

**Credit/Term: 1.0/year**  
**Grade Level: 10**

**Description:** This year-long course requires students to analyze global interconnectedness from 1450 CE to the present. Students will connect patterns of continuity and change, contributions of individuals and groups, conflict and cooperation in social, political, and economic trends. Students will use their knowledge of the past to influence decisions which affect the future and will exhibit historical thinking skills through document analysis, inquiry-based learning, and geographic themes. Global citizenship and digital literacy will be significant topics in this course.

**AP WORLD HISTORY**  
**Course Number: 206**  
**Prerequisite: US History and Government or Honors US History and Government**  
*Summer work may be required*  
**AP Exam: Optional exam at the end of the course.**

**Credit/Term: 1.0/year**  
**Grade Level: 10**

**Description:** AP World History is designed to be the equivalent of a semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in historical periods from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

Students should be strong independent readers, analytical thinkers, and concise writers if considering this course. Only students with accelerated reading comprehension, analysis, and writing abilities and who are motivated and self-directed should take this course. This course has been shown to increase readiness for college.

### **MODERN UNITED STATES HISTORY**

**Credit/Term:**

**1.0/year**

**Course Number: 209**

**Grade Level: 11**

**Prerequisite: World History or AP World History**

**Description:** Through exploration of topics from World War I to the present day, students enrolled in this class will understand America's role in the world and impacts of foreign and domestic policies that influence other world governments. Through an inquiry-based curriculum, students will understand the impacts of changing social, economic, political technological development and ecological considerations on United States and world affairs. Students will consider their own roles in these transformations, and how they can impact the future of our country. Issues of citizenship and acting as active and diligent voters will be considered.

### **AP UNITED STATES HISTORY**

**Credit/Term: 1.0/year**

**Course Number: 211**

**Grade Level: 11**

**Prerequisite: World History or AP World History**

**Summer work may be required**

**AP Exam: Optional exam at the end of the course.**

**Description:** AP U.S. History is designed to be the equivalent of an introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. Students should be strong independent readers, analytical thinkers, and concise writers if considering this course.

### **CHS SOCIETY & CAREERS: COLLEGE FOCUS**

**Credit/Term: .50/sem**

**Course Number: 213**

**Grade Level: 12**

**Prerequisite: Modern United States History or AP United States History**  
**College Credits: Fee for credits**

**Description:** This class is equivalent to ARTSC 0112 Right Start to College 2 course at the University of Pittsburgh. The course is focused on college selection/major/career exploration and planning related aspects of financial literacy. Topics covered include transferable skills, student loans, personal finance, creation of successful college applications and financial aid documents and student loan payments. Other skills highlighted include creation of a personal brand, interviewing strategies, conducting a social media audit, presentation skills, networking strategies, and college readiness. Throughout the semester, the Resume, Cover Letter, Career Research Report, Career Interest Survey, and Budget Project components of the Senior Graduation Project will be addressed. At the completion of the course, students can earn one credit from the University of Pittsburgh by registering and paying the requisite tuition and enrollment fees as required by the University.

**SOCIETY AND CAREERS: MILITARY, TRADES, EMPLOYMENT FOCUS**  
**Course Number: 214**  
**Prerequisite: Modern United States History or AP United States History**

**Credit/Term: .50/sem**  
**Grade Level: 12**

**Description:** This semester course is designed to aid students who are seeking employment, entering the trades or the military upon graduation. The course will focus on soft & transferable skills to the workplace, managing a budget, future earning potential, career certifications, creating career documents including resumes, applying for positions and items needed to enter the trades/military/workplace effectively after high school. Highlighted skills include demonstrating an understanding of individual choices that directly influence occupational goals, manage financial investments from a paycheck, insurance elections, credit, mortgages, interviewing, networking, conduct a social media audit, conflict resolution, contract negotiation and team building. Practice entrance exams for craft employment will be reviewed & given. Throughout the semester, the Resume, Cover Letter, Career Research Report, Aptitude & Career Interest Surveys, and Budget Project components of the Senior Graduation Project will be addressed. This course will provide a foundational understanding for making informed personal decisions leading to adulthood in the very near future.

**SOCIETY AND CAREERS with PARTNER UP PITTSBURGH - COLLEGE & CAREER READINESS**  
**Course Number: 215**  
**Prerequisite: Modern United States History or AP United States History**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** This full year course is designed in conjunction with PartnerUp Pittsburgh for high school seniors who are undecided regarding their career and/or educational path. This course is recommended for students interested in gaining experience, information and skills that will be valuable to them regardless of where they head after graduation are a good fit for this course. The PartnerUp initiative is a career-readiness program that prepares young talent for full time careers in a field of interest (with many opportunities for advancement). Students may begin directly after high school with a Pittsburgh employer who guarantees tuition reimbursement/assistance, payment, and possibly full benefits as the student works. This is beneficial not only to students, but to the employers who are looking to fill employment gaps with

new talent. At the completion of the course, students who have met the requirements, attend Super Match Day to interview, to accept a potential employment offer, and to gain full time professional paid experience as a student. This may result in accelerated career growth with an established Pittsburgh employer as they earn a degree with tuition assistance. Employers include AHN, PNC, People's Natural Gas, Giant Eagle and Comcast among others. Students must apply and be accepted into the program in order to participate. This is an excellent opportunity for students to connect with some of Pittsburgh's top employers while getting your college education paid for. Find more information at:

<https://www.pnc.com/en/about-pnc/topics/pnc-pov/community/partner-up-program.html>

Throughout the course the Resume, Cover Letter, Career Research Report, Aptitude & Career Interest Surveys, and Budget Project components of the Senior Graduation Project will be addressed.

**AP UNITED STATES GOVERNMENT AND POLITICS**

**Course Number: 219**

**Credit/Term: 1.0/year**

**Grade Level: 12**

**Prerequisite: United States History or AP United States History**

***Summer work may be required***

**AP Exam: Optional exam at the end of the course.**

**Description:** AP Government encompasses the intensive study of the majority of political systems in existence today. The course will require primary source readings, regular debates on important governmental issues, and an application of course knowledge for the purpose of analyzing significant political activities in the modern world. Any student who is passionate about politics and government is welcome to attend this class. Throughout the course of the year, the Resume, Cover Letter, Career Research Reports, Career Interest Survey, and Budget Project components of the Senior Graduation Project will be addressed.

**AP ECONOMICS**

**Course Number: 221**

**Credit/Term: 1.0/year**

**Grade Level: 11-12**

**Prerequisite: None**

***Summer work may be required***

**AP Exam: Optional exam at the end of the course.**

**Description:** This course is recommended for students who are considering a career in business, law, politics, marketing finance or economics. Through computer-based tutorials, classroom discussion, and internet and library-based research students connect the day-to-day economic events that shape our local and global environment with economic theory. Microeconomics assists in understanding the nature and function of types of firms and the role the government plays in promoting greater efficiency and equity. Macroeconomics looks at the economic system as a whole, investigating such concepts as economic growth, monetary policy, and national income and price determination. Throughout the course of the year, the Resume, Cover Letter, Career Research Reports, Career Interest Survey, and Budget Project components of the Senior Graduation Project will be addressed with seniors.

**CHS EUROPEAN HISTORY**

**Course Number: 241**

**Credit/Term: 1.0/year**

**Grade Level: 12**

**Prerequisite: AP US History or Modern American History**

**Co-requisite: 123 CHS PHILOSOPHY & LITERATURE**

**College Credits: Fee for credits**

**Description:** What are the true origins of the modern Western world? This course will examine European History from the time of the Renaissance through the end of the Cold War. As an

extension of 10th and 11th grade Advanced Placement history offerings, CHS European History will allow students to take a deeper and more personalized look at historical issues that shape our modern world. Further, through a unique block-scheduled pairing with CHS Literature & Philosophy, the course will allow for a unique investigation into the philosophical underpinnings of historical events and ideas. Additionally, the pairing of these two courses will include flexible learning environments, cross-curricular projects, real-world applications, and multi-course concepts. Social Studies meets English like you have never seen before. Topics of study will include the Renaissance, the Reformation, the Age of Exploration, the rise of Absolutism, the Scientific Revolution, the Enlightenment, the French Revolution, the rise of Conservatism and Nationalism, the Industrial Revolution, the World War, the Cold War, and the rise of Globalism. Primary and secondary sources will be considered, and previously learned historical thinking skills such as causation, periodization, comparison, change over time, contextualization, and argumentation will be further developed. College credit for this class may be purchased through Mt Aloysius College. Throughout the course of the year, the Resume, Cover Letter, Career Research Reports, Career Interest Survey, and Budget Project components of the Senior Graduation Project will be addressed.

## **SOCIAL STUDIES ELECTIVES**

### **PSYCHOLOGY**

**Course Number: 216**

**Prerequisite: None**

**Credit/Term: .50/sem.**

**Grade Level: 10-12**

**Description:** This course is designed as an introduction to the study of human behavior. Students will explore topics that include human growth and development, psychological methods, information processing, memory, and consciousness. Students are expected to be skilled in note taking, reading comprehension, presenting, and writing.

### **PSYCHOLOGY OF PERSONALITY**

**Course Number: 217**

**Prerequisite: None**

**Credit/Term: .50/sem.**

**Grade Level: 10-12**

**Description:** Psychology of Personality provides students with the tools to explore the development of self. Various psychologists' theories of personality development are discussed. Mental and emotional health issues, abnormal personalities, and human interaction are among the areas of study. Students are expected to be skilled in note taking, reading comprehension, presenting, and writing.

### **INTRODUCTION TO SOCIOLOGY**

**Course Number: 218**

**Prerequisite: None**

**Credit/Term: .50/sem.**

**Grade Level: 10-12**

**Description:** Sociology deals with the study of interpersonal relationships within society. Through examination of group interactions, students develop an awareness of conflict within contemporary society and are given an opportunity to voice possible solutions to these conflicts. Topics and material that may be considered controversial in nature include the study of peer, family, educational, criminal, religious, and racial groups.

### **LEADERSHIP**

**Credit/Term: .50/sem.**

**Course Number: 240**

**Grade Level: 10-12**

**Prerequisite: None**

**Description:** Leadership is designed for students to explore what it means to be a leader in their personal lives, schools, and communities while looking to historical examples of leaders as models of behavior and action. Students will examine various historical leaders and analyze their qualities while working to model them in their own experiences. They will also be expected to read, write, and speak effectively as leaders. As a cumulative activity, students will complete a leadership project incorporating historical leadership examples and their own strengths to a real world situation.

## MATHEMATICS

<b>Grade 9</b>	Algebra I	Geometry	Honors Geometry	Honors Algebra II
<b>Grade 10</b>	Geometry	Algebra II	Honors Algebra II	Honors Trigonometry & Pre-Calculus
<b>Grade 11</b>	Algebra II	College Algebra & Trigonometry	Honors Trigonometry & Pre-Calculus	Honors Calculus <i>or</i> AP Calculus AB
<b>Grade 12</b>	College Algebra & Trigonometry	Math Elective	Honors Calculus <i>or</i> AP Calculus AB	AP Calculus AB <i>or</i> AP Calculus BC

### MATHEMATICS ELECTIVES

AP Statistics  
 CHS Statistics  
 Financial Algebra  
 Financial Literacy

**ALGEBRA I**  
**Course Number: 305**

**Credit/Term: 1.0/year**  
**Grade Level: 9**

**Description:** This course develops skills and concepts necessary for students to succeed in subsequent math and science courses and is aligned to Algebra I Keystone Anchors. This course begins with a review of order of operations, evaluating expressions, solving one-step and multi-step equations, and functions. Students will progress to new topics that will include coordinate geometry, systems of linear equations and inequalities, exponents, polynomials, data analysis and probability. Students will explore application problems that focus on developing problem solving skills.

**GEOMETRY**  
**Course Number: 312**  
**Prerequisite: Algebra I**

**Credit/Term: 1.0/year**  
**Grade Level: 9-10**

**Description:** Geometry is designed to interest students in the study and application of geometry to art, nature, industry, and engineering. The usefulness of geometry as an aid to basic reasoning is promoted. Inductive reasoning is used throughout the course to enable the student to arrive at conjectures through investigation.

**HONORS GEOMETRY**  
**Course Number: 313**  
**Prerequisite: Algebra I**  
***Summer work is required***

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-10**

**Description:** Honors Geometry is recommended for students who have successfully completed Algebra I with a 90% average or better. Honors Geometry is a fast paced, high-level course offering a deeper comprehension of geometry concepts. The study of geometry and algebra is merged, and the course provides a valuable experience with real numbers. Inductive reasoning is used throughout the course to enable the students to arrive at conjectures through investigation.

**ALGEBRA II**  
**Course Number: 322**  
**Prerequisite: Algebra I**

**Credit/Term: 1.0/year**  
**Grade Level: 10-11**

**Description:** The concepts studied in Algebra II develop deeper comprehension of algebraic structure. New symbolism, concepts, and topics are introduced to expand student understanding and knowledge and to provide problem-solving techniques for solutions of more complex equations.

**HONORS ALGEBRA II**  
**Course Number: 323**  
**Prerequisite: Algebra I**  
***Summer work is required***

**Credit/Term: 1.0/year**  
**Grade Level: 9-11**

**Description:** Honors Algebra II is recommended for students who have successfully completed Algebra I with a 90% average or better. Honors Algebra II is a fast paced, high-level course where a deeper comprehension of algebraic concepts is provided. Similar to Algebra II, new symbolism, concepts, and topics are introduced to expand student understanding and knowledge and to provide problem-solving techniques for solutions of more complex equations. In addition, enrichment activities challenge students to expand analytical skills. The use of a graphing calculator is required. This course is a college preparatory course for careers related to mathematics and science.

**COLLEGE ALGEBRA AND TRIGONOMETRY**

**Credit/Term: 1.0/year**

**Course Number: 333**  
**Prerequisite: Algebra II**

**Grade Level: 11-12**

**Description:** This course expands upon the concepts learned from Algebra II and emphasizes the analysis of the graph. Logarithmic and exponential functions will also be introduced. Trigonometry topics include trigonometric functions, proof of trigonometric identities, and applications of triangles. Additionally SAT and ACT preparation is focused in the first nine week period. The use of the graphing calculator is required.

**HONORS TRIGONOMETRY AND PRE-CALCULUS**

**Course Number: 334**  
**Prerequisite: H Algebra II or Algebra II**  
*Summer work is required*

**Credit/Term: 1.0/year**  
**Grade Level: 10-11**

**Description:** This honors level course consists of a study of trigonometry and pre-calculus mathematics. Trigonometry topics include trigonometric functions and their inverses, proof of trigonometric identities, trigonometric equations, applications to triangles, and graphing trigonometric functions. Pre-Calculus includes a study of important concepts of calculus with an emphasis on graphical analysis. Students will study domain, range, and extreme of functions along with logarithmic/exponential functions, introduction to limits, and derivatives. Additionally, enrichment activities challenge students to expand analytical skills. Successful completion of this course prepares students for Calculus. The use of a graphing calculator is required.

**HONORS CALCULUS**

**Course Number 340**  
**Prerequisite: College Algebra and Trigonometry**  
*Summer work is required*

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** Calculus develops a high degree of mathematics sophistication in the analysis and understanding of abstract concepts and symbols. Topics covered in this course include functions and graphs, limits, derivatives, trigonometric functions, application of the derivative, integral, applications of the integral, and exponential and logarithmic functions. The use of a graphing calculator is required.

**AP CALCULUS AB**

**Course Number: 341**  
**Prerequisite: Honors Trigonometry and Pre-Calculus**  
*Summer work is required*  
**AP Exam: Optional exam at the end of the course.**

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** Calculus develops a high degree of mathematics sophistication in the analysis and understanding of abstract concepts and symbols. This course consists of an intensive study of limits, differentiation, and integration of algebraic, trigonometric, exponential, and logarithmic functions will comprise the major part of the course. Enrichment activities place greater emphasis on the properties of elementary functions and fundamental theorems. The use of a graphing calculator is required. This course is designed for those students who plan to attend a college or university and major in mathematics, mathematically related science, or engineering.

**AP CALCULUS BC**

**Course Number: 342**  
**Prerequisite: AP Calculus AB**  
*Summer work is required*  
**AP Exam: Optional exam at the end of the course.**

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** This college-level course is designed for those 12<sup>th</sup> grade students who have successfully completed AP Calculus AB and have a very strong mathematical background. Topics include differentiation, integration, series, and polar/parametric equations. The use of a graphing calculator is required. This course is designed for students who plan to attend a college or university and major in a mathematically related field such as Science or Engineering.

## MATH ELECTIVES

<b>CHS/AP STATISTICS</b> <b>Course Number: 351</b> <b>Prerequisite: Algebra II</b> <b><i>Summer work is required</i></b> <b>AP Exam: Optional exam at the end of the course</b> <b>College Credits: Fee for credits</b>	<b>Credit/Term: 1.0/year</b> <b>Grade Level: 11-12</b>
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**Description:** AP Statistics is comparable to introductory statistics courses for Science, Mathematics, and Engineering majors in colleges and universities and meets the University of Pittsburgh's STAT 1000 course credit requirements. The four main topics covered are data production, data analysis, probability and statistical inference.

Ideas such as random sampling, distinguishing between populations and samples, graphical displays, central tendency, standard deviation, binomial and geometric probabilities, confidence intervals, linear regressions, and analysis of variance, support the four main ideas. Students will also be preparing, throughout the course, to take the AP Exam. AP Statistics is strongly recommended for students attending four-year colleges and universities since most college majors require a statistics course. The use of a graphing calculator is required.

<b>CHS STATISTICS</b> <b>Course Number: 356</b> <b>Prerequisite: Algebra II</b> <b><i>Summer work is required</i></b> <b><i>College credits: Fee for credits</i></b>	<b>Credit/Term: 1.0/year</b> <b>Grade Level: 11-12</b>
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**Description:** This course is equivalent to 0200 Basic Applied Statistics course at the University of Pittsburgh. This course teaches methods and terminologies of descriptive and inferential statistics. Students who complete this course will be able to conduct their own analyses of standard one-sample or two-sample data sets, follow statistical reasoning, and read statistical reports with understanding.

Introductory topics in linear regression, analysis of variance, and contingency table analysis also will be covered. At the completion of the course, students can earn four college math credits from the University of Pittsburgh by registering and paying the requisite tuition and enrollment fees as required by the University. CHS Statistics is strongly recommended for students attending a 2 or 4 year post-secondary educational institution since most majors require a statistics course.

<b>FINANCIAL ALGEBRA</b> <b>Course Number: 326</b> <b>Prerequisite: Algebra I</b>	<b>Credit/Term: 1.0/year</b> <b>Grade Level: 12</b>
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**Description:** In this course, students explore algebraic thinking patterns and functions in a financial context. The course is an application-based learning approach incorporating Algebra I, Algebra II,

and Geometry topics. The course also encourages students to be actively involved in applying mathematical ideas to their everyday lives. The course will focus on the stock market, modeling a business, banking, consumer credit, automobile ownership, employment basics, income taxes, independent living, and planning for retirement.

<b>FINANCIAL LITERACY</b> <b>Course Number: 324</b> <b>Prerequisite: Algebra I</b>	<b>Credit/Term: 1.0/year</b> <b>Grade Level: 12</b>
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**Description:** Financial Literacy is a course that gives students a head-start on their future by learning how to manage money and to consider the important financial decisions that young people make that have long-term consequences in the future. This course reinforces skills such as communication, mathematics, reading, research, and writing. Students of all backgrounds gain an understanding and appreciation of ethical money management. Topics studied include saving, budgeting, credit, debt, consumer awareness, financial planning, insurance, taxes, and giving.

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## SCIENCE

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<b>Grade 9</b>	Integrated Science	Biology	Honors Biology
<b>Grade 10</b>	Biology	Chemistry	Honors Chemistry
<b>Grade 11</b>	Applied Chemistry	Physics or Applied Physics	Honors Physics or AP Physics C

### SCIENCE ELECTIVES

Honors Anatomy & Physiology  
Honors Exercise/Sports Physiology  
AP Biology  
Honors Organic Chemistry  
AP Chemistry  
AP Physics 1 - E & W  
Earth & Space Science

**INTEGRATED SCIENCE**  
**Course Number: 400**  
**Prerequisite: None**

**Credit/Germ: 1.0/year**  
**Grade Level: 9**

**Description:** This course is designed for ninth grade students who need to reinforce and build upon the basic science skills necessary for success in subsequent science courses and are not yet ready for Biology. Course topics include creating and analyzing graphs and diagrams, reading comprehension in scientific writing, and essential concepts and skills in the three major sciences. Students enrolled in this course would move on to take Biology and the accompanying keystone exam in their tenth grade year. Teacher recommendation is required to select this course.

**BIOLOGY**

**Course Number: 402**  
**Prerequisite: None**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9**

**Description:** This college and career preparatory biology course offers advanced skills and problem-solving techniques. Verbal skills, experimentation, and note taking are used to develop biological concepts of biochemistry, cell structures, genetics, evolution, and ecology. This course leads to a sequence of general science courses that include Chemistry and Physics.

**HONORS BIOLOGY**  
**Course Number: 403**

**Prerequisite: None; *summer work is required***

**Credit/Term: 1.0/year**  
**Grade Level: 9**

**Description:** A study of biochemistry, cell structure, genetics, evolution, and ecology are explored in this honors-level science class. Critical reading, critical writing, and verbal communication skills are needed to be successful in this course. Students utilize online resources and laboratory sessions to reinforce classroom lectures and discussions. Honors Biology is designed to be an introductory course for college-bound students intending to major in science or a related field and is a prerequisite to AP Biology.

**APPLIED CHEMISTRY**  
**Course Number: 418**  
**Prerequisite: Biology**

**Credit/Term: 1.0/year**  
**Grade Level: 10-11**

**Description:** This course introduces students to basic chemistry concepts through society-oriented topics. Topics include water quality, air quality, energy, resources, consumer goods, and career exploration. This course will focus more on the concepts of chemistry than the mathematical analysis of those concepts. Students will also learn by experiencing concepts first hand through activities. This course is intended for non-science oriented students who may or may not be planning college careers, and is not an appropriate choice for those going on to most physics courses, organic chemistry, or AP chemistry.

**CHEMISTRY**  
**Course Number: 411**  
**Prerequisite: Biology, Algebra I**

**Credit/Term: 1.0/year**  
**Grade Level: 10**

**Description:** Chemistry provides an in-depth study of substances and their properties. The course is highly descriptive with moderate mathematical applications and is appropriate for students who desire a fundamental knowledge of chemical principles. The concepts are presented through classroom discussions, laboratory investigation, and individual or group projects. This course is designed primarily for students who have successfully completed both Biology and Algebra I and are not planning to pursue the sciences or related fields beyond high school.

**HONORS CHEMISTRY**

**Course Number: 412**  
**Prerequisite: Biology or Honors Biology, Algebra I;**  
***Summer work is required***

**Credit/Term:**  
**1.0/year**  
**Grade Level: 10**

**Description:** Honors Chemistry provides an in-depth study of chemistry. Students develop the skills of critical thinking, inquiry, problem solving, and laboratory techniques. It includes the study of atomic structure, physical and chemical properties, quantitative investigation of chemical reactions, thermodynamics, kinetics, and other chemical principles. This course is highly mathematical and is recommended for those students who have aspirations of entering the sciences or related disciplines such as engineering, medicine, nursing, mathematics, and computer science.

**APPLIED PHYSICS**

**Course Number: 420**  
**Prerequisite: Applied Chemistry, Algebra I**

**Credit/Term: 1.0/year**  
**Grade Level: 11**

**Description:** This course is designed to convey an understanding and appreciation for the concepts and principles of physics by highlighting them within our everyday experiences. The course will utilize real-world examples to explain physical concepts. This course is intended for non-science oriented students who may or may not be planning college careers, and is not an appropriate choice for those going on to AP Physics C, Honors Physics, or AP physics 1.

**PHYSICS**

**Course Number: 421**  
**Prerequisite: Chemistry**  
**Co-requisite: Algebra II**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 11-12**

**Description:** In this course, students will examine the topics of mechanics, including motion, forces and energy. Students learn physics through conceptual thinking, mathematical problem solving, and laboratory investigations. This course is appropriate for any college-bound student who has successfully completed the Chemistry 411 course and is currently enrolled in Algebra II or higher but is not planning to pursue the more mathematical sciences or related fields beyond high school.

**HONORS PHYSICS**

**Course Number: 422**  
**Prerequisite: Honors Chemistry and Honors Algebra II**  
**Co-requisite: Honors Trigonometry and Pre-Calculus;**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 11**

### ***Summer work is required***

**Description:** This course is offered for serious, college-bound students preparing themselves to enter the sciences or scientific fields such as engineering, research, or medicine. It is also recommended for those who intend to study law or other professions where problem solving and critical thinking are necessary. It covers the fundamental topics of mechanics through thorough conceptual understanding, as well as, challenging mathematical problem solving, using algebra, geometry, and trigonometry.

#### **AP PHYSICS C: MECHANICS**

**Course Number: 425**

**Prerequisites: Honors Chemistry and Honors Trigonometry and Pre-Calculus**

**Co-Requisite: AP Calculus AB**

***Summer work is required***

**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**

**Grade Level: 11-12**

**Description:** This course is a calculus based college-level physics course that covers the topic of mechanics to a great depth of understanding and mathematical application. It adheres to the required syllabus by The College Board, which includes kinematics, Newtonian mechanics, work, energy, power and rotational mechanics. Therefore, it is equivalent to the first-semester calculus based college physics course required by any engineering or physical science major. Since there is a significant amount of material that needs to be covered by the AP test date in early May, it should only be taken by students who are well prepared in both math and science.

### **SCIENCE ELECTIVES**

#### **HONORS ANATOMY AND PHYSIOLOGY**

**Course Number: 405**

**Prerequisite: Biology or Honors Biology;**

**Recommended: Chemistry**

***Summer work is required***

**Credit/Term: 1.0/year**

**Grade Level: 10-12**

**Description:** Students enrolled in this course will study human anatomy, physiology, histology, and selected systems of the human body. Students will utilize virtual simulations, the internet, and laboratory sessions to reinforce class lectures and discussions. The dissection of a representative vertebrate will be used to compare and contrast the anatomy of the preserved specimens to those of a human. The terminology utilized will be very helpful to those students selecting careers in the medical professions including nursing, medical technology, and other health-related careers

#### **AP BIOLOGY**

**Course Number: 406**

**Prerequisite: Honors Biology & Chemistry;**

**Recommended: Physics**

***Summer work is required***

**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**

**Grade Level: 11-12**

**Description:** This course is the equivalent of a first level college biology sequence taken by biology majors. The AP Biology course closely adheres to the course outline suggested by The College Board. Activities include twelve laboratory exercises and a rigorous reading schedule. An introductory college text is used for the course. It is recommended that the student be self-motivated and goal-oriented.

**AP CHEMISTRY**

**Course Number: 415**

**Prerequisite: Honors Chemistry; Recommended: Physics**

*Summer work is required*

**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**

**Grade Level: 11-12**

**Description:** Students in this course should attain a depth of understanding of the fundamentals of substances and their properties and how they undergo change and develop a reasonable competence in dealing with chemical problems. The course should contribute to the students' ability to think clearly and to express their ideas orally and in writing, with clarity and logic. The AP Chemistry course is designed to be the equivalent of the general chemistry sequence usually taken during the first college year. This course is highly recommended for those students who are planning to pursue any university science major such as biology, chemistry, physics, engineering, aerospace technology, medicine, nursing, or pharmacy. Please visit the AP College Board website to learn more about the course requirements, the AP Chemistry exam, required AP Chemistry laboratories, and level of difficulty.

**HONORS ORGANIC CHEMISTRY**

**Course Number: 416**

**Prerequisite: Chemistry or Honors Chemistry; Recommended: Physics**

**Credit/Term:**

**1.0/year**

**Grade Level: 11-12**

**Description:** Organic chemistry is a discipline within chemistry that involves the scientific study of the structure, properties, composition, reactions, and preparation of chemical compounds consisting of carbon. Students who are considering a career in medicine, engineering, science, genetics, and many other science-based disciplines may be required to study organic chemistry at the university level. Plastics, cosmetics, food preservation, fossil fuels, genetic engineering, and thousands of other benefits today are a result of our understanding of carbon-based substances.

**AP PHYSICS 1**  
**Course Number: 423**  
**Prerequisite: Honors Physics or AP Physics C;**  
***Summer work is required***  
**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** This course is offered for college-bound seniors who have competed an in-depth study of mechanics, by taking Honors Physics or AP Physics C in their junior year, and would now like to further their understanding of the world around them by studying the topics of electricity, magnetism, and waves - including both sound and light. It requires a deep conceptual understanding, as well as thorough skills in mathematical problem solving, algebra, geometry, and trigonometry. It will also include a review of the topic of mechanics, in preparation for the AP Exam.

**EARTH AND SPACE SCIENCE**  
**Course Number: 433**  
**Corequisite: Physics**

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** Earth and Space science is the study of the application of the physical laws that control the earth and the universe. This is an elective course for students who would like to further their understanding of the universe and broaden their science background. This course provides students with an interactive, hands-on, visual tour of the earth and universe. While studying the astronomy unit of the course, students will view distant objects deep within our galaxy with a telescope. Students will study geology through a hands-on approach, ending with a field study of Pennsylvania rocks. Students will also collect and classify fossils. As part of the unit concerning the earth's atmosphere, students will utilize Real-time weather data to develop a three-day forecast.

**HONORS EXERCISE/SPORTS PHYSIOLOGY**  
**Course Number: 404**  
**Prerequisite: Honors Anatomy & Physiology;**  
**Recommended: Physics**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** The exercise science class prepares students through the study of human movement to pursue careers in health and fitness, corporate wellness, research, clinical and strength and conditioning industries. While interest in fitness and health has continued to grow, professionals in exercise science serve to optimize exercise, physical activity, and lifestyle management for all people. Exercise Science also prepares students for studies in exercise physiology, physical therapy and occupational therapy as well as for medical school, pharmacy school, chiropractic school, a career as a physician's assistant, and many other opportunities. Topics covered in Honors Anatomy and Physiology will be utilized in this course. Students will also learn new topics/concepts of anatomy and physiology.

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## WORLD LANGUAGES

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Spanish I	French I	German I	Latin I
Spanish II	French II	German II	Latin II
Spanish III	French III	German III	Latin III
Honors Spanish IV	Honors French IV	Honors German IV	CHS Latin IV
AP Spanish Language & Culture	AP French Language & Culture	AP German Language & Culture	

**SPANISH I**  
**Course Number: 500**  
**Prerequisite: 70% or better in English/Language Arts**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** Spanish I is designed for students to begin a formal study of the Spanish language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based classroom activities. Basic conversational vocabulary and grammar are stressed. Authentic materials, digital resources and culture are integral parts of the course as well.

**SPANISH II**  
**Course Number: 501**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** The basic objectives of this course are to help students continue developing their reading, listening, writing, and speaking skills in the language and to prepare for Spanish 3. The course aims to help students develop a functional use of the language so that they may have the communicative skills necessary for surviving in a Spanish speaking country. The course emphasizes vocabulary and grammar taught in real-life contexts. Students can work towards accomplishing the goals of the course by engaging in a variety of interpretive, interpersonal, and presentational classroom activities. Authentic materials, digital resources and culture are integral parts of the course.

**SPANISH III**  
**Course Number: 502**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 10-12**

**Description:** The basic objective of this course is to increase oral proficiency, listening skills, and writing accuracy as well as to read for comprehension at a more advanced level. Diverse, proficiency-based classroom activities enhance student performance. Practical and situational vocabulary and the development of functional use of the language in more complex scenarios provide the focus of this course. Advanced grammar, reading for comprehension, and writing are stressed. Authentic materials, digital resources and culture are integral to this course.

**HONORS SPANISH IV**  
**Course Number: 503**  
**Prerequisite: Teacher Recommendation;**  
***Summer work is required***

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** Spanish IV is a weighted course and includes progressively higher standards in the integral language skills of listening, speaking, reading, and writing. Formal consideration of advanced grammar is presented and vocabulary is expanded. At this level, students are expected to spontaneously and creatively integrate previously learned material into conversation and class activities. More advanced reading selections are incorporated along with an emphasis on higher-level writing skills. Students take part in diverse, proficiency-based classroom activities and projects. Authentic materials, history, and culture are incorporated into the course.

**AP SPANISH LANGUAGE AND CULTURE****Course Number: 504****Prerequisite: Teacher Recommendation*****Summer work is required*****AP Exam: Optional exam at the end of the course****Credit/Term: 1.0/year****Grade Level: 12**

**Description:** This course will follow a comprehensive curriculum that meets the needs of students who have successfully completed the fourth level honors course. Students will acquire listening proficiency by listening to passages by native speakers from different parts of the Spanish-speaking world. They will continue to increase their vocabulary and enhance their grammar skills through the reading of literature, history, and current events. Students will also be given the opportunity to refine and increase their oral and written proficiency through the interpersonal, interpretive, and presentational modes of communication. *This course requires 100% use of the target language from all students.*

**FRENCH I****Course Number: 505****Prerequisite: 70% or better in English/Language Arts****Credit/Term: 1.0/year****Grade Level: 9-12**

**Description:** French I is designed for students to begin a formal study of the French language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based activities. Basic conversational vocabulary and grammar are stressed. Authentic materials and culture are integral parts of this course as well.

**FRENCH II****Course Number: 506****Prerequisite: Teacher Recommendation****Credit/Term: 1.0/year****Grade Level: 9-12**

**Description:** The basic objective of this course is to increase oral proficiency, develop listening skills, improve writing accuracy and continue to read for comprehension. These goals are accomplished by diverse, proficiency-based activities. Although there is a considerable emphasis on vocabulary at this level, a focus of this course is practical and situational grammar. Development of functional use is stressed to provide students with the communicative skills needed to survive in French-speaking countries. French materials and films provide additional enrichment and variety to this course.

**FRENCH III****Course Number: 507****Prerequisite: Teacher Recommendation****Credit/Term: 1.0/year****Grade Level: 10-12**

**Description:** The basic objective of this course is to increase oral proficiency, listening skills, and writing accuracy as well as to read for comprehension at a more advanced level. Diverse, proficiency-based classroom activities enhance student performance. Practical and situational vocabulary and the development of functional use of the language in more complex scenarios provide the focus of this course. Advanced grammar, reading for comprehension, and writing are stressed. Authentic materials and culture are integral to this course. Cultural activities and projects, French films, and field trip opportunities provide additional enrichment and variety to this course.

**HONORS FRENCH IV**  
**Course Number: 508**  
**Prerequisite: Teacher Recommendation;**  
***Summer work is required***

**Credit/Term: 1.0/yr.**  
**Grade Level: 11-12**

**Description:** French IV is a weighted course and includes progressively higher standards in the integral language skills of listening, speaking, reading, and writing. A study of advanced grammar is coupled with the reading of literary selections. At this level, students are expected to spontaneously and creatively integrate previously learned material into conversation and class activities. Students take part in diverse, proficiency-based classroom and computer lab activities, and projects. Authentic materials, history, and culture are integral parts of this course as well. Cultural activities, projects, and field trip opportunities provide additional enrichment and variety to this course.

**AP FRENCH LANGUAGE AND CULTURE**  
**Course Number: 509**  
**Prerequisite: Teacher Recommendation**  
***Summer work is required***  
**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** This course is designed to promote flexibility and accuracy in the language and to enable students to explore culture and language in contemporary and historical contexts. The course is conducted in French, and students are encouraged to expand their communication skills with the teacher and their peers. The course will increase students' level of oral and written proficiency in the language through interpersonal, interpretive, and presentational modes of communication. Advanced grammatical concepts will be reviewed.

**GERMAN I**  
**Course Number: 510**  
**Prerequisite: 70% or better in English/Language Arts**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** German I is designed for students to begin a formal study of the German language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based classroom and computer lab activities. Basic conversational vocabulary and grammar are stressed. Authentic materials and culture are integral parts of the course as well.

**GERMAN II**  
**Course Number: 511**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** The basic objective of this course is to increase oral proficiency, develop listening skills, improve writing accuracy, and continue to read for comprehension. These goals are accomplished by diverse, proficiency-based activities. Although there is a considerable emphasis on grammar at this level, the focus of this course is practical and situational vocabulary. Development of functional use is stressed to provide students with the communicative skills needed to survive in German-speaking countries. Authentic materials and culture are integral parts of the course.

**GERMAN III**  
**Course Number: 512**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 10-12**

**Description:** The basic objective of this course is to increase oral proficiency, listening skills, and writing accuracy, as well as to read for comprehension at a more advanced level. Diverse, proficiency-based classroom activities enhance student performance. Practical and situational vocabulary and the development of functional use of the language in more complex scenarios provide the focus of this course. Advanced grammar is stressed. Authentic materials and culture are integral parts to this course.

**HONORS GERMAN IV**  
**Course Number: 513**  
**Prerequisite: Teacher Recommendation**  
***Summer work is required***

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** German IV is a weighted course and includes progressively higher standards in the fundamental language skills of listening, speaking, reading, and writing. Formal consideration of grammar is presented as the need arises. At this level, students are expected to spontaneously and creatively integrate previously learned material into weekly conversations and group presentations. Students take part in diverse, proficiency-based classroom and computer lab activities, and projects. Authentic materials, history, and culture are incorporated into the activities.

**AP GERMAN LANGUAGE AND CULTURE**  
**Course Number: 514**  
**Prerequisite: Teacher Recommendation**  
***Summer work is required***  
**AP Exam: Optional exam at the end of the course**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** The German V class is an immersion class designed to develop students' strengths in the German language without the need of translation. The culture aspect of the class will afford students the opportunity to study and appreciate German art, music, literature, and theater. The class also examines German history from 1871 to the present day and the German position in world government and finance. Emphasis is also placed on the former GDR, which is a key issue in the emerging new Germany.

**LATIN I**  
**Course Number: 515**  
**Prerequisite: No Prerequisite Required**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** This course will provide students with a basic understanding of the language, history, and culture of ancient Rome and Pompeii. While emphasizing a literary understanding of the Latin language, this course will enable students to read edited Latin texts, which not only focus upon grammar and syntax but also upon ancient history and culture. Careful vocabulary study within each stage (unit) will facilitate a deeper understanding of both Latin texts and English word origins and derivatives, another focus of this course. Due to the nature of the Latin language, which includes various noun and verb endings, strong emphasis is placed on both English and Latin grammar. Memorization is also a key component of this course.

**LATIN II**  
**Course Number: 516**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 10-12**

**Description:** This course builds upon the foundation established in Latin I and provides a deeper understanding of the way words work together in sentences. Students will begin to better understand how the Latin and English languages are connected through syntax and grammar. In addition, Latin II students will continue to focus on vocabulary, derivatives, culture, and history, paying close attention to the Roman influence in both Britain and Egypt. Students taking this course will be expected to use their knowledge of Latin grammar to produce and compose sentences in Latin. This course is faster paced than Latin I, and students will be fully responsible for all concepts covered in the previous course.

**LATIN III**  
**Course Number: 517**  
**Prerequisite: Teacher Recommendation**

**Credit/Term: 1.0/year**  
**Grade Level: 11-12**

**Description:** In addition to building on grammar concepts learned in Latin I and II, Latin III provides students with an understanding of grammar ideas that are abstract in the English language. This course will move at a much faster pace than Latin II and students will be expected to work at an independent level more often. Culture and history will continue to influence our studies, as this level of Latin takes us into the development of Roman colonies, the construction of Hadrian's Wall in England, and the importance of various Roman monuments all over the Roman World.

**CHS LATIN IV**  
**Course Number: 518**  
**Prerequisite: Teacher Recommendation**  
***Summer work is required***  
**College Credit: Fee for credits**

**Credit/Term: 1.0/year**  
**Grade Level: 12**

**Description:** This course is a culmination of knowledge obtained in Latin I, II, and III and serves as an introduction to Latin poetry. In conjunction with the University of Pittsburgh, students will read selections from Books I, II, and IV of Vergil's *Aeneid*, an epic poem written in the 1<sup>st</sup> century AD. In addition to reading specified selections in Latin, students will study the meter of the poem and read the whole poem in English for in-class discussion. Each student's grade will be based upon his or her performance on three one-hour exams, a final exam, quizzes and in-class readings and discussion. At the completion of the course, students may earn college credits by registering and paying the requisite tuition and enrollment fees as required by the university.

# BUSINESS, COMPUTER SCIENCE, INFORMATION TECHNOLOGY

## INTRODUCTION TO COMPUTER SCIENCE

Course Number: 603

Prerequisite: None; This a required course for all 9<sup>th</sup> grade students.

Credit/Term: .50/sem.

Grade Level: 9

**Description:** This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems.

This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study computer science. The technology, software, and digital application skills learned in this course are applicable throughout high school and beyond graduation.

- Technology Media Applications- this is a graduation expectation for the class of 2022.
- Introduction to Computer Science- this is a graduation expectation beginning with the class of 2023, replacing Technology Media Applications.

## WEB DEVELOPMENT

Course Number: 604

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9-12

**Description:** This course provides students with an overview of HTML coding (the language of the internet) and Web Page imaging. Students will learn the tools necessary to create, design, manage and control a professional quality website. Creativity is strongly encouraged (and welcomed) from students when they are designing and editing websites for target audiences. The assignments and projects in this course step students through the stages of developing websites used in business and industry today. Additionally, the software program enhances the student mock sites so they may gain a more enriched experience of web design without going "live" on the Internet.

## SPORTS, ARTS, & ENTERTAINMENT MARKETING

Course Number: 607

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9-12

**Description:** This course is for students who are interested in the dynamic field of sports, entertainment and marketing. More than one-third of the jobs in the country are associated with some form of marketing. In this interdisciplinary course, students apply their knowledge of athletes, venues, sports, musicians, and entertainment to the necessary and profitable field of marketing. Through the completion of hands-on projects and assignments students develop critical thinking, decision-making, and communication skills through authentic marketing applications. Successful sports marketing strategies are researched then applied to mock sports programs. Commercials are analyzed to identify profitable sales techniques, and students work independently and in teams to simulate the desirable soft skills of the industry. This course is for all students considering a career in business, marketing, public relations, or sports and entertainment management.

## INTRODUCTION TO BUSINESS

Course Number: 608

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9-12

**Description:** Today's business environment is more competitive than ever. This course is designed to expose the student to the multitude of career fields in the areas of business. Students will explore the foundation of business operations and learn to be a knowledgeable consumer through this course. Topics covered will include business technology, social responsibility, economic decisions, marketing, advertising, career planning/development, small business management and credit. Integrated academic activities and hands on research will supplement the course material, build comprehension and reinforce key academic concepts.

**SOCIAL MEDIA MARKETING**  
**Course Number: 612**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Social media is changing how business is done around the world in almost every industry. As a result, the conventional approaches to marketing communications have become more and more challenging. The marketing and business worlds are changing how consumers interact with brands and each other. This course will be aimed to provide a clear perspective on what's really going on in digital/social/mobile marketing so that students can begin to appreciate its true value as consumers and potentially business owners.

**PRINCIPLES OF ACCOUNTING I**  
**Course Number: 610**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Accounting is the Language of Business! The Principles of Accounting I course provides an excellent background in the field of accounting and is highly recommended to anyone interested in a business career or for students who want to learn how to manage their personal finances. This course is an introduction to the basic concepts and standards underlying financial accounting systems. Furthermore, this course emphasizes the construction of the basic financial accounting statements - the income statement, balance sheet, and cash flow statement - as well as their interpretation. Students will have the opportunity to work with Online QuickBooks Accounting Software and complete a simulation where they will learn how to properly record, summarize, and analyze real-world business transactions.

**PRINCIPLES OF ACCOUNTING II**  
**Course Number: 611**  
**Prerequisite: Principles of Accounting I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This course provides an extensive background in advanced fields of accounting for students seeking a career in business administration, finance, banking, and other areas of business/finance. The topics of specialized accounting, corporate accounting, and departmentalized accounting are covered in detail using computer-generated spreadsheets, QuickBooks Accounting Software, and financial analysis. Principles of Accounting II is for students who want to further their understanding of accounting at a higher level. Furthermore students will learn how to invest in the stock market and to calculate the Time Value of Money (TMV). Assignments include solving accounting cycle problems using real-life simulations and an integrated accounting software to help prepare individuals for both the business and financial world. It is strongly recommended that students electing this course have achieved a final grade of 75% or higher in Principles of Accounting I.

**ENTREPRENEURSHIP**  
**Course Number: 619**  
**Prerequisite: Introduction to Business**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Entrepreneurship is a business/marketing course where students learn what it is to be a successful entrepreneur and to start a business from the ground up. Students will learn how to create, promote, and operate a company. They will also practice effective leadership skills, develop problem solving and decision-making skills and practice public speaking skills. The importance of social media's role in the business world today is an integral component in almost all successful marketing strategies. Topics on the subject will include choosing appropriate platforms, creating effective and engaging social media content, content management, social listening and creating their own social media policy.

*(If the class is on student's schedule 1st period, 2nd semester, students will have to opportunity to work in conjunction with the Baldwin Bean)*

**BUSINESS AND PERSONAL LAW**  
**Course Number: 620**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Knowledge of business law is particularly useful because all students eventually assume the role of citizen, worker, and consumer in society. This course provides students with an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. This course emphasizes legal concepts that are relevant to business and everyday life. A unit on Forensics will surely excite anyone interested in the law field. Students will learn the history behind the science, review evidence through mystery case studies, take and examine fingerprints and analyze forensic techniques. Guest speakers from various areas of business and law will visit our class to aid students in exploring career options.

**JAVA PROGRAMMING****Course Number: 625****Prerequisite: 70% or better in Algebra I****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This course is an introduction to programming using the Java language. The writing and implementing of object-oriented, logically structured, well-documented computer programs and the development of good programming habits are emphasized. Content includes object-oriented programming, basics of Java, decision structures, and looping. Students will develop, write, edit, debug, and run programs using the Java language. This course provides the equivalent of college-level work for computer science majors.

**INTRODUCTION TO GAME PROGRAMMING****Course Number: 626****Prerequisite: 70% or better in Algebra I****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** Students will learn how to create dynamic, robust, and entertaining 2-D and 3-D games in this game-development course. Students begin with an overview and history of game development and learn different environments used to support the creation of 2-D and 3-D animations. In this programming environment students will make and create animations, build interactive narratives, or program simple games in 3D. This course provides tools and materials for learning computational thinking, problem solving, and computer programming. Students will be introduced to Pygame which will be used to design the games. Topics for this course includes creating storyboards for a game, adding animation and visual effects, inserting movie clips and sound files, and applying math and science concepts to make game objects move.

**AP COMPUTER SCIENCE PRINCIPLES****Course Number: 627****Prerequisite: 70% or better in Algebra I****AP Exam: Optional exam at the end of the course****Credit/Term: 1.0/year****Grade Level: 9-12**

**Description:** This course introduces students to foundational principles of modern computing. The curriculum covers a broad range of computer science topics including fundamental concepts of programming, algorithms, the Internet, digital privacy and security, and the impact that computing has on society. There are no prerequisites for this course; however, a firm foundation in algebra is imperative for academic success. Students who successfully complete the course will be eligible to take the Advanced Placement exam at the end of the year. Students who are interested in a career associated with computers and programming should take this course!

**INTRODUCTION TO PYTHON PROGRAMMING****Course Number: 628****Prerequisite: 70% or better in Algebra I****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** This course introduces students to computer programming using the Python programming language and emphasizes the principles of software development, style, and testing. Topics include procedures and functions, iteration, recursion, arrays and vectors, strings, an operational model of procedure and function calls, algorithms, exceptions, object-oriented programming, and GUIs (graphical user interfaces). Upon completion, students should be able to design, code, test, and debug Python language programs.

**PYTHON PROGRAMMING II****Course Number: 629****Credit/Term: .50/sem.****Grade Level: 9-12**

## Prerequisite: Introduction to Python Programming

**Description:** Students who have passed the basics of Python programming can start digging into more intermediate to advanced levels of Python concepts. Having mastered the core concepts of Python from Introduction to Python Programming course, students will perform more advanced Python programming with a focus on enterprise development. Students will use object oriented programming in Python to interact with databases and GUI's and perform Network Programming. This is a practical hands on course, designed to teach students practical programming for the real business application. This course provides the equivalent of college-level work for computer science majors.

## FINE ARTS AND CRAFTS

### STUDIO ART I

**Course Number: 700**  
**Prerequisite: None**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** Studio Art I is an introductory course wherein students improve drawing skills through observation and imagination. Students learn how to use a variety of materials to produce original works of art. Students also learn painting, printmaking, and sculptural skills.

### STUDIO ART II

**Course Number: 701**  
**Prerequisite: Studio Art I**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 10-12**

**Description:** Students in Studio Art II develop a mastery of skills in the areas of drawing, painting, printmaking, and two-and three-dimensional design. Using their knowledge of the elements and principles of design, students continue their growth as artists as they work on interpretation of original ideas through various media and techniques. Students will work to expand their artistic concepts, as well as progress toward an individual style.

### STUDIO ART III

**Course Number: 702**  
**Prerequisite: Studio Art II**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 11-12**

**Description:** Studio Art III focuses on the continual development of the student artist while addressing concerns related to the quality of work through more in-depth experiences in areas such as drawing, painting, printmaking, sculpture, and two-and three-dimensional design. The students incorporate the study of art history as a resource and continue to use critical, analytical, and evaluative thinking skills.

### STUDIO ART IV

**Course Number: 703**  
**Prerequisite: Studio Art III**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 12**

**Description:** Studio Art IV is an advanced course intended for those students who plan to specialize in some aspect of the visual arts upon graduation from high school, as well as those who wish to pursue their continued development as artists. Emphasis is placed on the expansion of the student's portfolio for the purpose of gaining acceptance to a college, university, or professional art school. Individual units are planned and developed in cooperation with the instructor based upon specific concepts, media and techniques, and exploration of personal expression. Students are expected to work beyond the scheduled class periods in order to complete their assignments.

**CRAFTS I**  
**Course Number: 706**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Crafts I, an introductory course, offers an exploration into various aspects of crafting. Students are instructed in the use of various materials, which may include glass, metal, wood, clay, fibers, paper, and mixed media. Students learn how to adapt designs from a variety of resources as well as create their own designs. Students must demonstrate and/or pass a safety procedures test prior to using hand tools and machines.

**CRAFTS II**  
**Course Number: 707**  
**Prerequisite: Crafts I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This is an intermediate course designed to expand upon techniques, media, and project design learned in Crafts I. Students continue developing proficiencies in glass, metal, wood, clay, fibers, paper, and mixed media. Students must demonstrate and/or pass a safety procedures test prior to using hand tools and machines.

**CERAMICS I**  
**Course Number: 709**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This is an introductory course in ceramic processes. Ceramics I provides an opportunity for students to experience methods of working with clay. Areas explored include various hand-building techniques, wheel thrown pieces, ceramic sculpture, and various decoration techniques.

**CERAMICS II**  
**Course Number: 710**  
**Prerequisite: Ceramics I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This is an intermediate course in the ceramics processes built on knowledge gained in Ceramics I. Emphasis is placed on perfecting hand-building methods, craftsmanship, wheel throwing, and producing matched forms in sets. Processes are expanded by size, surface treatments, trimming, and decoration. Students will incorporate investigation of cultural designs and artists as a resource.

**ADVANCED CERAMIC TECHNIQUES**  
**Course Number: 712**  
**Prerequisite: Ceramics II**

**Credit/Term: .50/sem.**  
**Grade Level: 10-12**

**Description:** Advanced Ceramics Techniques is an advanced-level course in the ceramics processes. This course is an independent study, designed to allow the ceramic student to expand and build upon the skills and knowledge acquired in Ceramics I and II. Students are expected to produce ceramic pieces of superior levels of quality and competency. This course may be elected for one or more semesters; therefore, it is advised that the student meet with the instructor prior to scheduling. In order to repeat the course for additional credit, the student must maintain an 80 percent average or higher.

**CHS DIGITAL ILLUSTRATION**  
**Course Number: 714**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This course is intended to provide an opportunity to explore digital illustration and computer art. The students will experience the computer studio process of creating art using current software. The effect of styles, techniques, and art movements on computer images will be explored. Attention will be given to vector illustration and the relevance of digital art in today's job market. Three college credits can be obtained with a B average or better. Students in grades 10-12 may earn college credit by registering through La Roche College and paying the registration fee as required by the college.

**CHS DIGITAL PHOTOGRAPHY**  
**Course Number: 715**  
**Prerequisite: None**  
**College Credits: Fee for credits**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** An introduction to basic concepts, processes, and techniques of photography, including camera usage, digital editing, composition, lighting, and the application of these techniques. Three college credits can be obtained with a B average or better. Students in grades 10-12 may earn college credits by registering through La Roche College and paying the requisite registration fees as required by the college.

**DIGITAL PHOTOGRAPHY II**  
**Course Number: 724**  
**Prerequisite: CHS Digital Photography**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** An expansion of the processes and techniques of photography, including camera usage, digital editing, composition, lighting, and the application of these techniques. Students will produce photography work for the District and School when photography is needed for school publications, web design, and more.

**METALSMITHING I**  
**Course Number: 716**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Metalsmithing I is an introductory course. Students will demonstrate the basic skills and techniques used in production, along with safe and proper use of hand tools, machinery, and equipment. Metalsmithing skills/processes may include etching, piercing, casting, sawing metal, soldering, finishing techniques and decorative surface treatments.

**METALSMITHING II**  
**Course: 717**  
**Prerequisite: Metalsmithing I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Metalsmithing II is an intermediate course exploring advanced metalsmithing techniques using materials and tools introduced in Metalsmithing I. Students will study cultural developments in metal as a functional art form. Materials explored may include sterling silver, copper, brass, nickel silver, glass cast pewter, enameling, and soldered metal. Emphasis in the Metalsmithing II course is to create metal based and mixed media projects with an emphasis on functionality (versus decoration).

**WOOD CRAFTS I**  
**Course Number: 719**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Wood Crafts I is an introductory course designed to teach the fundamentals of wood crafting. Students explore the functional and ornamental use of wood. Basic woodworking skills and techniques used in production are emphasized, along with safe and proper use of hand tools, power tools, and equipment. Projects developed for the course concentrate on basic cutting, carving, sculpture, and finishing processes. Students must demonstrate and/or pass a safety procedures test prior to using hand tools and machines.

**WOOD CRAFTS II**  
**Course Number: 721**  
**Prerequisite: Wood Crafts I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Wood Crafts II is an intermediate course designed to expand the student's skill and knowledge of wood crafting. Additional processes may include laminating, fabrication, carving, and expanded decorations. Basic skills and techniques acquired in Wood Crafts I are used as a foundation for the students to create their own design. Students must demonstrate and/or pass a safety procedures test prior to using hand tools and machines.

**CHS GRAPHIC DESIGN I**  
**Course Number: 722**  
**Prerequisite: None**  
**College Credit: Fee for credit**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This is an introductory course in graphic design. Students create advertisements, posters, billboard designs, and a variety of other practical applications. Students create the digital work projects on the computer using current graphic design software. Three college credits can be obtained with a B average or better. Students in grades 9-12 may earn college credits by registering through La Roche College and paying the registration fee as required by the college.

**CHS GRAPHIC DESIGN II**  
**Course Number: 723**  
**Prerequisite: CHS Graphic Design I**  
**College Credit: Fee for credit**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Graphic Design II is an intermediate course designed to expand the knowledge and skills acquired in Graphic Design I. Students gain valuable and practical experience by completing projects such as logo design, brochures, and package design. Three college credits may be obtained with a B average or better. Students in grades 9-12 may earn college credits by registering through La Roche College and paying the registration fee as required by the college.

**PARTNERS STUDIO ART**  
**Course Number: 725**  
**Prerequisite: Application to the course**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description :** This course is designed for students to work together to fulfill the needs of all individuals with various ability levels within Studio Arts activities. Students in this class who may have any physical or cognitive difficulties can also benefit from the added art production taking place. Every attempt is made to design activities so that every student with varying ability levels has a partner working alongside him/her to complete a common goal or project. Students enrolling in Partners Studio Art should develop partnerships that transcend this class. This course may be repeated for credit.

**ART DESIGN AND ENGINEERING****Course Number: 726****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** In a world where creative products are a driving force in consumerism and branding, a need for a course aiding students in how to design and create a product is pertinent. Students will address this need by learning art principles that combine design with product innovation, engineering, and real world business applications.

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## MUSIC

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### **SYMPHONIC BAND**

**Course Number: 726**  
**Prerequisite: None**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** This performing ensemble is open to all instrumental students in 9th - 12th grade. In this class, students will work on improving the foundational skills of music while preparing for multiple formal performances. Students will perform a wide variety of instrumental music.

### **HONORS WIND ENSEMBLE**

**Course Number: 727**  
**Prerequisite: Audition Required**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** Wind Ensemble is the competitive, audition-based performing group. Members of this group have advanced playing abilities, and will work on refining their musicianship skills. Students will perform a more advanced repertoire of music.

### **HONORS STAGE BAND**

**Course Number: 728**  
**Prerequisite: Audition Required**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** This auditioned performing ensemble is open to students in 9th - 12th grade. In this class, students will work on improving the foundational skills of music while preparing for multiple formal performances. Students will perform a wide variety of jazz music.

### **ORCHESTRA**

**Course Number: 730**  
**Prerequisite: None**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** All students who play the accepted string instruments of the symphony orchestra may schedule this class as an elective. This daily string class provides an opportunity for students to increase their knowledge of fundamentals of music, to further develop their instrumental techniques, and to become acquainted with and perform the highest level of music within their capabilities.

### **BALDWIN CHORUS**

**Course Number: TBD**  
**(Pending Board Approval)**  
**Prerequisite: None**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 9-12**

**Description:** This course is designed for beginner, intermediate, or advanced students who would like to develop singing and musicianship skills. There is no homework for this class. This course may be retaken. Participants may opt to perform at the biennial Disney World Performance Tour. For more information, please visit <http://bhsmusic1.weebly.com/baldwin-chorus.html>.

### **HONORS HIGHLANDER CHOIR**

**Credit/Term:**

**Course Number: TBD**  
**(Pending Board Approval)**  
**Prerequisite: Audition & Application**

**1.0/year**  
**Grade Level: 10-12**

**Description:** This course is designed for advanced singers who would like to pursue a deeper exploration of musicianship and vocal skills and singers who may be interested in pursuing a minor, major, or career in music. An audition is required. This course may be retaken. Participants may opt to perform at the biennial Disney World Performance Tour. Students will audition for PMEA Festivals and will engage in a choral emphasis in music theory, vocal repertoire, and conducting. For more information including an application, please visit <http://bhsmusic1.weebly.com/highlander-honors-choir.html>.

**GUITAR**  
**Course Number: 740.5**  
**Prerequisite: None**

**Credit/Term: 0.5/year**  
**Grade Level: 9-12**

**Description:** This course is designed for beginning guitar students; no prior musical knowledge is necessary. Students need not own their own guitar. Popular music is used as a vehicle to teach guitar techniques. Lead/Chord Sheets and Guitar Tab are both used extensively. The history of Rock 'n Roll is also interwoven into the course.

**PIANO CLASS I**  
**Course Number: 741**  
**Prerequisite: None**

**Credit/Term: 1.0/year**  
**Grade Level: 9-12**

**Description:** This course is perfect for any beginner who would like to learn to play the piano as well as create and produce their own music using beat maker, auto editing, loops, and more. No prior music experience is required. There is no homework for this class, and there is no need to have a piano at home. Participants learn popular songs such as Billy Joel's "Piano Man" and John Lennon's "Imagine" ultimately working to create their own composition. To read student testimonials, see sample lessons, and ask questions, please visit <http://bhsmusic1.weebly.com/piano-i.html>.

**PIANO CLASS II**  
**Course Number: 742**  
**Perquisite: Piano Class I**

**Credit/Term:**  
**1.0/year**  
**Grade Level: 10-12**

**Description:** This course transforms the Level I piano player into a more independent Level II player. There is no homework for this class, and there is no need to have a piano at home. Each student has his/her own workstation that includes a piano keyboard, headphones, and a computer. Participants learn popular songs such as Journey's "Don't Stop Believing", Train's "Drops of Jupiter," and songs by Kelly Clarkson, Sara Bareilles, and more. To read student testimonials, see sample lessons, and ask questions, please visit <http://bhsmusic1.weebly.com/piano-ii.html>.

**PARTNERS MUSIC**

**Credit/Term: 0.5/sem**

**Course Number: 741P**  
**Prerequisite: None**

**Grade Level: 9-12**

**Description:** This course is highly recommended for students who may want to pursue a degree in education. No musical experience is required. This course may be retaken. This course uses instruments, creative storytelling, movement, and songs to improve the physical, emotional, and social development of both regular education and special education students. These students will work together to create and implement hands-on activities concentrating on the enhancement of life skills, the development of fine motor skills, social interaction, teamwork, and music appreciation. For more information please visit <http://bhsmusic1.weebly.com/partners-music.html>.

**MUSIC THEORY AND TECHNOLOGY**

**Course Number: 745**  
**Prerequisite: Experience on an instrument or voice is recommended**

**Credit/Term: .5/sem**  
**Grade Level: 9-12**

**Description:** The purpose of this course is to enhance students' understanding of the underlying principles of music. The course curriculum covers topics ranging from basic rhythm to modes and scales, and includes the use of software and online resources associated with a theoretical purpose in music. Students also explore technology resources that are used to create, evaluate, arrange, and perform music. Real-world applications of music technology are discussed including: sound systems and recording, film scoring, radio commercials and jingles just to name a few. Students will develop the ability to recognize, understand, and describe the approaches to the development of aural, sight-singing, written, analytic and composition skills.

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## TECHNOLOGY AND ENGINEERING

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### ENGINEERING AND FABRICATION

**Course Number: 800**

**Prerequisite: None**

**Credit/Term.: .50/sem.**

**Grade Level: 9-12**

**Description:** This course exposes students to entry-level, problem-solving opportunities, and the use of fabrication, engineering, and design equipment. Students will learn basic skills of identifying a “problem/need,” working in a team, brainstorming ideas, designing a plan, and fabricating a solution. All of the BHS Fabrication and Engineering labs will be used throughout the course including the CAD- CAM, Electronics, Robotics, Graphics, and Materials and Production areas. Students will learn the fundamental operation of equipment and fabrication processes including, but not limited to, computer- design, layout, hand tools, metal/woodworking machinery, laser printing, graphic printing, basic welding, and electronics. Additionally, this course is an introduction to enterprise including estimating the material, overhead, and production costs of engineering and fabricating a product. ANY student who is interested in a hands-on, designing, creating, building, or construction career should take this course!

### HONORS FAB LAB

**Course Number: 807**

**Prerequisite: Fabrication and Engineering, Robotics I, Material Technology I, or Electronics I**

**Credit/Term: .50/sem.**

**Grade Level: 9-12**

**Description:** This course is similar to the Fabrication and Engineering course, but is designed for students who are familiar with basic design and fabrication processes and equipment. Students may choose to work in teams or independently to identify a “problem/need,” then design and produce a solution. All of the BHS Fabrication and Engineering labs are at the disposal of the students throughout the course including the CAD-CAM, Electronics, Robotics, Graphics, and Materials and Production areas. This course requires students to estimate the material, overhead, marketing, production, and packaging costs to engineer and fabricate their product(s). All students who are interested in engineering, design, manufacturing, building, construction, and business careers should take this course!

### HONORS ROBOTICS AND ELECTRONICS

**Course Number: 812**

**Prerequisite: Robotics, Fabrication and Engineering, or Electronics**

**Credit/Term: .50/sem.**

**Grade Level: 9-12**

**Description:** This course is modeled after a course developed by Carnegie Mellon University. Students will develop problem-solving, teamwork, and project management skills learned in Robotics I or Fabrication and Engineering courses. Skills, processes, and activities in the areas of robotics and electronics provide students with opportunities to design and build robots and automated products. Each student will track his /her progress through the activities in the course to maintain project milestones, performance design reviews, and journal-writing data. Students are encouraged to ask “what if” questions and think “outside of the box” as they progress through the course assignments and activities. Students will also utilize Computer Aided Drafting, 3-D Design, and Architectural Design software to help solve various design challenges of the projects builds.

### VIDEO PRODUCTION I

**Credit/Term: .50/sem.**

**Course Number: 822**

**Grade Level: 9-12**

**Prerequisite: None**

**Description:** This introductory course provides students with foundational skills in video editing, sound editing, basic animation, lighting design, menu production, HD, and image editing techniques. Students will explore the initial steps to create basic videos with a focus on the use of proper sets, studios, sound, light, and equipment necessary for a “professional-grade” final product. Students interested in a career associated with video or audio production, or a desire to explore digital creativity and storytelling should take this course.

### **CHS VIDEO PRODUCTION II**

**Credit/Term:**

**.50/sem.**

**Grade Level: 9-12**

**Course Number: 823**

**Prerequisite: Video Production I**

**Description:** Video Production II is a course taught in partnership with Point Park University that provides students the opportunity to earn three college credits. The assignments and activities in this course build on the foundational skills learned in Video Production I including editing, animation design, sound mixing, narrative script writing, Chroma-key operation, lighting design, and high definition video. Course projects may include the creation of music videos, audio or video commercials, highlight videos, historical documentaries, Adobe After Effects, or instructor approved independent projects that enhance the skills of the student or class. Students are required to perform concentrated fieldwork outside of the classroom to complete some of the assignments, then use high-tech software and equipment within the studio to create the final product. Any student interested in communications, theater, videography, directing, or producing should take this course! “Do you have what it takes to be a director?”

### **PRODUCTION STUDIOS**

**Credit/Term: 1.0/year**

**Course Number: 824**

**Grade Level: 10-12**

**Prerequisite: Audition; Director recommendation**

**Description:** Students enrolled in this course produce the live daily broadcast of our school morning announcements. Student-led teams within the class rotate throughout the year to gain the skills of identifying and gathering current events, writing scripts, and producing video programs aired through our closed-circuit television system. The course assignments and activities exemplify a true “behind the scenes” experience of a modern television studio. Additionally, this course includes exposure to developing proper skills in sound, lighting, broadcast communication, Chroma-key operation, teleprompting, and camcorder methodology. Any student interested in the field of communications should take this course because, “We bring the news!”

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## FAMILY AND CONSUMER SCIENCES

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**FASHION DESIGN I**  
**Course Number: 825**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This course is for students who enjoy fashion and being creative. Students will study the principles and elements of design and apply their knowledge to original fashion drawings (Croquis). Students will also construct garments following a pattern. Additionally, students will acquire a working knowledge of fabrics and textiles. Students will complete a career exploration unit including careers in design, textiles development, and fashion.

**ADVANCED FASHION DESIGN**  
**Course Number: 829**  
**Prerequisite: Fashion Design I**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** This course is for students who would like to enhance their knowledge of fashion design, clothing construction, and textiles. Students will create a portfolio of construction skills including zipper placements, buttonholes, and French seams, to name just a few, and also be given the opportunity to work with technologically advanced sewing equipment. Students will explore the history of fashion and fashion designers. Students will also research past and current textiles trends and their influences on fashion. Finally, students will select patterns and construct clothing projects. This course may be repeated for credit.

**INTERIOR DESIGN**  
**Course Number: 837**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Interior Design is for those students who enjoy interior decorating or are considering it as a career choice. Projects include developing floor plans, selecting furniture styles, applying design basics, choosing color schemes, and creating unity within rooms of a home. Elements and principles of design are studied as an integral part in selecting furnishings and accessories.

**COOKING BASICS**  
**Course Number: 827**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** Welcome to this dynamic learning environment where cooking comes alive. The course begins with the basics of baking by exploring options from savory rolls to sweet treats; from baking soda to yeast, what makes it happen? The journey continues as students master their knife skills. From dicing to chopping to julienne, students will create some great veggie recipes. Next, students will be exploring pastas and traditional sauces. Additionally, students may compete for the "Best Sauce" title! This course is perfect for any student who desires to learn how to navigate around the kitchen.

**COOKING MASTERS**  
**Course Number: 831**  
**Prerequisite: Cooking Basics**

**Credit/Term: .50/sem.**  
**Grade Level: 10-12**

**Description:** This course is for students who consider themselves a real foodie - those who love all aspects of food and the latest cooking trends. Students will practice unique cooking techniques and participate in individual and group cooking competitions similar to shows on the Food Channel such as Cupcake Wars, Top Chef, and a variety of Cook Offs. Additionally, students will explore a variety of meals associated with heritages and international recipes including some from their own family's kitchen. Students interested in honing their culinary skills or developing creative gastronomical abilities should take this course! Who will be the next Top Fighting Highlander Chef?

**NUTRITION AND FOODS**  
**Course Number: 830**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 9-12**

**Description:** The objective of this course is to introduce students to healthy eating habits by studying current food issues such as fats in the diet, food fads, supplements, and eating disorders. Units of study include fruits and vegetables, meats and meat alternatives, grains, and dairy products. During the course of the semester, students have the opportunity to plan, prepare, taste, and evaluate traditional and international foods. This course is strongly recommended for students pursuing healthy food choices that last a lifetime.

**CHILD DEVELOPMENT**  
**Course Number: 828**  
**Prerequisite: None**

**Credit/Term: .50/sem.**  
**Grade Level: 10-12**

**Description:** In this class, students will explore the development of children from conception through adolescence. The course will focus on developmental stages in areas of physical, social, emotional, and cognitive development. Students will discover how parents and caregivers can impact the positive development of a child. Students considering careers in teaching, nursing, and health and human services should consider taking this class. The course is highly recommended for students who would like to take Preschool Education.

**PRESCHOOL EDUCATION**  
**Course Number: 833**  
**Prerequisite: Child Development is highly recommended**

**Credit/Term: 2.0/year**  
**Grade Level: 12**

**Description:** This is an advanced level course that requires students to demonstrate a genuine commitment to helping foster the physical, intellectual, social, and emotional development of preschool aged children. Students are expected to plan developmentally appropriate lessons and apply higher level communication skills when interacting with preschool students and their families.

It prepares students for careers in education, pediatric nursing, social work, speech pathology, psychology, physical and occupational therapy and other types of health and human services careers. The students will work with teams of other students to run an onsite preschool for four-year-olds. The students will learn positive guidance techniques, how to write lesson plans, and management and presentation skills. Students are expected to maintain professional attitudes and appearances at all times.

Additionally, students are required to take regular anecdotal observations of their students and complete observation reports. It is highly recommended that students take Child Development prior to enrolling in Preschool Education. All students are required to get two teacher recommendations. Stop by room 229 for an application.

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## HEALTH AND PHYSICAL EDUCATION

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### PHYSICAL EDUCATION 9

Course Number: 900

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9

- **Activities may include: soccer, softball, lacrosse, angle ball, basketball, hockey, volleyball, speedball, ultimate Frisbee, tennis, badminton and instructional swimming.**

**Description:** The varied activities included in the physical education program contribute to the physical, mental, and social well-being of the student. These activities are not only concerned with the present development of the students' skills but they are designed to promote leisure-time activities and an awareness of the importance of personal fitness in adult life. The ninth grade students' program will emphasize skill development in all areas. This class includes a required swimming unit.

### PHYSICAL EDUCATION WITH BASIC SWIMMING/AQUATICS

Course Number: 902

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9-12

- **Activities may include: instructional swimming/developing swimming skills football, hockey, lacrosse, volleyball, soccer, softball, and ultimate Frisbee.**

**Description:** This course is an alternative to the traditional Physical Education course placing special emphasis on developing swimming skills. This course is designed for a non-swimmer and for a student with weak swimming skills. Other varied activities included in this course contribute to the physical, mental, and social well-being of the student. These activities are not only concerned with the present development of the students' skills, but are designed to promote leisure-time activities and an awareness of the importance of good personal fitness for their adult lives. A student in this class will swim on average of 2-3 times per week.

### WELLNESS 9

Course Number: 908

Prerequisite: None

Credit/Term: .50/sem.

Grade Level: 9

**Description:** This course is an alternative course to traditional physical education, placing special emphasis on improving and enhancing the students' wellness and fitness level. Students aspiring to lose weight with body toning, and improve or enhance personal wellness are encouraged to enroll in this course. This class will include a swimming unit. Activities may also include: yoga, Pilates, aerobic dance, movement/gymnastics, body sculpting, mindfulness, cardiovascular fitness, individual sports and instructional swimming/water aerobics. Wellness is a state of optimal well-being that is oriented toward maximizing an individual's potential. Each activity is designed as a learning experience to help students discover the amazing capabilities of the human body. As students cultivate through the semester, they will obtain the benefits of flexibility, core strength, improved posture, decreased stress levels, and muscle definition.

**HEALTH****Course Number: 904****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 10**

**Description:** Health Education is a required subject for all students in Grade 10. The program focuses on the physical, mental, and social wellness of the individual and strives to create lifetime awareness. All units taught are self-esteem, decision-making skills, sexuality, tobacco, nutrition, and CPR training. In addition, drug and alcohol abuse education will be taught.

**TEAM SPORTS****Course Number: 922****Prerequisite: Successful completion of 900, 902, 925, or 908****Credit/Term: .50/sem.****Grade Level: 10-12**

**Description:** Students will experience a variety of team activities that help improve personal fitness levels and may be played at any age. These activities are not only concerned with the present development of the students but also are designed to promote leisure-time activities and an awareness of the importance of good personal fitness for students into their adult lives. The course will promote competitive tournament-style game play. Intense game play will take place during this class during most of the activities.

**PHYSICAL EDUCATION WITH LIFE GUARDING/STANDARD FIRST AID/CPR****Course Number: 923****Prerequisite: Successful completion of 900, 902, 925, or 908****Credit/Term: .50/sem.****Grade Level: 10-12**

**Description:** The purpose of the American Red Cross Lifeguarding course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize, and respond to aquatic emergencies and to provide care for breathing and cardiac emergencies, injuries, and sudden illnesses until emergency medical services personnel take over. To enroll in the Lifeguarding course, students must be at least 15 years old before the last scheduled class session in order to be certified. There is a \$50 fee for this course.

**ADVENTURE OUTDOOR EDUCATION****Course Number: 924****Prerequisite: Successful completion of 900, 902, 925, or 908****Credit/Term: .50/sem.****Grade Level: 10-12**

**Description:** This course is designed for students who may have an interest in the Outdoor Recreation/Education Industry, one of the fastest-growing industries in America. This class will include knowledge about archery, biking, fly fishing, camping, kayaking, group management, risk management, policy and procedure development for the activities and the area, land-management awareness, and environmental ethics. Outdoor Leadership students are expected to teach/introduce the particular area/activity.

**STRENGTH TRAINING****Course Number: 925****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 9-12**

**Description:** *The class will take place in the weight room at the stadium.*

This course is an alternative course to the traditional physical education course placing an intensive emphasis on developing, improving, and enhancing the students' performance-based fitness level. At the completion of strength training, students will increase their strength, improve their flexibility and agility, and improve upon the efficiency of their cardiovascular system. They will gain an understanding of the muscle groups and exercise physiology. This class is a muscle building and conditioning class focusing on weight lifting. Exercises will utilize a mixture of dumbbells, resistance bands, and body weight to sculpt and define arms, back, legs, abdominal muscles, and glutes. The major focus is strength training and challenging muscular endurance.

**INTRODUCTION TO CAREERS IN HEALTH & SPORT****Course Number: 927****Prerequisite: Successful completion of 900,902,925, or 908****Credit/Term: .50/sem.****Grade Level: 10-12**

**Description:** This course prepares students for a possible career in the fields of Physical Therapy, Personal Training, Athletic Training, Recreation Worker, Nursing, EMT, Pre-Med, Sports Medicine, Athletic Management, Community Affairs, and Public Service. As the student's awareness of careers in these healthcare fields is broadened, he/she will develop an understanding of the necessary skills for success in a multitude of people-service professions. This is a classroom based course where students have an opportunity to research health-related fields and meet with professionals associated with a variety of career options.

Students could earn their CPR certification in this course.

**WELLNESS 10-12****Course Number: 909****Prerequisite: None****Credit/Term: .50/sem.****Grade Level: 10-12**

**Description:** This course is an alternative course to traditional physical education, placing special emphasis on improving and enhancing the students' wellness and fitness level. Students aspiring to lose weight with body toning, and improve or enhance personal wellness are encouraged to enroll in this course. This course is designed for those who have a good understanding of the basic yoga postures and alignment, and have explored a variety of poses and sequences. Activities may also include: yoga, Pilates, movement/gymnastics, body sculpting, mindfulness, cardiovascular fitness, individual sports and water aerobics. Wellness is a state of optimal well-being that is oriented toward maximizing an individual's potential. Each activity is designed as a learning experience to help students discover the amazing capabilities of the human body. As students cultivate through the semester, they will obtain the benefits of flexibility, core strength, improved posture, decreased stress levels, and muscle definition and confidence.

**PARTNER'S PHYSICAL EDUCATION**  
**Course Number: 910**  
**Prerequisite: Application; Teacher recommendation**

**Credit/Term: .50/sem.**  
**Grade Level: 10-12**

**Description:** This course is designed for students to work together to fulfill the needs of all individuals with various ability levels within all typical physical education class activities including but not limited to individual sports, team sports, and swimming. In addition to physical activities, students will engage in social and team building activities. Students in this class who may have any physical or cognitive difficulties can also benefit from the added physical activity taking place in a less restrictive class. Every attempt is made to design activities so that every student with varying ability levels has a partner working alongside him/her to complete a common goal or project. Students enrolling in Partners P.E. should develop partnerships that transcend this class.

**HONORS EXERCISE/SPORTS PHYSIOLOGY**  
**Course Number: 404**  
**Prerequisite: Honors Anatomy & Physiology**

**Credit/Term: .50/sem.**  
**Grade Level: 12**

**Description:** The exercise science class prepares students through the study of human movement to pursue careers in health and fitness, corporate wellness, research, clinical and strength and conditioning industries. While interest in fitness and health has continued to grow, professionals in exercise science serve to optimize exercise, physical activity, and lifestyle management for all people. Exercise Science also prepares students for studies in exercise physiology, physical therapy and occupational therapy as well as for medical school, pharmacy school, chiropractic school, a career as a physician's assistant, and many other opportunities. Topics covered in Honors Anatomy and Physiology will be utilized in this course. Students will also learn new topics/concepts of anatomy and physiology.

# STEEL CENTER FOR CAREER AND TECHNICAL EDUCATION

## PA DEPARTMENT OF EDUCATION PROGRAMS OF STUDY

In accordance with the Carl D. Perkins Career and Technical Education Improvement Act of 2006 (Act), all Postsecondary Institutions receiving funds under the Act are required to award **college-level credit or equivalent clock hours** to a matriculated student and apply that credit toward the completion of the approved Pennsylvania Department of Education (PDE) Program of Study, leading to an industry- recognized credential or certificate **at the postsecondary level, or an associate or baccalaureate degree**. The purpose of this Agreement is to ensure that students make the transition from a school entity (**Steel Center**) to another school entity, college or university or a business/industry without experiencing delays in or duplication of learning. This Agreement sets forth the terms and conditions for the awarding of college-level credit or equivalent clock hours to students who complete the approved PDE Program of Study at a Secondary School so that those students can seamlessly continue their education in a related Program of Study at a Postsecondary Institution. This agreement outlines the general conditions between secondary and postsecondary institutions.

## STEEL CENTER CAREER MAJORS (CIP CODES)

Steel Center offers 18 career majors. Each major is based on state and/or locally approved curricula, inclusive of written (theoretical) activities, performance tasks, demonstration of work ethic, and professionalism. For each major, students may earn three (3) or more Carnegie Units (credits) per year, depending on local sending school district policies for credit acquisition. Students may also earn industry certifications in respective programs. Steel Center's career majors are as follows, listed alphabetically by local title and accompanied by Pennsylvania Classification of Instructional Program (CIP) codes:

### Advertising & Design (Program of Study)

**Grades 10-12**

*CIP Code: 50.0402, 3 or more credits/year.*

**Industry Certifications Available:** Adobe Certified Associate CS6 Photoshop, InDesign, Illustrator, & Pennsylvania Skills Certification

An instructional program in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of printed media. This program includes instruction in concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics.

### Automotive Technology (Program of Study)

Grades 10-12

*CIP Code: 47.0604, 3 or more credits/year.*

**Industry Certifications Available:** Pennsylvania State Automotive Safety Inspection, Pennsylvania State Emissions Inspection and EPA, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills to engage in the servicing and maintenance of all types of automobiles and light trucks. This program includes instruction in the diagnosis and testing, including computer analysis, of malfunctions in and repair of engines, fuel, electrical, cooling and brake systems and drive train and suspension systems. Instruction is also given in the adjustment and repair of individual components and systems such as cooling systems, drive trains, fuel system components and air conditioning and includes the use of technical repair information and the state inspection procedures.

### Baking/Pastry Chef (Program of Study)

Grades 10-12

*CIP Code: 12.0501, 3 or more credits/year.*

**Industry Certifications Available:** ServSafe Manager Food Safety, ServSafe Food Handler, S/P2 Culinary Safety and Pollution Prevention, & Pennsylvania Skills Certification

Specialized classroom and practical work experiences associated with the preparation of breads, crackers, cakes, pies, pastries and other bakery products for retail distribution, for consumption in a commercial food service establishment or for special functions. Instruction includes making, freezing and handling of bake products; decorating; counter display; and packaging of merchandise. This is a comprehensive program to prepare individuals for employment in a variety of occupations in the baking industry.

### Building Trades Maintenance (Program of Study)

Grades 10-12

*CIP Code: 46.0401, 3 or more credits/year.*

**Industry Certifications Available:** Pennsylvania Builders Association Certification (PBA), OSHA-10 Hour Training CareerSafe, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills to keep a building functioning, and to serve a variety of structures including commercial and industrial buildings and mobile homes. Instruction includes the basics of carpentry, millwork, plumbing, painting, glazing, electricity, plastering, welding, minor sheet metal, concreting, bricklaying, tile setting, hardware usage, heating, ventilation, waterproofing, roofing and record keeping.

### Carpentry (Program of Study)

Grades 10-12

*CIP Code: 46.0201, 3 or more credits/year.*

**Industry Certifications Available:** Pennsylvania Builders Association Certification (PBA), OSHA 10 Hour Training CareerSafe, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install and repair structures and fixtures using hand and power tools. This program includes instruction in common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

## Collision Repair and Refinishing (Program of Study)

Grades 10-12

*CIP Code: 47.0603, 3 or more credits/year.*

**Industry Certifications Available:** S/P2 Collision Safety and Pollution Prevention, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills to repair damaged automotive vehicles such as automobiles and light trucks. Students learn to examine damaged vehicles and estimate cost of repairs; remove, repair and replace upholstery, accessories, electrical and hydraulic window and seat operating equipment and trim to gain access to vehicle body and fenders; remove and replace glass; repair dented areas; replace excessively damaged fenders, panels and grills; straighten bent frames or unibody structures using hydraulic jacks and pulling devices; and file, grind and sand repaired surfaces using power tools and hand tools. Students refinish repaired surfaces by painting with primer and finish coat.

## Computer Technology (Program of Study)

Grades 10-12

*CIP Code: 15.1202, 3 or more credits/year.*

**Industry Certifications Available:** A+ Certification, Network+ Certification, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply basic engineering principles and technical skills in support of professionals who use computer systems. This program includes instruction in basic computer design and architecture, programming, problems of specific computer application, component and system maintenance and inspection procedures, hardware and software problem diagnosis and repair and report preparation.

## Cosmetology

Grades 10-12

*(Tech Prep Articulation Agreement with Douglas Education Center)*

*CIP Code: 12.0401, 3 or more credits/year.*

**Industry Certifications Available:** Cosmetology License, Manicurist, Esthetician, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills related to experiences in a variety of beauty treatments including the care and beautification of the hair, complexion and hands. Instruction includes training in giving shampoos, rinses and scalp treatments; hair styling, setting, cutting, dyeing, tinting and bleaching; permanent waving; facials; manicuring; and hand and arm massaging. Bacteriology, anatomy, hygiene, sanitation, salon management including record keeping and customer relations are also emphasized. Instruction is designed to qualify pupils for the licensing examination.

### Culinary Arts (Program of Study)

Grades 10-12

*CIP Code: 12.0508, 3 or more credits/year.*

**Industry Certifications Available:** ServSafe Manager Food Safety, ServSafe Food Handler, S/P2 Culinary Safety and Pollution Prevention, & Pennsylvania Skills Certification

An instructional program that prepares students for employment related to institutional, commercial or self-owned food establishments or other food industry occupations. Instruction and specialized learning experiences include theory, laboratory and work experience related to planning, selecting, preparing and serving of quantity food and food products; nutritive values; use and care of commercial equipment; safety; and sanitation precautions. Instruction skills are provided to individuals desiring to become employed in all areas of the food service industry at entry level.

### Diesel Technology (Program of Study)

Grades 10-12

*CIP Code: 47.0613, 3 or more credits/year.*

**Industry Certifications Available:** Pennsylvania State Automotive Safety Inspection, Pennsylvania State Emissions Inspection and EPA, SP/2 Heavy Duty Safety and Pollution Prevention, & Pennsylvania Skills Certification

A program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses, and other commercial and industrial vehicles. Includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary equipment installation and repair.

### Electrical Construction (Program of Study)

Grades 10-12

*CIP Code: 46.0399, 3 or more credit/year.*

**Industry Certifications Available:** Pennsylvania Builders Association Certification (PBA) & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills necessary to install, operate, maintain and repair electrically-energized residential, commercial and industrial systems, and DC and AC motors, controls and electrical distribution panels. Instruction emphasizes practical application of mathematics, science, circuit diagrams and use of electrical codes and includes blueprint reading, sketching and other subjects essential for employment in the electrical occupations. Reading and interpretation of commercial and residential construction wiring codes and specifications, installation and maintenance of wiring, service and distribution networks within large construction complexes are also critical components of the program.

## Exercise Science and Rehabilitation Services (Tech Prep)

Grades 10-12

*CIP Code: 51.2604, 3 or more credits/year.*

**Industry Certifications Available:** To be determined, but may include the following: American Heart Association (AHA) Heartsaver First Aid, AHA CPR, HIPAA Certification, American Medication Certification Association (AMCA) Physical Therapy Aide, & Pennsylvania Skills Certification

A program that prepares individuals to assist in rehabilitation services under the supervision of physical therapists, occupational therapists, speech-language pathologists, and other therapeutic professionals, and to perform routine functions in support of rehabilitation. Includes instruction in roles and responsibilities of rehabilitation providers, basic function of the human body, disabling conditions, therapeutic skills, client management, and communication skills.

## Health Assistants (Program of Study)

Grades 10-12

*CIP Code: 51.0899, 3 or more credits/year.*

**Industry Certifications Available:** Patient Care Technician/PCT, Basic Life Support Health Care Providers, & Pennsylvania Skills Certification

A cluster program with a combination of subject matter and experiences designed to prepare individuals for entry-level employment in a minimum of three related health occupations under the supervision of a licensed healthcare professional. Instruction consists of core course content with clinical experiences in one or two health related occupations. The core curriculum consists of planned courses for introduction of health careers, basic anatomy and physiology, medical terminology, legal and ethical aspects of health care and communications and at least three planned courses for the knowledge and skills for the occupational area such as medical assisting, ward clerk, nursing assisting, etc.

## Heating, Ventilation, Air Conditioning & Refrigeration (Program of Study)

Grades 10-12

*CIP Code: 47.0201, 3 or more credits/year.*

**Industry Certifications Available:** EPA 608 Technician Certification, Pennsylvania Builders Association Certification (PBA), & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills to install, repair and maintain commercial and domestic heating, air conditioning and refrigeration systems. Instruction includes theory and application of basic principles involved in conditioning of air (cooling and heating); filtering and controlling humidity; operating characteristics of various units and parts; blueprint reading; use of technical reference manuals; the diagnosis of malfunctions; overhaul, repair and adjustment of units and parts such as pumps, compressors, valves, springs and connections; and repair of electric/electronic and pneumatic control systems.

## Medical Professions (Program of Study)

Grades 10-12

*CIP Code: 51.9999, 3 or more credits/year.*

**Industry Certifications Available:** To be determined, but may include the following: Basic Life Support (BLS), Pharmacy Technician (CPhT), EKG Technician (CET), Phlebotomy Technician (CPT), Nurse Technician (CNT), & Pennsylvania Skills Certification

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

## Public Safety (Tech Prep)

Grades 10-12

*CIP Code: 51.0904, 3 or more credits/year.*

**Industry Certifications Available:** Emergency Medication Technician, National Incident Management System, Basic Life Support Health Care Providers, Hazardous Materials Response Awareness, & Pennsylvania Skills Certification

A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in prehospital settings and to supervise ambulance personnel. Students will learn about basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations. Students will also learn fundamentals of police operations and fire protection, as well as technical and vehicle rescue. Physical development and self-confidence are emphasized due to the nature of the specific occupation(s) associated with public safety.

## Veterinary Assistant (Program of Study)

Grades 10-12

*CIP Code: 51.0808, 3 or more credits/year.*

**Industry Certifications Available:** To be determined, but may include the following: OSHA-10 Health Careers, CPR, Pet Tech First Aid, Purina Weight Coach, & Pennsylvania Skills Certification

An instructional program that prepares individuals to support veterinarians by providing assistance during animal examinations, treatment administration and monitoring; by keeping animal and related health record information; and by performing a range of selected practice-related duties. This program is designed to provide instruction in preparing the animal for examination and treatment, sterilizing equipment and performing selected routine laboratory procedures under direct supervision of the veterinarian. Instruction also includes maintaining medical and business records, charting and scheduling activities and a wide range of practice-related duties as applied to animal health care, the biomedical field and the pet industry. The health occupational planned courses include the study of life sciences with emphasis on animal anatomy, physiology, diseases, reproduction, genetics, nutrition, animal laboratory procedures, aseptic technique, OSHA regulations, infection control and procedures. Clinical education is an integral part of the program. Science and math taught by certificated science and math teachers will be coordinated and deemed essential for students to successfully reach their career objectives.

## Welding (Program of Study)

Grades 10-12

*CIP Code: 48.0508, 3 or more credits/year.*

**Industry Certifications Available:** AWS Certification, SP/2 Welding Safety Pollution and Prevention, & Pennsylvania Skills Certification

An instructional program that prepares individuals to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semi-automatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society, American Society of Mechanical Engineers and American Bureau of Ships.

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## WORK RELEASE

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### PROGRAM DESCRIPTION

- Seniors who are gainfully employed at least 15 hours per week are eligible to apply for the Work Release program. Students should be aware that Work Release will not be graded and that no credit will be awarded.
- In order to qualify for this program, a student must have 19 credits completed by the start of senior year and must not be credit deficient by the end of his or her senior year, assuming successful completion of the courses in which (s)he is currently enrolled.
- Students must maintain passing grades in each of the courses in which they are currently enrolled to maintain their work release.
- It is the responsibility of the student to find and maintain a job. Failure to do so will result in the student being dropped from the program and returned to a full schedule at the High School. This will be monitored by the student's school counselor.
- Students' participation is a privilege and can be revoked by the Principal and/or designee at any time.
- Should a student's work release be revoked after the add/drop period has ended within a given semester and study halls will be assigned.
- Students may leave after period 6 or period 7.

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## SCHEDULING FOR GRADES 7 AND 8

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Students in grades 7 and 8 follow a scheduling format which includes English Language Arts, Social Studies, Mathematics, Science, Foreign Language, Unified Arts, Physical Education, an Elective, and Lunch.

The students in 7th and 8th grade will have the opportunity to choose a Music Elective (Band, Chorus, Orchestra) or Study Hall class that will alternate with their Physical Education course. Some eighth grade students will have an additional selection. Those who have completed the Foreign Language Experience (FLEX) in grade seven will choose their first level Foreign Language course in eighth grade (French, German, or Spanish).

Teachers of English Language Arts (ELA) and Math will use a variety of measurements such as standardized tests, academic class performance, and local assessments to determine the most appropriate recommendation for student placement into these courses.

All students will be scheduled for the Social Studies and Science courses that match the grade level in which they are enrolled.

Students who qualify for Special Education Services and/or English as a Second Language Services will be placed in accordance with individual testing and goal development.

## ENGLISH LANGUAGE ARTS

**English Language Arts - 7** Seventh grade English Language Arts is a two-semester course in which students will learn basic skills in reading, writing, and oral communication. The literature study revolves around reading, interpreting, and analyzing short stories, novels, dramas, poetry, and nonfiction. Writing skills enable students to produce a single and multi-paragraph essay. Students will also prepare and present speeches in this course. Students combine the aforementioned skills to engage in a research project following a prescribed method of information gathering and culminating in a paper and an oral presentation. The core of instruction for each unit will be based on specific Common Core, PA Academic Standards. The themes will be based on ideas that help students make sense of confusing experiences and seemingly isolated facts.

**English Language Arts - 8** The overarching focus for ELA 8 is on building students' literacy skills as they develop knowledge about a complex and diverse world through the study of literature and writing. Eighth grade English Language Arts is a two-semester course in which students will build on the basic skills of reading, writing, vocabulary development, research, and oral communication taught in Seventh grade ELA. In eighth grade ELA, the focus of instruction revolves around strengthening/developing the skill of analysis. Through the study of fiction, literary nonfiction, and language, eighth-grade students will work to produce both informal and formal pieces of writing on a daily, weekly, and monthly basis. Students will also conduct inquiry-based mini-research projects throughout the course to develop/strengthen research skills. The core of instruction for each unit will be based on specific Common Core, PA Academic Standards in preparation for the PSSA. More importantly, though, students will explore complex themes/ideas in order to learn to develop critical thinking/analytical skills.

## SOCIAL STUDIES

**Social Studies - 7** The seventh grade World History course is a year-long study of prehistory and early humans and continues with the ancient civilizations of the world. The primary resource that will be utilized is McGraw-Hill: A History of the World. Students will trace the development of human existence through the cultural and historical contributions of the early empires of the River Valleys, Asia, Greece, and Rome. The course concludes with a study of the emergence of Modern Europe through the middle ages. The course focuses on the development of mapping and analytic skills, citizenship and career readiness, historical thinking, use of primary sources, and impact on modern society.

**Social Studies - 8** The eighth grade U.S. History course is a year-long course that traces the events and people that led to the creation of the United States of America and its history through 1861. The primary resource that will be utilized is McGraw Hill; A History of the United States. Throughout the course, the strands of citizenship, history, geography, and economics are woven into the student knowledge base. The students are also given opportunities to develop and sharpen their critical thinking skills. Major topics of the course include: Colonial America; Seeds of the American Revolution; The Revolutionary War; A More Perfect Union; The United States Constitution; The Federalist Era; The Jeffersonian and Jackson Eras; and the Causes of the Civil War.

## MATHEMATICS

**Mathematics 7** fully explores and extends algebraic and geometric topics from Mathematics 6. Students' understanding of whole numbers, decimals, and fractions is expanded to include the study of integers and negative decimals and fractions (rational numbers). Students construct, use, and explain procedures for computing and estimating with rational numbers. Understanding and applications of ratio, proportions, similarity, and percent are developed. Geometry topics explored include classification of polygons, area, surface area and volume. Knowledge of equations and graphing in the coordinate plane are connected. Throughout the course problem solving,

reasoning, and communication of mathematical ideas are emphasized.

**Mathematics 8** continues to explore algebraic and geometric concepts utilizing real-world applications to enhance the development of a concept. The algebra strand is the primary focus of the course and includes topics such as linear equations, systems of equations, relations and functions, and properties of exponents. Students explore the concept of functions and begin their analysis of slope. Within the geometry strand, foundational concepts such as the Pythagorean Theorem, distance, and transformations are introduced. Students also investigate probability, proportional reasoning applications, and data analysis in the statistics strand.

**Algebra** - This course develops skills and concepts necessary for students to succeed in subsequent math and science courses and is aligned to Algebra I Keystone Anchors. This course begins with a review of order of operations, evaluating expressions, solving one-step and multi-step equations, and functions. Students will progress to new topics that will include coordinate geometry, systems of linear equations and inequalities, exponents, polynomials, data analysis and probability. Students will explore application problems that focus on developing problem solving skills.

## **SCIENCE**

**Integrated Science - 7** The focus of this class is to use Scientific Inquiry with an overview of all Science disciplines. The students will review the Nature of Science and learn how to design an effective experiment. They will practice using the Scientific Method in order to answer questions and to solve problems. They will also be introduced to basic Physics and learn about Motion and Energy. Afterwards, the students will learn about Chemistry and Matter. During the unit on Earth's history, the students will learn the rock cycle and types of rock, including what rocks tell us about the past. The students will learn how and why the Earth changes through events like earthquakes and volcanoes. Finally, they will learn how the Earth interacts with the Universe and about Cells and their function in the body. The major units are as follows: 1. Nature of Science 2. Motion and Energy 3. Interactions of Matter 4. Understanding the Atom 5. Earth and Geologic Changes 6. Understanding the Universe 7. Cells

**Pre-Biology/Integrated Science - 8** In 8th grade science, students will build on the skills that they learned in 6th and 7th grade. Students will continue to study a broad range of topics that integrates different branches of science, including Biology, Physical Science, and Earth Science. All 8th Grade Science content will focus on an integrated collaboration of STEAM: Science, Technology, Engineering, Arts and Mathematics. The major units are as follows: Unit 1: Nature of Science, Unit 2: Life: Structure and Function, Unit 3: Life: Changes and interactions Unit 4: Energy and Matter, and Unit 5: Earth: a Dynamic Planet

## **FOREIGN LANGUAGE**

**FLEX Language - 7th & 8th Grade** Foreign Language Exploratory is a "sampler" course of three languages; French, German & Spanish. The students will rotate through one nine weeks of each language. FLEX language is a great exposure to many cultures, basic conversational skills and vocabulary. It also gives the students an opportunity to make a choice as to which language to study further. During the 4th nine weeks in FLEX, the students will participate in our Cultural Maker Space sessions. During each maker space session, the students will work together to research and solve problems/issues affecting the target language countries, and construct hands-on projects to show their findings.

**Spanish I** is designed for students to begin a formal study of the Spanish language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based classroom activities. Basic conversational vocabulary and grammar are stressed. Authentic materials, digital resources and culture are

integral parts of the course as well.

**French I** is designed for students to begin a formal study of the French language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based activities. Basic conversational vocabulary and grammar are stressed. Authentic materials and culture are integral parts of this course as well.

**German I** is designed for students to begin a formal study of the German language and culture. Developing world language skills and establishing a solid base for further language study are additional goals of this course. The interactive approach in this course encourages oral proficiency, attentive listening, accurate writing, and reading for comprehension through diverse, proficiency-based classroom and computer lab activities. Basic conversational vocabulary and grammar are stressed. Authentic materials and culture are integral parts of the course as well.

## **UNIFIED ARTS**

**Business, Computers, Information Technology (BCIT)- 7** BCIT 7 is a quarter long course that is designed to give students a working understanding of Google Sheets. Google Sheets can be accessed on any device for which you have Internet access. Google Sheets is very similar to Microsoft Excel, and gives the student the ability to create professional spreadsheets, understand proper formatting skills, use formulas, calculate data, and create charts and graphs.

**General Music - 7** This is a one-quarter course and is a part of the Encore class rotation. The 7th grade general music curriculum takes an in-depth look at how music relates to other subject areas. Throughout the 9 weeks, students will look at the correlations between music and media, acoustics, language, history and technology. Along with the project-based learning that will take place in the general music curriculum, students will also spend time learning the basics of playing the piano keyboard and/or the ukulele.

**Technology Education-7** TechEd is a quarter-long course that is designed to give students the experience in creating, developing, and programming a workable mobile Application (APP). The course is based around the four pillars of TechEd: Define, Prepare, Try, and Reflect. The course prepares students to explore and develop an understanding of technology while enhancing their problem-solving skill set. Students will develop their first app while learning both fundamental programming concepts and the software development process.

**Visual Art Explorations - 7** The visual arts course at the 7th grade level is designed to expand on the knowledge that students have gained in their previous art experiences. Students will be exposed to a more advanced use of the Elements of Art and Principles of Design, and will utilize a variety of materials with a higher level of difficulty. This course will assist students as they continue in the development of their observation, interpretation, and problem-solving abilities by introducing more advanced media and projects. At this level, the students will work to improve their artistic skills as well as continue in the growth of their creative thinking abilities.

**Business, Computers, Information Technology (BCIT)- 8** BCIT 8 is designed to give students experience navigating and creating documents in several platforms within Google. Students will create a mock restaurant during the journey establishing many different types of advertising documents and publications. The course culminates with the creation and design of a website utilizing all previously created marketing and promotional items.

**Creative Art Explorations- 8** The visual arts course at the 8<sup>th</sup> grade level is designed to expand on the knowledge that students have gained in their previous art experiences. Students will be exposed to a more advanced use of the Elements of Art and Principles of Design, and will utilize a variety of materials with a higher level of difficulty. Students will be expected to utilize their previous knowledge of two and three-dimensional techniques as they work through each problem. This course will assist students as they continue in the development of their observation, interpretation, and problem-solving abilities by introducing

more advanced media and projects. At this level, the students will work to improve their artistic skills as well as continue in the growth of their creative thinking abilities.

**Science, Technology, Engineering and Math (STEM) - 8** STEM is the integration of Science, Technology, Engineering and Math. During the 9 week STEM 8 course, students will utilize the 21st century skills of teamwork, collaboration, creativity, critical thinking and communication. Students will also incorporate various STEM skill sets and will emphasize the Engineering and Design Process in order to engage in problem and project-based learning opportunities.

**Technology Education - 8** TechEd is a quarter-long course that is designed to give students the experience in creating, developing, and programming a workable mobile Application (APP). The course is based around the four pillars of TechEd: Define, Prepare, Try, and Reflect. The course prepares students to explore and develop an understanding of technology while enhancing their problem-solving skill set. Students will develop their first app while learning both fundamental programming concepts and the software development process.

## **PHYSICAL EDUCATION**

7th and 8th grade Physical Education offers a variety of activities that students can select from throughout the course of the year. Students will periodically be able to select from the following options:

**Team Sports** includes: Basketball, Football, Hockey, Soccer, Softball, Volleyball. These competitive tournament–style activities are designed to promote leisure-time activities and an awareness of the importance of good personal fitness.

**Strength Training** includes: Plyometric training, Circuit training, Flexibility Training, Speed and Agility Training, and Weight Lifting. This option will increase the student’s strength, improve flexibility, agility, and the efficiency of their cardiovascular system while promoting an understanding of the muscle groups and exercise physiology.

**Wellness through Fitness** includes: Yoga, Pilates, Aerobic Dance, Aerobic activities, Movement/Gymnastics, Body Sculpting. Students aspiring to lose weight with body toning, and improve or enhance personal wellness are encouraged to enroll in this course.

**Physical Education** includes: Varieties of team sports, cardiovascular training, upper, lower body and core strength training, large group games. These activities are not only concerned with the present development of the students, but also are designed to promote leisure-time activities and an awareness of personal fitness as they continue into adolescence.

**Partners P.E.** This specifically designed course is to promote an inclusive environment within the physical education program for students who are interested in taking on a leadership role with their peers and for students who may have restrictions that would not allow them to participate in the unrestricted physical education program. As a Partner, students are expected to be positive role models and student leaders among their peers and Athletes. Both Partners and Athletes will work together to fulfill all the course requirements. All students will be graded on participation and cooperation with others.

## **ELECTIVES**

**Band - 7** Band is an elective course. This class meets on an A/B schedule (every other day) opposite physical education. This is a performance-based ensemble for students who play a woodwind, brass, or percussion instrument. Students should have participated in a band class in previous school year(s) since the course builds upon skills learned in 6th grade band (special exceptions can be made upon request with the instructor if the student did not take band in 6th grade). Throughout this course, students will develop their instrument playing skills through technique exercises (i.e. scales) and the preparation and performance of a variety of different concert band music pieces. There are requirements to attend performances throughout the school year. Additional performance opportunities, including field trips, may be available but will not be a requirement.

**Band - 8** Band is an elective course. This class meets on an A/B schedule (every other day) opposite physical education. This is a performance-based ensemble for students who play a woodwind, brass, or percussion instrument. Students should have participated in a band class in previous school year(s) since the course builds upon skills learned in 7th grade band (special exceptions can be made upon request with the instructor if the student did not take band in 6th grade). Throughout this course, students will develop their instrument playing skills through technique exercises (i.e. scales) and the preparation and performance of a variety of different concert band music pieces. There are requirements to attend performances throughout the school year. Additional performance opportunities, including field trips, may be available but will not be a requirement.

**Orchestra - 7 and 8** Orchestra is an elective course. This class meets on an A/B schedule (every other day) opposite physical education. This is a performance-based ensemble for students who play a stringed instrument: violin, viola, cello, or string bass. Students should have participated in an orchestra class in previous school year(s) since the course builds upon skills learned in 6th/7th grade orchestra (special exceptions can be made upon request with the instructor if the student did not take orchestra in the previous school year). Throughout this course, students will develop their instrument playing skills through technique exercises (i.e. scales) and the preparation and performance of a variety of different string orchestra music pieces. There are requirements to attend performances throughout the school year. Additional performance opportunities, including field trips, may be available but will not be a requirement.

**Chorus - 7 and 8** Chorus is an elective course in 7th and 8th grade. This class meets on an A/B schedule (every other day) opposite physical education. Students in chorus will participate in singing a variety of music and musical styles, sight reading activities and movement. There is a requirement to attend two performances per year, one winter and one spring. Additional performance opportunities, including field trips, may be available but will not be a requirement.

**Study Hall- 7 and 8** Study Hall is an opportunity for students to use their time wisely to complete work and study. This class meets on an A/B schedule (every other day) opposite physical education.

# Baldwin-Whitehall School District

## Board of School Directors

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**Peter D. Giglione**, 1<sup>st</sup> Vice President

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## District Administration

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**Dr. Janeen M. Peretin**, Director of Communication,  
Innovation & Advancement

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**Andrea T. Huffman**, Director of Elementary Education

**Marissa A. Gallagher**, Director of Student Services

**Rachel L. Sprouse**, Director of Employee Services

**Randy G. Huddart**, Facilities Manager

**Joyce E. Weber**, Food Service Director

## Building Administration

### Baldwin High School (7-12)

**412-885-7500**

Shaun A. Tomaszewski, Principal (7-12)

Candee A. Morris, Assistant Principal (9-12)

Jonathan W. Peebles, Assistant Principal (9-12)

John M. Saras, Asst. Principal (9-12)/

Athletic Coordinator (7-12)

Scott D. Ross, Assistant Principal (7-8)

Alicia N. Johnson, Assistant Principal (7-8)

### McAnnulty Elementary School (K-1)

**412-714-2020**

Heatherlyn D. Wessel, Principal

### J.E. Harrison Education Center (K-6)

**412-885-7530**

Patricia J. Fusco, Principal

Adam Foote, Assistant to the Elementary Principal

Melissa Ferguson, Asst. to the Elementary Principal

### Whitehall Elementary School (2-5)

**412-885-7525**

Dr. Kara E. Eckert, Principal

Laurel Newberry, Assistant Principal



*It is the policy of the Baldwin-Whitehall School District not to discriminate on the basis of race, color, religion, sex, ancestry, national origin, age, handicap or disability, or status as a Vietnam-era or special disabled veteran in accordance with applicable federal and state laws, including the Equal Pay Act of 1963, Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans Readjustment Assistance Act of 1974, the Age Discrimination in Employment Act of 1975, the Americans with Disabilities Act of 1991, Pennsylvania Human Relations Act, and the Pennsylvania Equal Pay Act. For information about your rights or grievance procedures contact the Superintendent of Schools, 4900 Curry Road, Pittsburgh, PA 15236, or call 412-884-6300 x7241.*

10/8/2020





**2021-2022 BALDWIN HIGH SCHOOL COURSE SELECTION GUIDE – Refer to Course Catalog for Course Info**

<b>SUBJECT</b>	<b>CREDITS REQUIRED</b>	<b>GRADE 9 CLASS OF 2025</b>	<b>GRADE 10 CLASS OF 2024</b>	<b>GRADE 11 CLASS OF 2023</b>	<b>GRADE 12 CLASS OF 2022</b>
<b>ENGLISH</b> Teacher Recommendation	4 cr.	102 English 9 103 H English 9	107 English 10 108 H English 10	111 English 11 114 AP Eng Lang & Comp	119 Eng 12 Challenging Canon 118 AP English Lit & Comp 123 CHS Lit & Philosophy 170 Phil Humanities (Fall) 171 Brit Sports Lit (Fall) 174 Divergent Lit (Spring) 175 Sci Fi Fantasy (Spring) 176 Horror Suspense (Fall)
<b>SOCIAL STUDIES</b> Teacher Recommendation	3 cr.	201 US Hist & Gov 203 H US Hist & Gov	205 World History 206 AP World History	209 Mod US History 211 AP US History 221 AP Economics	Society & Careers Options 212 Mil/Trades/Empl (sem) 213 CHS: College (sem) 215 PartnerUp Pgh (year) 211 AP US History 219 AP US Govt & Policies 221 AP Economics 241 CHS European History
<b>MATHEMATICS</b> Teacher Recommendation	3 cr.	305 Algebra I 312 Geometry 313 H Geometry 323 H Algebra II 334 H Trig/Precalculus	305 Algebra I 312 Geometry 313 H Geometry 322 Algebra II 323 H Algebra II 334 H Trig/Precalculus 341 AP Calculus AB 351 AP Statistics 356 CHS Statistics	322 Algebra II 323 H Algebra II 333 College Algebra/Trig 334 H Trig/Precalculus 341 AP Calculus AB 342 AP Calculus BC 351 AP Statistics 356 CHS Statistics 326 Financial Literacy	322 Algebra II 323 H Algebra II 333 College Algebra/Trig 334 H Trig/Precalculus 341 AP Calculus AB 342 AP Calculus BC 351 AP Statistics 356 CHS Statistics 326 Financial Literacy 324 Financial Algebra
<b>SCIENCE</b> Teacher Recommendation	3 cr.	400 Integrated Science 402 Biology 403 H Biology/Lab	418 Applied Chemistry 411 Chemistry 412 H Chemistry/Lab 405 H Anat/Phys/Lab	420 Applied Physics 421 Physics 422 H Physics/Lab 425 AP Physics C/Lab 405 H Anat/Physiology/Lab 406 AP Biology/Lab 415 AP Chemistry/Lab 416 H Organic Chemistry 433 Earth Space Science	420 Applied Physics 421 Physics 422 H Physics/Lab 423 AP Physics 1/Lab 425 AP Physics C/Lab 405 H Anat/Physiology/Lab 404 H Exercise/Sports Phys 406 AP Biology/Lab 415 AP Chemistry/Lab 416 H Organic Chemistry 433 Earth Space Science
<b>WORLD LANGUAGES</b> Teacher Recommendation	Not Required; 2 years recommended for college admissions	500 Spanish I 501 Spanish II 506 French II 510 German I 511 German II 515 Latin I	500 Spanish I 501 Spanish II 502 Spanish III 506 French II 507 French III 510 German I 511 German II 512 German III 515 Latin I 516 Latin II	500 Spanish I 501 Spanish II 502 Spanish III 503 H Spanish IV 506 French II 507 French III 508 H French IV 510 German I 511 German II 512 German III 513 H German IV 515 Latin I 516 Latin II 517 Latin III	500 Spanish I 501 Spanish II 502 Spanish III 503 H Spanish IV 504 AP Span Lang Culture 506 French II 507 French III 508 H French IV 509 AP French Lang Culture 510 German I 511 German II 512 German III 513 H German IV 514 AP German Lang Culture 515 Latin I 516 Latin II 517 Latin III 518 CHS Latin IV
<b>TECHNOLOGY</b>	0.5 cr.	603 Intro Comp Science REQUIRED IN GR 9			
<b>PHYSICAL EDUCATION</b>	1 cr. (2 Courses)	900 PE 902 PE/Basic Swim 908 PE/Wellness 9 925 Strength Training	902 PE/Basic Swim 909 PE/Wellness 10-12 910 Partners PE 922 Team Sports 923 Lifeguarding/CPR 924 Outdoor Adventures 925 Strength Training 927 Health Sports Car	902 PE/Basic Swim 909 PE/Wellness 10-12 910 Partners PE 922 Team Sports 923 Lifeguarding/CPR 924 Outdoor Adventures 925 Strength Training 927 Health Sports Car	902 PE/Basic Swim 909 PE/Wellness 10-12 910 Partners PE 922 Team Sports 923 Lifeguarding/CPR 924 Outdoor Adventures 925 Strength Training 927 Health Sports Car 404 H Exercise Sports Phys
<b>HEALTH</b>	0.5 cr.		904 Health REQUIRED IN GR 10		
<b>LUNCH</b>	0 cr.	960 Lunch 9	961 Lunch 10	962 Lunch 11	963 Lunch 12
<b>TOTAL</b>	<b>24 credits</b>	<b>MIN = 6 MAX = 7</b>	<b>MIN = 6 MAX = 7</b>	<b>MIN = 6 MAX = 7</b>	<b>MIN = 6 MAX = 7</b>

**2021-2022 ELECTIVE COURSES**

**SEMESTER ELECTIVE COURSES**

COURSE	9	10	11	12	CR	COURSE	9	10	11	12	CR
126 Creative Writing	✓	✓	✓	✓	AH	714 CHS Digital Illustration	✓	✓	✓	✓	AH
127 Public Speaking	✓	✓	✓	✓	AH	715 CHS Digital Photography	✓	✓	✓	✓	AH
130 Intro. to Journalism	✓	✓	✓	✓	AH	724 Digital Photography II	✓	✓	✓	✓	AH
132 Newspaper (Full Year)		✓	✓	✓	AH	716 Metalsmithing I	✓	✓	✓	✓	AH
133 Newspaper (Semester)	✓	✓	✓	✓	AH	717 Metalsmithing II	✓	✓	✓	✓	AH
137 Theatre	✓	✓	✓	✓	AH	719 Wood Crafts I	✓	✓	✓	✓	AH
216 Psychology		✓	✓	✓	AH	721 Wood Crafts II	✓	✓	✓	✓	AH
217 Psychology of Personality		✓	✓	✓	AH	722 CHS Graphic Design I	✓	✓	✓	✓	AH
218 Intro. to Sociology		✓	✓	✓	AH	723 CHS Graphic Design II	✓	✓	✓	✓	AH
240 Leadership		✓	✓	✓	AH	725 Partners Studio Art	✓	✓	✓	✓	AH
604 Web Development	✓	✓	✓	✓	S	726 Art Design and Engineering	✓	✓	✓	✓	AH, S
607 Sports & Entertainment Marketing	✓	✓	✓	✓		740.5 Guitar	✓	✓	✓	✓	AH
608 Intro. to Business	✓	✓	✓	✓		741P Partners Music**	✓	✓	✓	✓	AH
610 Principles of Accounting I	✓	✓	✓	✓		745 Music Technology and Theory	✓	✓	✓	✓	AH
611 Principles of Accounting II	✓	✓	✓	✓		800 Fabrication and Engineering	✓	✓	✓	✓	AH, S
612 Social Media Marketing	✓	✓	✓	✓	S	807 Honors Fab Lab	✓	✓	✓	✓	AH, S
619 Entrepreneurship	✓	✓	✓	✓		812 Honors Robotics & Electronics	✓	✓	✓	✓	AH, S
620 Business & Personal Law	✓	✓	✓	✓		822 Video Production I	✓	✓	✓	✓	AH
625 Java Programming	✓	✓	✓	✓	S	823 CHS Video Production II	✓	✓	✓	✓	AH
626 Intro. to Game Programming	✓	✓	✓	✓	S	825 Fashion Design I	✓	✓	✓	✓	AH
628 Intro. to Python Programming	✓	✓	✓	✓	S	829 Adv. Fashion Design	✓	✓	✓	✓	AH
629 Python Programming II	✓	✓	✓	✓	S	837 Interior Design	✓	✓	✓	✓	AH
706 Crafts I	✓	✓	✓	✓	AH	828 Child Development		✓	✓	✓	AH
707 Crafts II	✓	✓	✓	✓	AH	827 Cooking Basics	✓	✓	✓	✓	AH
709 Ceramics I	✓	✓	✓	✓	AH	830 Nutrition and Foods	✓	✓	✓	✓	AH
710 Ceramics II	✓	✓	✓	✓	AH	831 Cooking Masters		✓	✓	✓	AH
712 Advanced Ceramics		✓	✓	✓	AH						

**FULL-YEAR ELECTIVE COURSES**

COURSE	9	10	11	12	CR	COURSE	9	10	11	12	CR
627 AP Computer Science Principles	✓	✓	✓	✓	S	736 Baldwin Chorus	✓	✓	✓	✓	AH
700 Studio Art I	✓	✓	✓	✓	AH	738 H Highlander Choir***		✓	✓	✓	AH
701 Studio Art II		✓	✓	✓	AH	741 Piano Class I	✓	✓	✓	✓	AH
702 Studio Art III			✓	✓	AH	742 Piano Class II		✓	✓	✓	AH
703 Studio Art IV				✓	AH	824 Production Studios**		✓	✓	✓	AH
726 Symphonic Band	✓	✓	✓	✓	AH	833 Preschool Education** 2 cr				✓	AH
727 Honors Wind Ensemble***	✓	✓	✓	✓	AH	953 Steel Center AM**		✓	✓	✓	AH, S
728 Honors Stage Band***	✓	✓	✓	✓	AH	957 Work Release (2 Pds.)** 0 cr				✓	
730 Orchestra	✓	✓	✓	✓	AH	959 Work Release Lunch (1 Pd.)**				✓	

Course Designations

**AH** - This course counts toward Arts & Humanities credits. Once the requirement is met courses count towards elective credits.  
World Language courses also count toward AH credits.

**AP** - Advanced Placement

**CHS** - College in High School

**S** - This course can count towards the STEM credit requirement.

\*\* Teacher recommendation and/or application required.

\*\*\* Audition required

