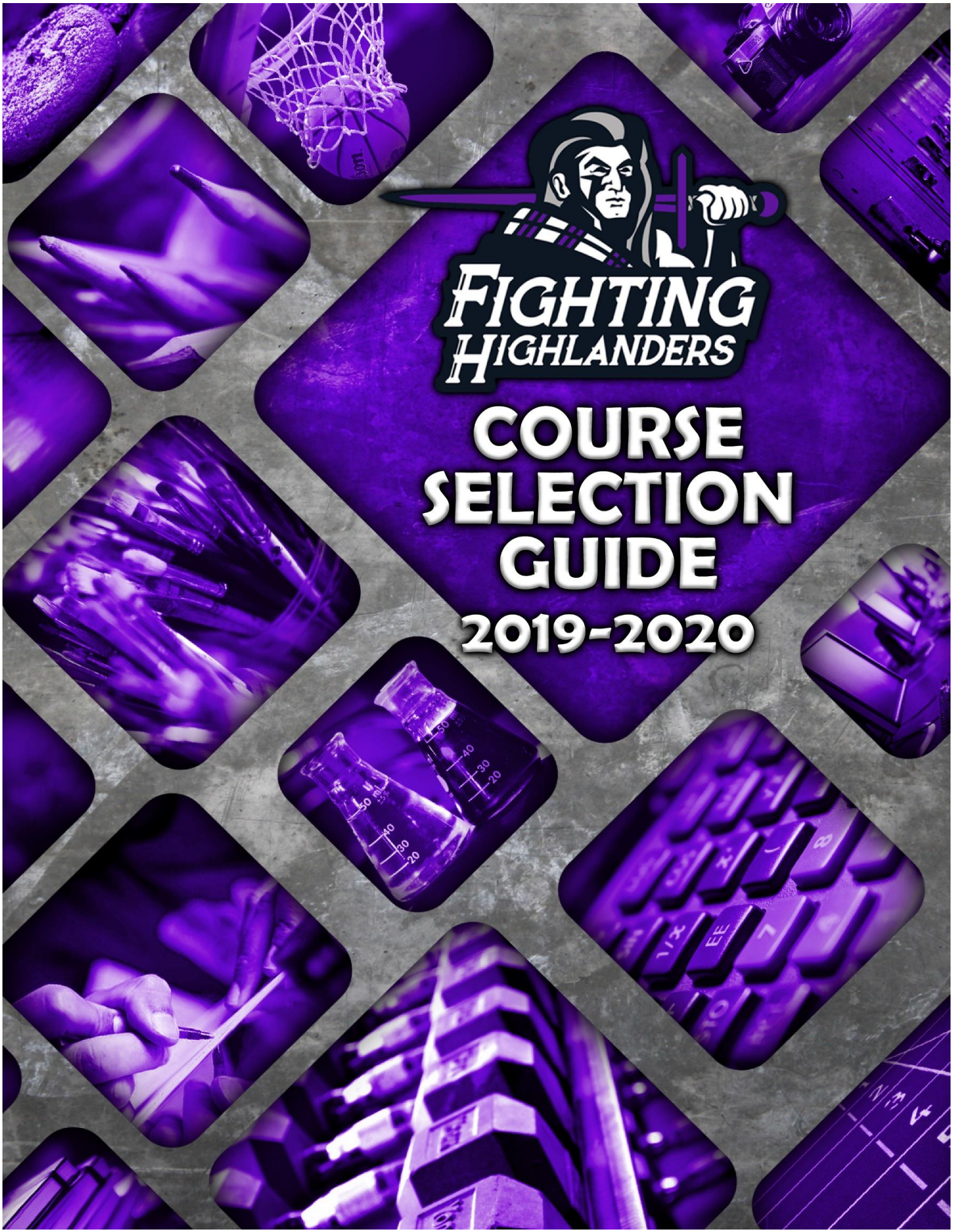

FIGHTING HIGHLANDERS

COURSE SELECTION GUIDE

2019-2020

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Assistant Principal
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Eric Jankoski
Allison Levy-Drake
Maryanne Schrader
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Leah Younkins

WORLD LANGUAGE
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Heather Clementoni*
Katie DeFazio
Will Dodds
Scott Hindman
Kathryn Streets
Rebecca Michalski

**Denotes Department Chair*

Making Sound Education and Career Cruising Choices

Arts and Communications

Business, Finance, and Information Technology

Health, Life, Physical, and Behavioral Sciences

Human Services, Education, and Government

Science, Technology, Engineering, and Mathematics

What is Career Cruising?

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 provides students information about their interests, experiences, and abilities, as well as related information about occupations, education and training programs, and financial aid.

What are Career Pathways?

Career pathways help students and their parents make informed decisions about careers, as well as the required coursework that prepares students for those careers. Each pathway consists of "career clusters" – flexible groupings of related careers. Students complete the Career Finder portion of Career Cruising and choose one or more Career Clusters of interest. Having completed the Career Finder portion of the program and chosen one or more Career Clusters, students can use this manual as a guide for course selection. The 16 National Career Clusters fall into one of five Baldwin-Whitehall Career Pathways and is also endorsed by the PA Career Standards.

What are Career Clusters?

A career cluster is group of careers that share common features. There are 16 Career Clusters in the National Career Clusters Framework representing nearly 100 Career Pathways. The clusters and pathways help students navigate their way to greater success in their post-secondary plans, understanding the necessary skills and education needed, while creating an individualized Career Mosaic

What is a Career Mosaic?

A career mosaic is an individualized portfolio of education, training, volunteer connections, part-time jobs, freelancing and career experiences. A vast majority of the jobs for Millennials have not been yet created! Each experience students have will create their career portfolio; let us help you start now.

Resources and information from:
https://careertech.org/career-clusters/, http://www.education.pa.gov/K-12/PACareerStandards/CareerPathways/Pages/default.aspx#tab-1 , www.knowledgeworks.org

How to use the Career Clusters and the Career Pathways to help build your Career Mosaic:

- Review the clusters and circle the ones you like.
- Look at each pathway to find where your cluster connects (not all clusters are highlighted in the five pathways, see your counselor if you need help exploring more).
- Review each pathway that interests you and pay particular attention to the courses that are suggested in each pathway.
- Choose courses that help you engage in your areas of interest and that will help you make decisions on your future career endeavors.
- Finally, review other sources, such as Career Cruising, to help you learn more about a career, a pathway, or cluster and make better decisions related to the courses and activities you choose.

CAREER PATHWAYS

PATHWAY: 1. ARTS AND COMMUNICATIONS

Career Pathway Description:

Careers in this cluster involve designing, producing, exhibiting, performing, writing and publishing multimedia content including visual and performing arts and design, journalism and entertainment services. These areas are designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.

Included Clusters:

Arts, AV Technology & Communications

Career Cluster Pathways:

Audio and Video Technology and Film, Printing Technology and Graphic Communication Technology, Visual Arts, Performing Arts, Journalism and Broadcasting, Telecommunications

ARTS AND COMMUNICATIONS

ENTRY LEVEL High School Education	TECHNICAL/ SKILLED 2 years or less of post-secondary training	PROFESSIONAL Bachelor's degree or higher
Actor	Advertising Copywriter	Anthropologist
Artist	Animator	Archaeologist
Audio Visual Technician	Announcer	Archivist
Interior Decorator	Audio Visual Technician	Art Music Therapist
Makeup Artist	Camera Operator	Art Dealer Art Director
Motivational Speaker	Fashion Designer	Conservator
Picture Framer	Graphic Designer	Curator
Sign Maker	Industrial Designer	Historian
Singer	Recording Engineer	Medical Illustrator
	Sound Technician	Museum Technician
	Video Game Developer	Publisher
		Sociologist
		Writer

RELATED BALDWIN HIGH SCHOOL COURSES

COURSE LISTS ARE NOT ALL-INCLUSIVE.

Advanced Ceramic Techniques
AP French Language & Culture
AP German Language & Culture
AP Spanish Language & Culture
Ceramics I, II, & Advanced
CHS Digital Illustration
CHS Digital Photography
CHS Graphic Design I & II
CHS Latin IV
CHS Video Production II
Cooking Masters
Crafts I & II
Creative Writing
Entrepreneurship
Fabrication & Engineering
French I, II, III
AP Computer Science
German I, II, III
Guitar
Highlander Choir
Honors French IV
Honors German IV
Honors Spanish IV
Intro. to Android App Development
Intro. to Game Programming
Intro. to Journalism
Intro. to Sociology
Latin I, II, & III
Leadership
Metalsmithing I & II
Newspaper
Orchestra
Partners Music
Piano Class I & II
Production Studios
Psychology
Psychology of Personality
Public Speaking
Spanish I, II, III
Sports and Entertainment Marketing
Steel Center for Career and Technical Education
Studio Art I, II, III, and IV
Symphonic Band: Brass/Woodwinds
Theatre
Video Production I
Visual Basics
Web Development
WEB Development
Wood Crafts I & II
Intro to Computer Science

PATHWAY: 2: BUSINESS, FINANCE, AND INFORMATION TECHNOLOGY

Career Pathway Description:

Careers in this cluster encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business, finance, and information technology career opportunities are available in every sector of the economy.

Included Clusters:

Business Management & Administration, Finance, and Information Technology

Career Cluster Pathways:

Business, Accounting, Banking, Finance, Insurance, Securities and Investments, Information Technology, Management, Human Resources, Operations, Network Systems, Programming and Software Development, Web and Digital Communications and Information Services

BUSINESS, FINANCE, AND INFORMATION TECHNOLOGY

ENTRY LEVEL High School Education	TECHNICAL/ SKILLED 2 years or less of post-secondary training	PROFESSIONAL Bachelor's degree or higher
Administrative Assistant	Accountant	Actuary
Bill and Account Collector	Bookkeeper	Business Systems Analyst
Computer Trainer	Computer Network Specialist	Database Developer
Desktop Publisher	Computer Programmer	Financial Manager
Entrepreneur	Construction Manager	Healthcare Administrator
Event Planner	Credit Counselor	Human Resource Specialist
Legal Secretary	Health Records Professional	Insurance Underwriter
Office Manager	Human Resource Specialist	IT Project Manager
Retail Buyer	Insurance Claim Adjuster	Money Manager
Stenographer	Interpreter	Research Analyst
Tax Preparer	Loan Officer	Venture Capitalist
	Stenographer	
	Technical Sales Representative	
	Title Examiner	

RELATED BALDWIN HIGH SCHOOL COURSES

COURSE LISTS ARE NOT ALL-INCLUSIVE.

AP Calculus AB
AP Calculus BC
AP computer Science Principles
AP Economics
AP French Language & Culture
AP German Language & Culture
AP Spanish Language & Culture
AP Statistics
Business and Personal Law
CHS Java Programming
CHS Statistics
Visual Basic
Cooking Masters

Creative Writing
Entrepreneurship
Fabrication & Engineering
Fashion Design I & II
Financial Algebra
French I, II, III
German I, II, III
Honors French IV
Honors German IV
Honors Spanish IV
Interior Design
International Business

Intro. to Android App Development
Intro. to Business
Intro. to Game Programming
Intro. to Python Programming
Leadership
Principles of Accounting I & II
Public Speaking
Society and Careers
Spanish I, II, III
Steel Center for Career and Technical Education
Web Development
Intro to Computer Science

PATHWAY: 3: HEALTH AND LIFE, PHYSICAL AND BEHAVIORAL SCIENCES

Career Pathway Description:

Careers in this cluster include health, life, physical, and behavioral sciences. In addition, the planning, managing, and providing of therapeutic services, diagnostic services, health information, and biochemistry research development.

Included Clusters:

Agriculture, Food & Natural Resources, and Health Sciences

Career Cluster Pathways:

Agriculture/Agribusiness Systems, Animal Systems, Environmental and Plant Systems, Food & Natural Resources, Health Science, Science, Technology, Engineering & Mathematics, Diagnostic and Therapeutic Services

HEALTH AND LIFE, PHYSICAL AND BEHAVIORAL SCIENCES

ENTRY LEVEL High School Education	TECHNICAL/ SKILLED 2 years or less of post-secondary training	PROFESSIONAL Bachelor's degree or higher
Animal Caretaker	Agriculture Technician	Acupuncturist
Animal Service Worker	Biological Technician	Agriculture Engineer
Aquaculturist	Cardiovascular Technician	Animal Caretaker
Butcher	Civil Engineer Technician	Anesthesiologist
Dental Assistant	Conservation Officer	Audiologist
Farm Equipment Operator	Diagnostic Medical Sonographer	Biotechnologist
Fitness Instructor	Licensed Practical Nurse	Brewmaster
Medical Secretary	Massage Therapist	Conservation Officer
Optical / Ophthalmic Lab Tech	Medical Imaging Technician	Dietician
	Occupational Therapist Assistant	Genetic Counselor
	Paramedic	Industrial Hygienist
	Pharmacy Technician	Meteorologist
	Respiratory Therapist	Midwife
	Surgical Technician	Nurse
		Occupational Therapist
		Speech Language Pathologist
		Surgeon
		Veterinarian

RELATED BALDWIN HIGH SCHOOL COURSES

COURSE LISTS ARE NOT ALL-INCLUSIVE.

- AP Biology
- AP Chemistry
- AP French Language and Culture
- AP German Language and Culture
- AP Physics 1
- AP Physics C
- AP Spanish Language and Culture
- AP Statistics
- Applied Chemistry
- Applied Physics
- Child Development
- CHS Java Programming
- CHS Latin IV
- CHS Statistics
- Cooking Basics
- Cooking Masters
- French I, II, III
- German I, II, III
- German IV
- Honors Anatomy and Physiology
- Honors Biology
- Honors Chemistry
- Honors French IV
- Honors Organic Chemistry
- Honors Physics
- Honors Spanish IV
- Intro. to Careers in Health and Sport
- Introduction to Sociology
- Exercise/Sports Physiology
- Latin I, II, III
- Leadership
- Nutrition and Foods
- Partner's Physical Education
- Partners Music
- Physics
- Psychology
- Psychology of Personality
- Public Speaking
- Steel Center for Career and Technical Education
- Visual Basics
- Wellness 10-12

PATHWAY: 4. HUMAN SERVICES, EDUCATION, AND GOVERNMENT

Career Pathway Description:

Careers in this cluster encompass education, training, families and human needs.

Included Clusters:

Education & Training, Human Services, and Government & Public Administration

Career Cluster Pathways:

Teaching, Training, Government and Public Administration (Foreign Services, National Security, Planning, Public Management, Regulations), Hospitality and Tourism, Professional Support Services, Human Services (Personal Care, Family and Community, Consumer Services), Law, Public Safety, Corrections and Security, Administration, Counseling and Mental Health, Early Childhood Development

HUMAN SERVICES, EDUCATION, AND GOVERNMENT

ENTRY LEVEL High School Education	TECHNICAL/ SKILLED 2 years or less of post-secondary training	PROFESSIONAL Bachelor's degree or higher
Acting Instructor	Building Inspector	Archivist
Activist	Conservation Officer	Athletic Trainer
Coach	Early Childhood Educator	Audiologist
Community Worker	Funeral Director	Bioethicist
Computer Trainer	Hairstylist	Career Counselor
Driving Instructor	Interpreter	Clergy
Dry Cleaner	Library Technician	Corporate Trainer
Enlisted Member of Military	Mediator	Genetic Counselor
Event Planner	Nail Technician	Librarian
Fitness Instructor	Optician	Principal
Mail Carrier / Postal Clerk	Religious Worker	Psychiatrist
Tattoo Artist		Public Policy Analyst
Teacher Assistant		Statistician
		Teacher (all types)

RELATED BALDWIN HIGH SCHOOL COURSES

COURSE LISTS ARE NOT ALL-INCLUSIVE.

AP Biology
AP Chemistry
AP Economics
AP French Language and Culture
AP German Language and Culture
AP Language
AP Literature
AP Physics C
AP Spanish Language and Culture
AP Statistics
Business and Personal Law
Child Development
CHS Latin IV
CHS Statistics
Visual Basic
Cooking Basics
Cooking Masters
Creative Writing
French I, II, and III
German I, II, and III
Honors Anatomy and Physiology
Honors Organic Chemistry
Honors French IV
Honors German IV
Honors Organic Chemistry
Honors Physics
Honors Spanish IV
International Business
Intro. to Careers in Health and Sport
Exercise/Sports Physiology
Intro. to Sociology
Latin I, II, and III
Leadership
Nutrition and Foods
Preschool Education
Psychology
Psychology of Personality
Public Speaking
Spanish I, II, and III
Steel Center for Career and Technical Education
Strength Training
Web Design
Wellness

PATHWAY:

5. SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Career Pathway Description:

Careers in this cluster are related to technologies necessary to design, develop, install or maintain physical systems.

Included Clusters:

Architecture & Construction, Science, Technology, Engineering & Mathematics, and Manufacturing

Career Cluster Pathways:

Engineering and Technology, Logistics and Inventory Control, Production, Quality Assurance, Architecture and Construction, Manufacturing, Transportation, Design/Pre-Construction, Maintenance/Operations, Distribution and Logistics, Maintenance, Installation and Repair

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

ENTRY LEVEL High School Education	TECHNICAL/ SKILLED 2 years or less of post-secondary training	PROFESSIONAL Bachelor's degree or higher
Appliance Repair and Sales	Agricultural Technician	Agronomist
Automobile Assembler	Biological Technician	Architect
Blacksmith	Boilermaker	Engineer (all types)
Bricklayer/Mason	Cost Estimator	Epidemiologist
Building Superintendent	Crime Scene Investigator	Land Surveyor
Electronics Assembler	Drafter	Landscape Architecture
Electronics Repair and Sales	Energy Auditor	Meteorologist
Inventor	Engineering Technician (all types)	Naval Architect
Medical Transcriptionist	Fire Investigator	Neurologist
Office Machine Repair and Sales	Geographic Information Systems Specialist	Oceanographer
Taxidermist	Quality Controller	Operations Research Analyst
Upholsterer	Solar Energy Technician	Planner
Wildlife Technician	Technical Sales Representative	Toxicologist

RELATED BALDWIN HIGH SCHOOL COURSES

COURSE LISTS ARE NOT ALL-INCLUSIVE.

Advanced Robotics and Electronics
AP Biology
AP Calculus AB
AP Calculus BC
AP Chemistry
AP French Language and Culture
AP German Language and Culture
AP Physics 1
AP Physics C
AP Spanish Language and Culture
AP Statistics
CHS Latin IV
CHS Statistics
Cooking Masters
Creative Writing
Earth and Space Science
Fabrication and Engineering
French, I, II, and III
German I, II, and III
Honors Anatomy and Physiology
Honors Calculus
Honors French IV
Honors German IV
Honors Organic Chemistry
Honors Physics
Honors Spanish IV
Honors Trigonometry and Pre-Calculus
Latin I, II, and III
Public Speaking
Robotics
Spanish I, II, and III
Steel Center for Career and Technical Education
Exercise/Sports Physiology

How does Career Cruising benefit the school and community?

- Assists students with career decisions and planning
- Brings employers into the educational process to help prepare students for the world of work
- Builds positive relationships between business, young people, and parents
- Identifies relationships between specific courses and corresponding careers
- Provides and extension of classroom instruction
- Provides life skills in seeking, maintaining, and changing jobs or careers

How to use Career Cruising

Students often go into course selection blindly. Some may even choose courses based upon what their friends are choosing. By using the information in this manual and consulting with their teachers and guidance counselors, students can make more informed choices about the classes they select.

Step One

To begin the career exploration process, students need to create a Portfolio in Career Cruising. The purpose of the portfolio is to help students keep track of their career related activities and progress over the four years of high school.

Step Two

Students should go to the Career Finder and click on Career Clusters. Once students have chosen a cluster (which they can change at any time as they grow in their career awareness), they will match that cluster to one of Baldwin-Whitehall's five Career Pathways.

Step Three

Students can then match their choice of career cluster from the Career Cruising program with the pathways listed in this guide.

Step Four

The elective courses listed in each pathway in this guide have been cross-referenced with the Course Selection Guide pages. Once students have selected elective courses within a pathway, they can read more about a particular course simply by going to the Department sections.

CAREER CRUISING

Do you ever wonder… "How do I choose my classes?" Career Cruising is here to help!

Classes: Finding out about careers helps you more efficiently pick your classes in high school.
Assessments: Fun questions about you, which help create your career list.
My Plan: Your ideas, answers, interests all saved in one spot!
College and Financial Aid: Find schools based on the careers you are interested in and where you want to go.
Career Search: What is your favorite subject? Did you know you can search for careers based just on your favorite class? Enter biology, art, history, etc. and you will see a full list of possible careers.

• **Assessments**	• **Career Profiles**	• **Resume Building**
• **College and Financial Aid**	• Employment Guide	• My Plan
• **Parent Portal**	• Multimedia Interviews	

Parents	Students
To register for your Parent Portal account, contact Mrs. Babik at **cbabik@bwschools.net** **to receive your activation code. Then to go www.careercruising.com/Parent**	**Login:** bw-(insert your Skyward login) Example: bw-smithq **Password:** your Skyward password

Baldwin High School Counseling Website: www.CounselingBHS.weebly.com

Baldwin High School's Counseling Department website 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
- NCAA links for student-athletes
- Google Groups
- Up-to-date information on standardized testing (PSAT, SAT, ACT, AP, Keystones)
- **Counselors' Blog:** Features information on events happening at Baldwin High School and resources available at the Counseling Office, college and career fairs, scholarship information, and open house events at colleges and universities.
- **Activities, Jobs and Volunteering:** Lists events going on in the community, job announcements, internships, and activities.
- **Careers Page:** Connects students to career opportunities and community resources, and also provides information on Career Cruising. Events and Scholarships blog – lists events going on in the community, open house events at colleges and universities, college and career fairs, and scholarship information.

Follow us on twitter @Counseling_BHS

GENERAL INSTRUCTIONS

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

The core subjects (e.g. English, Social Studies, Science, and Mathematics) are scheduled as Academic, Honors, or AP Level. To ensure the greatest chance for academic success, students and their parents should select a core subject level that BEST meets the student's goals, interests, and aptitudes.

- Academic – designed for the student who plans to proceed to college or career upon graduation.

- Honors – designed for those students who meet the specific honors criteria and who desire a highly rigorous curriculum.

- Advanced Placement – these courses are designed to meet specific College Board criteria as equivalents of college level credit courses.

Baldwin-Whitehall School Board Policy #217 Graduation Requirements

Diplomas

The Board shall award a regular high school diploma to every student enrolled in this district who meets the requirements for graduation established by this Board.

A list of all candidates awarded a diploma shall be submitted to the Board for its information.

A requirement for graduation shall be the completion of work and studies representing the instructional program assigned to grades 9 through 12, which are aligned to establish academic standards and fulfillment of current state mandated requirements.

The Board requires that each candidate for graduation shall have earned twenty-four (24) credits.

The fourth year of high school shall not be required for graduation if a student has completed all requirements for graduation and attends a postsecondary institution as a full-time student.

A student may qualify for graduation by attending a district school part-time when lawfully employed part-time or when officially enrolled part-time in a postsecondary institution.

Graduation Information

- Students are responsible for meeting the essential requirements for graduation based upon subjects completed in Grades 9-12.
- Students and parents will be assisted by school counselors and teachers in order to develop an appropriate and challenging program of study.

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***	0.5
Introduction to Computer Science****	0.5
STEM courses: (Science, Technology, and Math)	1.0
Electives	4.5
Total Credits	**24.0**
Other Requirements: • Graduation Project which includes exit interviews • Keystone Exam Proficiency in Algebra I, Biology, and Literature	

*Arts and/or Humanities: Arts include art courses, crafts, family and consumer science courses, industrial technology courses, band, chorus, and orchestra. Humanities include World Language courses, English electives, and Social Studies courses.

**Physical Education- each course is 0.5 credit.

*******Technology Media Applications- this is a graduation requirement for 10th, 11th and 12th grade students graduating in 2020, 2021, 2022.

********Introduction to Computer Science- this is a graduation requirement for freshman students beginning with the graduating class of 2023.

Credits earned at Steel Center CTE qualify as a combination of Arts and/or Humanities, STEM, and elective courses.

Beginning with the Class of 2017 and beyond, the Graduation Project will be integrated into the Society and Careers, AP Government, AP European History*, and AP Economics* curricula. (*for seniors only.)

Graduation is dependent upon distribution of required credits, total number of credits, completion of the Graduation Project, and Keystone Exam Proficiency in Algebra I, Biology, and Literature.

Each eligible student who satisfactorily completes a special education program developed by an IEP team (inclusive of the Keystone Exams and Graduation Project) shall be granted and issued a regular high school diploma by the District upon completion of that program.

Keystone Exams

Beginning with the Class of 2019, a student must score proficient or above on the Keystone Exams: Algebra I, English Literature (Grade 10), and Biology in order to graduate. The Keystone Exams are end-of-course assessments and will be considered a stand-alone graduation requirement; therefore, they will not be calculated into the final grade.

Should a student not demonstrate proficiency on a Keystone Exam, the student will be required to participate in a supplemental instructional program mandated by the Pennsylvania Department of Education. A student will retake the Keystone exam up through and including the student's junior year of high school.

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), 17.50 credits must be earned.

Credit Deficiencies

A credit deficiency occurs when a course is failed, which may be resolved by repeating the course the following year or by attending an approved summer school or online credit recovery program. Students who have credit deficiencies will be notified of the deficiencies at the end of the year. It is the responsibility of the student to reschedule credit deficiencies.

Senior students who fail a required course or who lack sufficient credits for graduation may attend an accredited summer school program, take the GED test, or return to Baldwin High School as a full time student the following semester. These students will meet with their school counselor to discuss their options. The GED (or General Educational Development) is a Commonwealth Secondary School Diploma certifying that the holder has achieved an acceptable educational level.

Students who wish to eliminate deficiencies by taking coursework at another school must have approval in advance from the Principal or designee.

Grading Scale

Baldwin High School		Steel Center for Career and Technical Education	
A	90% - 100%	**A**	93% - 100%
B	80% - 89%	**B**	85% - 92%
C	70% - 79%	**C**	77% - 84%
D	60% - 69%	**D**	70% - 76%
F	0% - 59%	**F**	0% - 70%
I	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 given identical values. GPA is calculated by the four quarter grades for each course, not the final averaged grade.

Grade	Non-Weighted	Honors Weighted	AP and CHS Weighted
A	**4**	**4.5**	**5**
B	**3**	**3.5**	**4**
C	**2**	**2.5**	**3**
D	**1**	**1.0**	**1**
F	**0**	**0.0**	**0**

Class Size Requirement/Alternating Years of Course Offerings

Some courses may be offered on an every-other-year basis to ensure the minimum class size requirements are met and to provide students with the opportunity to enroll in the course during his/her four years in high school.

World Languages

Although a world language is not required for graduation, many colleges and universities require their applicants to complete a minimum of two credits in the same world language for admission. Since sequential language study is cumulative in nature, success in the subsequent levels of language study largely depends upon the retention of vocabulary and comprehension of grammar in the previous level.

Students and parents should be aware that those who successfully complete a three or four-year sequence in a language could possibly satisfy arts and humanities requirements in college. The procedures for testing and placement vary among the colleges and universities.

Please note: Some courses may be offered every other year.

Honors (H) Courses

Honors (H) courses are rigorous courses, which demand a high level of analytical reading ability and often lead to Advanced Placement (AP) or College in the High School (CHS) studies. Students are required to spend a significant amount of time outside of class on course work and will have required summer assignments.

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 thus, creating a school/college partnership. The concurrent enrollment program is one of the largest partnership programs at most colleges or universities. Typically, students do not have to leave their school to travel to the university. Students should be academically ready for the challenge of a college-level course and should be recommended by their teacher based upon his or her ability level. Exams are 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 choose to earn college credit.**

Advanced (AP) Courses and Testing Costs

Advanced Placement (AP) courses are first-year college level courses that follow the College Board's AP syllabus and prepare students for the AP Examinations given in May 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. All AP courses have summer assignments. At the conclusion of the course, students may take a test prepared by the College Board. The results will be certified by the testing agency to college admissions offices for a possible advanced standing and/or credit in the freshman year at college. ***Students are responsible, in full, for all costs associated with taking the AP Examinations. Fee waivers are available for eligible students.***

Dual Enrollment

Pennsylvania's Dual Enrollment Program allows school districts and career and technical centers (vocational schools) to collaborate with eligible post-secondary partners (community colleges and four-year colleges/universities) to offer high school juniors and seniors the chance to earn college credit while still attending high school. This program helps students make a smooth transition from high school to post-secondary education.

Courses taken through dual enrollment are used for enrichment, acceleration, or for college credit. These courses may not be used to satisfy high school graduation requirements. A course description for each class must accompany the registration form and must be submitted to the high school principal for approval ***prior to scheduling the course***.

Course Recommendations and Selections

Students are encouraged to reach their full potential by challenging themselves in the most rigorous courses in which they can experience success. Teachers and counselors assess each student's academic ability and encourage appropriately challenging classes.

Decisions regarding course selections should be based upon post-secondary plans. Varieties of resources are available to assist students in career and post-secondary planning. Below are some of the websites that students can access to explore post-secondary options and plan high school coursework. Students should see their counselor for individualized assistance and utilize the Career Cruising Program.

Baldwin-Whitehall School District www.counselingBHS.weebly.com	NCAA www.ncaa.org	Career Cruising www.careercruising.com
Pennsylvania Higher Education Assistance Agency (PHEAA) www.educationplanner.org	College Board www.collegeboard.org	ACT www.actstudent.org

Schedule Changes

Beginning in February, students are given the opportunity to carefully consider course selections for the 2018-2019 school year. Teachers are a critical part of this process through recommendations and advisement on appropriately challenging course placement for each student. Additionally, our school counselors will meet with students to discuss and review course selections related to individual career interests and exploration. The Master Schedule is created specifically to address students' requests and needs. Each student's schedule will reflect his or her particular course requests (or alternates as necessary) for next year. Though every effort will be made to ensure accuracy in responding to each student's wants and needs, we recognize that sometimes errors occur. To that end, please refer to the *schedule change procedures* that follow.

Students who have scheduling errors should meet with their counselors before June 30th.
No schedule changes will occur after June 30th except as it relates to:

- Course failures that have not been reflected on the schedule
- Summer School course completion (credit recovery or enrichment)
- Enrollment in Keystone semester courses as a result of state assessment scores below Proficient
- New student enrollment
- Other administrative considerations regarding the Master Schedule (e.g. balancing class sizes, extenuating circumstances, etc.)

Requests for schedule changes due to errors must be made by scheduling an appointment with the counselor to discuss options.

Baldwin High School Counseling Department

Counselor Name	Student Alignment	412-885-7500 + extension number	E-mail
Caroline Babik	A, D-H	x8071	cbabik@bwschools.net
Kyle DeGregorio	C, S-Z	x8077	kdegregorio@bwschools.net
Sima Misquitta	I - M	x8072	smisquitta@bwschools.net
Gerry Hall	B, N - R	x8075	ghall@bwschools.net
Counseling Department Secretaries			
Colleen Goettman	A - K	x8061	cgoettman@bwschools.net
Diane McMahon	L - Z	x8062	dmcmahon@bwschools.net

English

http://bwcourseselectionguide.weebly.com/

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 in 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: 1.0/year**
Course Number: 108 **Grade Level: 10**
Prerequisite: Honors English 9 or Teacher Recommendation; *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 Pre-AP 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 11th and 12th Grade AP English Courses.

ENGLISH 11 **Credit/Term: 1.0/year**
Course Number: 111 **Grade Level: 11**
Prerequisite: English 10

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 **Credit/Term: 1.0/year**
Course Number: 114 **Grade Level: 11**
Prerequisite: Honors English 10 or Teacher Recommendation; *summer work is required*
AP Exam: Optional exam at the end of the course.

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 following their sophomore year.

Senior students are to select either the AP English Literature course, the CHS Literature and Philosophy course, or two (2) semester courses – one (1) in the Fall and one (1) in the Spring.

Fall Semester Course Offerings:

- Philosophy and Humanities
- Common Themes in British and Sports Literature
- Shakespeare and Film

Spring Semester Course Offerings:

- Literature of Self-Discovery
- Divergent Literature
- Science Fiction/Fantasy

PHILOSOPHY AND HUMANITIES	**Credit/Term: .50 sem./Fall**
Course Number: 170	**Grade Level: 12**

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 Nichtze, Kant, current events, short stories, and contemporary film studies, as well 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	**Credit/Term: .50 sem./Fall**
Course Number: 171	**Grade Level: 12**

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.

SHAKESPEARE AND FILM	**Credit/Term: .50/sem./Fall**
Course Number: 172	**Grade Level: 12**

Description: Shakespeare has been described as a writer who is "not of an age, but of all time." His stories continue to be portrayed in countless stage productions and film adaptations. People around the world study Shakespeare today for not only his literary merit, but also for his ability to tap into the human psyche. With his universal themes of love, war, and power, we see the human condition today is strangely similar to Shakespeare's time.

In this course, students will read and view several Shakespearean plays including both tragedies and comedies and study their modern film adaptations. Students will learn how to critically analyze film and determine how a director's manipulation of the original text can enhance or alter the overall message of the play. Shakespeare's plays are meant to be viewed, to be experienced with the liveliness and passion of which he intended to capture the hearts of his audience. Centuries later, Shakespeare lives on through the artistic abilities of some of the very best directors and actors today. Students will evaluate and conduct comparative analysis of various films of each play studied.

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.

LITERATURE OF SELF DISCOVERY	**Credit/Term: .50/sem./Spring**
Course Number: 173	**Grade Level: 12**

Description: What is the purpose of life? Why are you here? Have you ever felt overwhelmed and anxious thinking about your place in the world and how you will find your true path in life? Is happiness attainable, and if so, how can it be achieved?

Literature has the power to shed light upon society and to help us awaken to our own inner awareness in order to begin answering some of these questions. This course will use literature to explore the thematic connections between ourselves and the world around us. Through thought- provoking fiction, nonfiction, and media selections, students will analyze the philosophical ideas of the pursuit of happiness, illusion versus reality, and the transcendence of fear in order to tap into their full potential.

Students will read and analyze a mixture of classic and contemporary literature including *Siddhartha* by Herman Hesse, *The Alchemist* by Paulo Coelho, and a variety of self-selected reading options. Nonfiction, poetry, mindfulness techniques and media selections from various cultural, historical, and gender viewpoints will further enhance this life-changing 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.

DIVERGENT LITERATURE	**Credit/Term: .50/sem./Spring**
Course Number: 174	**Grade Level: 12**

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/FANTASY	**Credit/Term: .50/sem./Spring**
Course Number: 175	**Grade Level: 12**

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.

CHS LITERATURE & PHILOSOPHY **Credit/Term: 1.0 /year**
Course Number: 123 **Grade Level: 12**
Prerequisite: AP English 11 or English 11 with recommendation
Fulfills English Credit (seniors)

What is justice? What does it mean to act morally? Is the future decided by fate, or free will? These are many other 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 them before. Readings include the works of Aristotle, Plato, Sartre, and Nichtze, 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: 1.0/year**
Course Number: 118 **Grade Level: 12**
Prerequisite: AP English Language or Honors English 10 or Teacher Recommendation; *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 **Credit/Term: .50/sem.**
Course Number: 126 **Grade Level: 9-12**
Prerequisite: None

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

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

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 **Credit/Term: 1.0/year or**
133(S); Grade Level 9-12 **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, 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 **Credit/Term: .50/sem.**
Course Number: 137 **Grade Level: 9-12**
Prerequisite: None

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.

Social Studies

http://bwcourseselectionguide.weebly.com/

US History and Government **Credit/Term: 1.0/year**
Course Number: 202 **Grade Level: 9**
Prerequisite: None

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 **Credit/Term: 1.0/year**
Course Number: 204 **Grade Level: 9**
Prerequisite: None

Description: This course will focus on continuity and change over time while providing students with the essential skills and knowledge for 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 20th century. 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 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 **Credit/Term: 1.0/year**
Course Number: 205 **Grade Level: 10**
Prerequisite: US History and Government or
Honors US History and Government

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 **Credit/Term: 1.0/year**
Course Number: 206 **Grade Level: 10**
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.

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 C.E. 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 proven 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 a semester 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.

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 a semester 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.

SOCIETY AND CAREERS **Credit/Term: .50/sem.**
Course Number: 212 **Grade Level: 12**
Prerequisite: Modern United States History or AP United States History

Description: This course is designed to aid students on career selection, demonstrate an understanding of individual choices that directly influence occupational goals, and future earnings potential. Students will match personal skills, abilities and interests to a career, research various career options, and examine future training options for their career. Soft skills for obtaining and maintaining a career will include conflict resolution, presentation skills, and team building. Other skills highlighted include resume building, interviewing strategies, and creating a realistic budget based on their career and training selections. This course will provide a foundational understanding for making informed personal decisions leading to adulthood. 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 UNITED STATES GOVERNMENT AND POLITICS **Credit/Term: 1.0/year**
Course Number: 219 **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
Prerequisite: None; *summer work may be required*
AP Exam: Optional exam at the end of the course.

Credit/Term: 1.0/year
Grade Level: 11-12
Gr. 11 elective
Gr. 12 fulfills credit requirement

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 only***.

CHS EUROPEAN HISTORY
Course Number: 241
Prerequisite: AP US History or Modern American History

Credit/Term: 1.0/year
Grade Level: 12

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. It is Social Studies meets English like you have never met them 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 **Credit/Term: .50/sem.**
Course Number: 217 **Grade Level: 10-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 218 **Grade Level: 10-12**
Prerequisite: None

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

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ALGEBRA 1A **Credit/Term: 1.0/year**
Course Number: 306 **Grade Level: 9**
***Teacher recommendation is REQUIRED to select this course*.**

Description: Algebra 1A is the first half of the Algebra 1A/1B series. This course covers the linear aspects of algebra. The topics included are solving and graphing linear equations and inequalities, reading and interpreting word problems, and understanding functional relationships using graphs, charts, and tables.

ALGEBRA 1B **Credit/Term: 1.0/year**
Course Number: 307 **Grade Level: 10**
Teacher recommendation is REQUIRED to select this course.

Description: Algebra 1B is the second half of the Algebra 1A/1B series. Algebra 1A/1B are aligned to Algebra 1 Keystone Anchors. The topics that are covered in this course are solving and graphing linear equations and inequalities, reading and interpreting word problems, solving quadratic equations by graphing, by factoring, by completing the square, and by the quadratic equation, understanding functional relationships using graphs and charts, and working with rational and irrational expressions to solve simple rational and radical equations. Upon successfully completing Algebra 1B, the students will receive credit for Algebra 1.

ALGEBRA I **Credit/Term: 1.0/year**
Course Number: 305 **Grade Level: 9**

Description: This course develops skills and concepts necessary for students to succeed in upper level 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 **Credit/Term: 1.0/year**
Course Number: 312 **Grade Level: 9-10**
Prerequisite: Algebra I

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 **Credit/Term: 1.0/year**
Course Number: 313 **Grade Level: 9-10**
Prerequisite: Algebra I; *summer work is required*

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 with 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 **Credit/Term: 1.0/year**
Course Number: 322 **Grade Level: 10-11**
Prerequisite: Algebra I

Description: The concepts introduced 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 **Credit/Term: 1.0/year**
Course Number: 323 **Grade Level: 9-11**
Prerequisite: Algebra I; *summer work is required*

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 explored. 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.

FINANCIAL ALGEBRA **Credit/Term: 1.0/year**
Course Number: 326 **Grade Level: 12**
Prerequisite: Algebra I

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.

FINANCIAL LITERACY **Credit/Term: 1.0/year**
Course Number: 324 **Grade Level: 12**
Prerequisite: Algebra I

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.

COLLEGE ALGEBRA AND TRIGONOMETRY **Credit/Term: 1.0/year**
Course Number: 333 **Grade Level: 11-12**
Prerequisite: Algebra II

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 **Credit/Term: 1.0/year**
Course Number: 334 **Grade Level: 10-11**
Prerequisite: H Algebra II or Algebra II; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 340 **Grade Level: 11-12**
Prerequisite: H Trigonometry and Pre-Calculus; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 341 **Grade Level: 11-12**
Prerequisite: Honors Trigonometry and Pre-Calculus; *summer work is required*
AP Exam: Optional exam at the end of the course.

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 compromise 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 a mathematically related science, or engineering.

AP CALCULUS BC **Credit/Term: 1.0/year**
Course Number: 342 **Grade Level: 11-12**
Prerequisite: AP Calculus AB; *summer work is required*
AP Exam: Optional exam at the end of the course.

Description: This college-level course is designed for those 12th 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

AP STATISTICS **Credit/Term: 1.0/year**
Course Number: 351 **Grade Level: 11-12**
Prerequisite: Algebra II; *summer work is required*
AP Exam: Optional exam at the end of the course

Description: AP Statistics is comparable to introductory statistics courses in colleges and universities. 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 in May to earn college credit. 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.

CHS STATISTICS **Credit/Term: 1.0/year**
Course Number: 356 **Grade Level: 11-12**
Prerequisite: Algebra II; *summer work is required*

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.

Science

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INTEGRATED SCIENCE **Credit/Germ: 1.0/year**
Course Number: 400 **Grade Level: 9**
Pre-Requisite: None

Description: This course is designed for ninth grade students who need to reinforce and build upon the basic science skills necessary for success in the upper level sciences. 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 **Credit/Term: 1.0/year**
Course Number: 402; NO LAB **Grade Level: 9**
Prerequisite: None

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 **Credit/Term: 1.0/year**
Course Number: 403; 1 DAY LAB **Grade Level: 9**
Prerequisite: None; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 418 **Grade Level: 10-11**
Prerequisite: Biology

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 **Credit/Term: 1.0/year**
Course Number: 411; NO LAB **Grade Level: 10**
Prerequisite: Biology, Algebra I

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 **Credit/Term: 1.0/year**
Course Number: 412; 1 DAY LAB **Grade Level: 10**
Prerequisite: Biology or Honors Biology, Algebra I; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 420; NO LAB **Grade Level: 11**
Prerequisite: Applied Chemistry, Algebra I

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-word examples to explain physical concepts. The physical laws explored will show how they impact all objects. General topics covered in this course will include motion of objects, fluids and motion, mechanical objects, heat and thermodynamics, waves and electricity. 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 **Credit/Term: 1.0/year**
Course Number: 421 **Grade Level: 11-12**
Prerequisite: Chemistry 411
Co-requisite: Algebra II

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 **Credit/Term: 1.0/year**
Course Number: 422; 1 DAY LAB **Grade Level: 11**
Prerequisite: Honors Chemistry and Honors Algebra II
Co-requisite: Honors Trigonometry and Pre-Calculus; *summer work is required*

Description: This course is offered for serious, college-bound students preparing themselves to enter 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 **Credit/Term: 1.0/year**
Course Number: 425; 1 DAY LAB **Grade Level: 11-12**
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

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 our most advanced juniors who are not only serious students, but also well prepared in both math and science.

SCIENCE ELECTIVES

HONORS ANATOMY AND PHYSIOLOGY **Credit/Term: 1.0/year**
Course Number: 405; 1 DAY LAB **Grade Level: 10-12**
Prerequisite: Biology or Honors Biology; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 406; 1 DAY LAB **Grade Level: 11-12**
Prerequisite: Honors Biology and proficiency on Biology Keystone Exams; *summer work is required*
AP Exam: Optional exam at the end of the course

Description: This course is the equivalent of a first level college biology course 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 **Credit/Term: 1.0/year**
Course Number: 415; 1 DAY LAB **Grade Level: 11-12**
Prerequisite: Honors Chemistry
AP Exam: Optional exam at the end of the course

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 course usually taken during the first college year (2 Semesters). This course is highly recommended for those students who are planning to pursue any university science major such as 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 **Credit/Term: 1.0/year**
Course Number: 416; NO LAB **Grade Level: 11-12**
Prerequisite: Chemistry or Honors Chemistry

Description: Organic chemistry is a discipline within chemistry, which 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 **Credit/Term: 1.0/year**
Course Number: 423; 1 DAY LAB **Grade Level: 12**
Prerequisite: Honors Physics or AP Physics C; *summer work is required*
AP Exam: Optional exam at the end of the course

Description: This course is offered for serious, 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 and magnetism and waves - including both sound and light. It requires a deep conceptual understanding, as well as thorough mathematical problem solving, using algebra, geometry, and trigonometry. It will also include a review of the topic of mechanics, in preparation for the AP test in early May.

EARTH AND SPACE SCIENCE **Credit/Term: 1.0/year**
Course Number: 433; NO LAB **Grade Level: 10-12**
Prerequisite: None

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.

EXERCISE/SPORTS PHYSIOLOGY **Credit/Term: 1.0/year**
Course Number: 907 **Grade Level: 12**
Prerequisite: Anatomy & Physiology

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.

World Languages

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SPANISH I **Credit/Term: 1.0/year**
Course Number: 500 **Grade Level: 9-12**
Prerequisite: 70% or better in English/Language Arts

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 **Credit/Term: 1.0/year**
Course Number: 501 **Grade Level: 9-12**
Prerequisite: Teacher Recommendation

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 classroom activities. Although there is a considerable emphasis on grammar at this level, the focus of this course is practical and situational vocabulary. Development of its functional use is stressed to provide students with the communicative skills needed to survive in Spanish-speaking countries. Authentic materials, digital resources and culture are integral parts of the course.

SPANISH III **Credit/Term: 1.0/year**
Course Number: 502 **Grade Level: 10-12**
Prerequisite: Teacher Recommendation

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 **Credit/Term: 1.0/year**
Course Number: 503 **Grade Level: 11-12**
Prerequisite: Teacher Recommendation; ***summer work is required***

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

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

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

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

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 **Credit/Term: 1.0/yr.**
Course Number: 508 **Grade Level: 11-12**
Prerequisite: Teacher Recommendation; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 509 **Grade Level: 12**
Prerequisite: Teacher Recommendation; *summer work is required*
AP Exam: Optional exam at the end of the course

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 **Credit/Term: 1.0/year**
Course Number: 510 **Grade Level: 9-12**
Prerequisite: 70% or better in English/Language Arts

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 **Credit/Term: 1.0/year**
Course Number: 511 **Grade Level: 9-12**
Prerequisite: Teacher Recommendation

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 **Credit/Term: 1.0/year**
Course Number: 512 **Grade Level: 10-12**
Prerequisite: Teacher Recommendation

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 **Credit/Term: 1.0/year**
Course Number: 513 **Grade Level: 11-12**
Prerequisite: Teacher Recommendation; *summer work is required*

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 **Credit/Term: 1.0/year**
Course Number: 514 **Grade Level: 12**
Prerequisite: Teacher Recommendation; *summer work is required*
AP Exam: Optional exam at the end of the course

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 **Credit/Term: 1.0/year**
Course Number: 515 **Grade Level: 9-12**
Prerequisite: No Prerequisite Required

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 **Credit/Term: 1.0/year**
Course Number: 516 **Grade Level: 10-12**
Prerequisite: Teacher Recommendation

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 **Credit/Term: 1.0/year**
Course Number: 517 **Grade Level: 11-12**
Prerequisite: Teacher Recommendation

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 **Credit/Term: 1.0/year**
Course Number: 518 **Grade Level: 12**
Prerequisite: Teacher Recommendation; *summer work is required*

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 1st 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 and Computer Technology

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INTRODUCTION TO COMPUTER SCIENCE **Credit/Term: .50/sem.**
Course Number: 603 **Grade Level: 9**
Prerequisite: None; This a required course for all 9th grade students.

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.

INTRODUCTION TO MOBILE APPS **Credit/Term: .50/sem.**
Course Number: 602 **Grade Level: 9-12**
Prerequisite: None:

Description: Mobile applications are becoming increasingly important to our consumption of media, news, social interaction, and learning. In this course, students will learn how to create mobile apps using React Native, a popular platform-agnostic framework. Students will learn the foundations of the React Native framework, components, and how to use components to create scalable, custom, and fast mobile applications. Students will also learn about important computer science topics including state changes, using XML and stylesheet objects, mapping through objects, rendering dynamic data, and creating modular app layouts with flex. The course utilizes a blended classroom approach. The content is a mix of web-based and physical activities. Students will modify existing code and run it in the browser and on their personal mobile devices with the use of Expo, a free open-source toolchain built for running React Native apps with React and JavaScript, create personalized apps, create digital presentations, and engage in in-person collaborative exercises with classmates.

WEB DEVELOPMENT **Credit/Term: .50/sem.**
Course Number: 604 **Grade Level: 9-12**
Prerequisite: None

Description: Reveal Adobe and HP Reveal software, 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, Augmented Reality, enhances the student mock sites so they may gain a more enriched experience of web design without going, “live” on the Internet.

SPORTS AND ENTERTAINMENT MARKETING **Credit/Term: .50/sem.**
Course Number: 607 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 608 **Grade Level: 9-12**
Prerequisite: None

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

INTERNATIONAL BUSINESS **Credit/Term: .50/sem.**
Course Number: 609 **Grade Level: 9-12**
Prerequisite: None

Description: This course explores business systems throughout the world, and the power of international exchange in our global economy. Activities in this course helps students to learn how to make better decisions as a manager or while working in a business environment. Students examine the problems and challenges of operating a business and learn topics such as cultural and social influences, e-commerce, ethical issues, the securities market, currency exchange, and current trends in a global workplace. This course is for students who are pursuing a career as a businessperson or interested in gaining the necessary business skills to compete in our global economy.
(Offered in the 2020-2021 school year)

PRINCIPLES OF ACCOUNTING I **Credit/Term: .50/sem.**
Course Number: 610 **Grade Level: 9-12**
Prerequisite: None

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 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 **Credit/Term: .50/sem.**
Course Number: 611 **Grade Level: 9-12**
Prerequisite: Principles of Accounting I

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 **Credit/Term: .50/sem.**
Course Number: 619 **Grade Level: 9-12**
Prerequisite: Introduction to Business

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 or 2nd period, students will have to opportunity to work in conjunction with the Baldwin Bean)

BUSINESS AND PERSONAL LAW **Credit/Term: .50/sem.**
Course Number: 620 **Grade Level: 9-12**
Prerequisite: None

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.

VISUAL BASIC **Credit/Term: .50/sem.**
Course Number: 622 **Grade Level: 9-12**
Prerequisite: None

Description: Visual Basic is the recommended introductory course for students to learn the basics of programming. It is as easy as clicking and dragging with a mouse onto a design area to create applications. Along the way, students will learn how to make applications work by writing a minimal amount of program code. This course will enhance math and science skills. Topics include the design of the graphical user interface using Visual Basic objects and executing by clicking on these objects (e.g. buttons, check-boxes, etc.) Additional topics include creating memory locations, decision and looping structures, random numbers, string manipulations, and custom procedures or sub-routines.

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

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. Students also have the option to register with the University of Pittsburgh to earn college credit through their College in High School program by registering and paying the requisite tuition and enrollment fees as required by the university. This course provides the equivalent of college-level work for computer science majors.

INTRODUCTION TO GAME PROGRAMMING **Credit/Term: .50/sem.**
Course Number: 626 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: 1.0/year**
Course Number: 627 **Grade Level: 9-12**
Prerequisite: None
AP Exam: Optional exam at the end of the course

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 **Credit/Term: .50/sem.**
Course Number: 628 **Grade Level: 9-12**
Prerequisite: None

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.

CHS PYTHON PROGRAMMING II **Credit/Term: .50/sem.**
Course Number: 629 **Grade Level: 9-12**
Prerequisite: CHS Introduction to Python Programming

Description: Students who have past 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. Students also have the option to register with the University of Pittsburgh to earn college credit through their College in High School program by registering and paying the requisite tuition and enrollment fees as required by the university. This course provides the equivalent of college- level work for computer science majors.

Fine Arts and Crafts

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STUDIO ART I **Credit/Term: 1.0/year**
Course Number: 700 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: 1.0/year**
Course Number: 701 **Grade Level: 10-12**
Prerequisite: Studio Art I

Description: Students in Studio Art II develop a mastery of skills in the areas of drawing, painting, print making, 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 **Credit/Term: 1.0/year**
Course Number: 702 **Grade Level: 11-12**
Prerequisite: Studio Art II

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 **Credit/Term: 1.0/year**
Course Number: 703 **Grade Level: 12**
Prerequisite: Studio Art III

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 **Credit/Term: .50/sem.**
Course Number: 706 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 707 **Grade Level: 9-12**
Prerequisite: Crafts I

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 **Credit/Term: .50/sem.**
Course Number: 709 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 710 **Grade Level: 9-12**
Prerequisite: Ceramics I

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 **Credit/Term: .50/sem.**
Course Number: 712 **Grade Level: 10-12**
Prerequisite: Ceramics II

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 **Credit/Term: .50/sem.**
Course Number: 714 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 715 **Grade Level: 9-12**
Prerequisite: None

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.

METALSMITHING I **Credit/Term: .50/sem.**
Course Number: 716 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course: 717 **Grade Level: 9-12**
Prerequisite: Metalsmithing I

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 **Credit/Term: .50/sem.**
Course Number: 719 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 721 **Grade Level: 9-12**
Prerequisite: Wood Crafts I

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 **Credit/Term: .50/sem.**
Course Number: 722 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 723 **Grade Level: 9-12**
Prerequisite: CHS Graphic Design I

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.

Music

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SYMPHONIC BAND **Credit/Term: 1.0/year**
Course Number: 726 **Grade Level: 9-12**
Prerequisite: None

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

WIND ENSEMBLE **Credit/Term: 1.0/year**
Course Number: 727 **Grade Level: 9-12**
Prerequisite: Students must successfully complete an audition into Wind Ensemble

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

ORCHESTRA **Credit/Term: 1.0/year**
Course Number: 730 **Grade Level: 9-12**
Prerequisite: None

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.

HIGHLANDER CHOIR **Credit/Term: 1.0/year**
Course Number: 737 **Grade Level: 9-12**
Prerequisite: None

Description: This course is designed for beginner, intermediate, and advanced music lovers who would like to develop singing and musicianship while building confidence and self-discipline. In this class, members work as a team to produce two large-scale projects: a winter performance and a spring performance. Students participate in every aspect of the productions from marketing and publicity to lights and sound. There is no homework or required fundraising for this class. Beginner students and those who need help with confidence will sing in groups. Advanced, experienced, and returning students will have the opportunity to pursue higher levels of performance including solo singing and up to five levels of achievement. Although there are many opportunities to sing in community events and charity fundraisers, there are only two required concerts for the entire year. To read student testimonials, see sample lessons, and ask questions, please visit www.bhsmusic1.weebly.com

GUITAR **Credit/Term: 0.5/year**
Course Number: 740.5 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: 1.0/year**
Course Number: 741 **Grade Level: 9-12**
Prerequisite: None

Description: This course is perfect for any beginner who would like to learn to play the piano while, at the same time, explore the human brain, memory retention, and The Mozart Effect. 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 Billy Joel's "Piano Man", John Lennon's "Imagine", and songs by The Fray, Sara Bareilles, Journey, and more. Using music software and step-by-step PowerPoint lessons, students learn basic sight-reading interlaced with chord patterns and rhythms, ear training, and music theory. Students create their own composition and learn how to copyright a musical work. At the end of the year, all pianists perform as a group in The Piano Recital Annual Charity Fundraiser. The recital counts as a part of the student's final exam grade. To read student testimonials, see sample lessons, and ask questions, please visit www.bhsmusic1.weebly.com

PIANO CLASS II **Credit/Term: 1.0/year**
Course Number: 742 **Grade Level: 10-12**
Perquisite: Piano Class I

Description: This course transforms the Level I piano player into a more independent Level II player. Students learn common practices and a systematic approach to the learning of any piano song that will set them up to be successful players for years to come. 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. Using music software and step-by-step PowerPoint lessons, students learn more advanced sight-reading and music theory. At the end of the year, all pianists perform as a group in The Piano Recital Annual Charity Fundraiser. The recital counts as part of the student's final exam grade. To read student testimonials, see sample lessons, and ask questions, please visit www.bhsmusic1.weebly.com

PARTNERS MUSIC **Credit/Term: 1.0/year**
Course Number: 741P **Grade Level: 9-12**
Prerequisite: Application to course

Description: This course is highly recommended for students who may want to pursue a degree in education. This dynamic 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. The course offers a window into a better understanding of music and how it makes us feel, how it moves us, and how it can be used as a tool to expand our understanding of human interaction.

Please visit www.bhsmusic1.weebly.com for more information including an application, sample lessons, and more.

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.

Technology & Engineering

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Changes to Technology & Engineering Courses

Changes to courses in the Tech. Ed. department will help students to learn a variety of skills and processes through comprehensive experiences that explore the fabrication laboratories at BHS. The hands-on learning embedded in these courses will help prepare students for career options.

Students who successfully completed at least two of any of the former Tech. Ed. courses (Materials Tech., Electronics, Power and Energy, CADD, Robotics, etc.) may be eligible to enroll in the Advanced Fab Lab course.

ADVANCED MATERIALS PRODUCTION **Credit/Term: .50/sem.**
Course Number: 802 **Grade Level: 9-12**
Prerequisite: Materials Technology I or Fabrication and Engineering

Description: This course builds on the foundational skills learned in the Materials Technology I and/or Fabrication and Engineering courses with a primary focus on woodworking. Students complete assignments and activities using design, construction, and production activities and through the safe operation of machines and tools. In addition to learning the proper use of traditional hand tools and woodworking equipment students will also program and operate Computer Numerical Controlled (CNC) routers that are typically used in industry. This course is oriented toward production and manufacturing careers including, but not limited to, kitchen design, cabinetry, joinery, furniture assembly, and CNC machine operation.

ADVANCED ROBOTICS AND ELECTRONICS **Credit/Term: .50/sem.**
Course Number: 812 **Grade Level: 9-12**
Prerequisite: Robotics, Fabrication and Engineering, or Electronics

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.**
Course Number: 823 **Grade Level: 9-12**
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!"

FABRICATION AND ENGINEERING **Credit/Term.: .50/sem.**
Course Number: 800 **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!

ADVANCED FAB LAB **Credit/Term: .50/sem.**
Course Number: 807 **Grade Level: 9-12**
Prerequisite: Fabrication and Engineering, Robotics I, Material Technology I, or Electronics I

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!

Family and Consumer Sciences

http://bwcourseselectionguide.weebly.com/

FASHION DESIGN I **Credit/Term: .50/Sem.**
Course Number: 825 **Grade Level: 9-12**
Prerequisite: None

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.

FASHION DESIGN II **Credit/Term: .50/sem.**
Course Number: 829 **Grade Level: 9-12**
Prerequisite: Fashion Design I

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.

INTERIOR DESIGN **Credit/Term: .50/sem.**
Course Number: 837 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 827 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 831 **Grade Level: 9-12**
Prerequisite: Cooking Basics

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 gastronomic abilities should take this course! Who will be the next Top Fighting Highlander Chef?

NUTRITION AND FOODS **Credit/Term: .50/sem.**
Course Number: 830 **Grade Level: 9-12**
Prerequisite: None

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 **Credit/Term: .50/sem.**
Course Number: 828 **Grade Level: 10-12**
Prerequisite: None

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 **Credit/Term: 2.0/year**
Course Number: 833 **Grade Level: 12**
Prerequisite: Child Development is highly recommended

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.

Health & Physical Education

http://bwcourseselectionguide.weebly.com/

PHYSICAL EDUCATION 9 **Credit/Term: .50/sem.**
Course Number: 900 (semester) **Grade Level: 9**
Prerequisite: None

- **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 four-week swimming unit.

PHYSICAL EDUCATION WITH BASIC SWIMMING/AQUATICS **Credit/Term: .50/sem.**

- **Course Number: 902** **Grade Level: 9-12**

Prerequisite: None

- **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.

HEALTH **Credit/Term: .50/sem.**
Course Number: 904 **Grade Level: 10**
Prerequisite: None*; this is a required course for all 10th grade students*

Description: Health Education is a required subject for all students in Grade 10, beginning with the class of 2018. 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.

WELLNESS 9 **Credit/Term: .50/sem.**
Course Number: 908 (semester) **Grade Level: 9**
Prerequisite: None

- **Activities may include: Yoga, Pilates, aerobic dance, body pump routine, movement/gymnastics, body sculpting, and instructional swimming/water aerobics.**

Description: This course is an alternative course to the traditional physical education course 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 the equivalent to a three-week swimming unit. The yearlong class allows for participation in science labs on alternate days of the week.

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

- **Activities may include: ultimate Frisbee, speedball, ultimate football, flag football, soccer, softball, lacrosse. basketball, hockey, and volleyball.**

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.

PHYSICAL EDUCATION WITH LIFE GUARDING/STANDARD FIRST AID/CPR
Course Number: 923; There is a $50 fee for this course **Credit/Term: .50/sem.**
Prerequisite: Successful completion of one of the following courses: 900, 902, 925, or 908. **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.

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

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

- **Activities may include: Plyometrics, circuit training, flexibility, weight lifting, and aquatic activities.**

Description: 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.

INTRODUCTION TO CAREERS IN HEALTH AND SPORT **Credit/Term: .50/sem.**
Course Number: 927 **Grade Level: 10-12**
Prerequisite: Successful completion of one of the following courses: 900, 902, 925, or 908.
Students will have the opportunity to be First Aid and CPR Certified in this class.

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.

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

- **Activities may include: Yoga, Pilates, aerobic dance, body pump routine, movement/gymnastics, body sculpting, and instructional swimming/water aerobics.**

Description: This course is an alternative course to the traditional physical education course 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 the equivalent to a three-week swimming unit. The yearlong class allows for participation in science labs on alternate days of the week.

PARTNER'S PHYSICAL EDUCATION **Credit/Term: 50/sem.**
Course Number: 910 **Grade Level: 10-12**
Prerequisite: Application; Teacher recommendation

- **Since participation in this class is limited, an application must be completed and permission from the instructor is required. The application can be obtained in the guidance office.**

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 **Credit/Term: 50/sem.**
Course Number: 907 **Grade Level: 12**
Prerequisite: Anatomy & Physiology

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

Do you want to:

- ❒ **Prepare yourself for the workforce and postsecondary education at the same time?**
- ❒ **Earn college credit while in high school?**
- ❒ **Earn valuable industry certifications that make you employable right out of high school?**
- ❒ **Earn high school credit while working at a job site in your career field during the school day?**
- ❒ **Work side by side with friends from other high schools?**
- ❒ **Be a part of something extraordinary?**

If yes, then consider making Steel Center a part of your day!

STEEL CENTER FOR CAREER AND TECHNICAL EDUCATION

Students who attend Steel Center can gain a labor market advantage through active learning that meets the expectations of 21st century employers and colleges. Each program will guide students through rigorous career oriented practical activities reinforced through core academic instruction. Students' employability will be further promoted by their opportunity to gain Industry Standard Certifications required by local employers. Students also have the opportunity to join a Career and Technical Student Organization where they will learn leadership and citizenship principles. For more information about the opportunities offered at Steel Center, please visit www.steelcentertech.com.

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 2019-2020 COURSE OFFERINGS

Advertising & Design ***(Program of Study)*** **Grades 10-12**
CIP Code: 50.0402, 3 credits/year.

Industry Certifications Available: Adobe Certified Associate CS6 Photoshop, InDesign, Illustrator, NOCTI Skills Testing 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 Mechanics ***(Program of Study)*** **Grades 10-12**
CIP Code: 47.0604, 3 credits/year.

Industry Certifications Available: Pennsylvania State Automotive Safety Inspection, Pennsylvania State Emissions Inspection and EPA, NOCTI Skills Testing 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 credits/year.

Industry Certifications Available: National Registry of Food Safety Professionals (FSM), NOCTI Skills Testing 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 ***(Program of Study)*** **Grades 10-12**
CIP Code: 46.0401, 3 credits/year.

Industry Certifications Available: NOCTI Skills Testing Certification, Pennsylvania Builder's Association Certification (PBA), OSHA-10 Hour Training CareerSafe

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.

<u>Carpentry</u> *(Program of Study)* **Grades 10-12**
CIP Code: 46.0201, 3 credits/year.

Industry Certifications Available: NOCTI Skills Testing Certification, Pennsylvania Builder's Association Certification (PBA)

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 credits/year.

Industry Certifications Available: Collision Safety & Pollution Prevention (S/P2), I-CAR Welding, NOCTI Skills Testing 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.

<u>Computer Information Systems</u> *(Program of Study)* **Grades 10-12**
CIP Code: 52.1201, 3 credits/year.

Industry Certifications Available: Microsoft Certified Professional, NOCTI Skills Testing Certification

An instructional program that prepares individuals to apply technical knowledge and skills to support the design and development of software applications, manage data systems and related mathematical statistics for analysis and forecasting of business data, process and retrieve business information, and prepare and interpret process and data models. Students will create a relational database, receive instruction in a variety of computer programming languages including writing, testing and debugging code; writing related system user documentation; demonstrating an understanding of core computer concepts to include the internet and the basic functions of business desktop applications; and analyzing common hardware, software and network processes. Students will receive instruction in business ethics and law, economics, office procedures and communications. Students will learn office safety, computer fundamentals, database administration and computer maintenance/troubleshooting.

<u>Cosmetology</u> *(Tech Prep Articulation Agreement with Douglas Education Center)* **Grades 10-12**
CIP Code: 12.0401, 3 credits/year.

Industry Certifications Available: Cosmetology License, Manicurist, Esthetician, NOCTI Skills Testing 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 credits/year.

Industry Certifications Available: National Registry of Food Safety Professionals (FSM), NOCTI Skills Testing 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.

Electrical Construction ***(Program of Study)*** **Grades 10-12**
CIP Code: 46.0399, 3 credit/year.

Industry Certifications Available: NOCTI Skills Testing Certification, Pennsylvania Builder's Association Certification (PBA)

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.

Health Assistants ***(Program of Study)*** **Grades 10-12**
CIP Code: 51.0899, 3 credits/year.

Industry Certifications Available: Pennsylvania Nurse Aide Registry, Basic Life Support Health Care Providers, NOCTI Skills Testing 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 health care 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, Air Conditioning & Refrigeration ***(Program of Study)*** **Grades 10-12**
CIP Code: 47.0201, 3 credits/year.

Industry Certifications Available: EPA 608 Technician Certification, NOCTI Skills Testing Certification, Pennsylvania Builder's Association Certification (PBA)

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.

<u>Medium/Heavy Truck</u> (*Program of Study)* **Grades 10-12**
CIP Code: 47.0613, 3 credits/year.

Industry Certifications Available: Pennsylvania State Automotive Safety Inspection, Pennsylvania State Emissions Inspection and EPA, NOCTI Skills Testing 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.

<u>Protective Service</u> (Program *of Study)* **Grades 10-12**
CIP Code: 43.9999, 3 credits/year.

Industry Certifications Available: National Incident Management System, Emergency Medical Responder, Basic Life Support Health Care Providers, Hazardous Materials Response Awareness, NOCTI Skills Testing Certification

An instructional program that prepares individuals to apply technical knowledge and skills required for performing entry-level duties in law enforcement, firefighting, EMT and other safety services. This program stresses the techniques, methods and procedures peculiar to the areas of criminal justice and fire protection especially in emergency and disaster situations. Physical development and self- confidence skills are emphasized due to the nature of the specific occupation(s). In addition to the application of mathematics, communication, science and physics, students receive training in social and psychological skills, map reading, vehicle and equipment operations, the judicial system, pre-hospital emergency medical care and appropriate emergency assessment, treatment and communication.

<u>Welding</u> *(Program of Study)* **Grades 10-12**
CIP Code: 48.0508, 3 credits/year.

Industry Certifications Available: NOCTI Skills Testing Certification, American Welding Society Certification (forthcoming)

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.

Work Release

PROGRAM DESCRIPTION

- All 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 no credit will be awarded.

- In order to qualify for this program, a student must have a minimum of 19 credits by the end of their junior school year and the student must schedule 5 credits for their senior school year.

- It is the responsibility of the student to find and maintain a job. Failure to do so could result in the student being dropped from the program and returned to a full schedule at the high school.

- Students will be excused from school at the end of period 5 to attend Work Release.

2019-2020 BALDWIN HIGH SCHOOL STUDENT COURSE SELECTION SHEET

FEBRUARY 20: CURRICULUM NIGHT/4C YOUR FUTURE
FEBRUARY 20 - MARCH 1, 2019: ON-LINE COURSE SELECTION OPEN IN SKYWARD

FEBRUARY 27 - MARCH 1, 2019: STUDENTS COMPLETE COURSE REQUESTS

Subject	Grade 9 - 2023	Grade 10 - 2022	Grade 11 - 2021	Grade 12 - 2020
English	___ 102 English 9	___ 107 English 10	___ 111 English 11	___ 118 AP English Lit. & Comp.
	___ 103 H English 9	___ 108 H English 10	___ 114 AP English Lang. & Comp.	___ 170 Philosophy and Humanities
				___ 171 Com.Themes in Brit. & Sports Lit.
				___ 172 Shakespeare and Film
				___ 173 Lit. of Self Discovery
				___ 174 Divergent Literature
				___ 175 Sci. Fiction/Fantasy
				___123 CHS Philosophy &Literature
Social Studies	____202 US History and Government	___ 205 World History II	___209 Modern American History	___ 212 Society & Careers (sem.)
	____204 H. History and Government	___ 206 AP World History	___211 AP US History	___ 219 AP US Govt. & Politics
			___221 AP Economics	___ 221 AP Economics
				___ 241 CHS European History
Math	___ 305 Algebra I	___ 307 Algebra IB	___ 322 Algebra II	___ 324 Financial Algebra
	___ 306 Algebra IA	___ 312 Geometry	___ 323 H Algebra II	___ 333 College Alg/Trig
	___ 312 Geometry	___ 313 H Geometry	___ 333 College Alg/Trig	___ 340 H Calculus
	___ 313 H Geometry	___ 322 Algebra II	___ 334 H Trig/Precalc	___ 341 AP Calculus AB
	___ 323 H Algebra II	___ 323 H Algebra II	___ 340 H Calculus	___ 342 AP Calculus BC
	___ 334 H Trig/Precalc	___ 334 H Trig/Precalc	___ 341 AP Calculus AB	___ 351 AP Statistics
			___ 342 AP Calculus BC	___ 356 CHS Statistics
			___ 351 AP Statistics	___326 Financial Literacy
			___ 356 CHS Statistics	
Science	___ 400 Integrated Science	___ 405 H Anat. & Phys./1 lab	___ 405 H Anat. & Phys./1 lab	___ 405 H Anat. & Phys./1 lab
	___ 402 Biology	___ 411 Chemistry	___ 406 AP Biology/1 lab	___ 406 AP Biology/2 labs
	___ 403 H Biology/1 lab	___ 412 H Chemistry/1 lab	___ 415 AP Chem /1 lab	___ 415 AP Chem /2 labs
		___ 418 Applied Chemistry	___ 416 H Organic Chemistry	___ 416 H Organic Chem
		___ 433 Earth & Space Science	___ 418 App. Chemistry	___ 421 Physics/1 lab
			___ 420 Applied Physics	___ 423 AP Physics 1/2 labs
			___ 421 Physics	___ 425 AP Physics C/2 labs
			___ 422 H Physics/1 lab	___ 433 Earth & Space Science
			___ 425 AP Physics C/1 lab	___907 Exercise/ Sports Physiology
			___ 433 Earth & Space Science	
World Languages	___500 Spanish I	___500 Spanish I	___500 Spanish I	___500 Spanish I
	___501 Spanish II	___501 Spanish II	___501 Spanish I	___501 Spanish II
		___502 Spanish III	___502 Spanish III	___502 Spanish III
			___503 H Spanish IV	___503 H Spanish IV
				___504 AP Spanish Lang. & Culture
	___505 French I	___505 French I	___ 505 French I	___505 French I
	___506 French II	___506 French II	___506 French II	___506 French II
		___507 French III	___507 French III	___507 French III
			___508 H French IV	___508 H French IV
				___509 AP French Lang. & Culture
	___510 German I	___510 German I	___510 German I	___510 German I
	___511 German II	___511 German II	___511 German I	___511 German II
		___512 German III	___512 German III	___512 German III
			___513 H German IV	___513 H German IV
				___514 AP German Lang. & Culture
	___ 515 Latin I	___515 Latin I	___515 Latin I	___515 Latin I
		___516 Latin II	___516 Latin II	___516 Latin II
			___517 Latin III	___517 Latin III
				___518 CHS Latin IV
Tech	603 Introduction to Computer Science → ***Required for all Gr. 9***			
Physical	___900 PE	___902 PE/Basic Swim	___902 PE/Basic Swim	___902 PE/Basic Swim
	___902 PE/Basic Swim	___909 Wellness 10-12	___909 Wellness 10-12	___909 Wellness 10-12
	___908 Wellness 9	___910 Partners PE**	___910 Partners PE**	___910 Partners PE**
	___925 Strength Train.	___922 Team Sports	___922 Team Sports	___922 Team Sports
		___923 Lifeguard/CPR	___923 Lifeguard/CPR	___923 Lifeguard/CPR
		___924 Adv Outdoor Ed.	___924 Adv Outdoor Ed.	___924 Adv Outdoor Ed.
		___925 Strength Training	___925 Strength Training	___925 Strength Training
		___927 Intro. Career/Health & Sport	___927 Intro. Career/Health & Sport	___927 Intro. Career/Health & Sport
Health	***Required for all Gr. 10 →***	___904 Health		
Lunch	___ 960 HR/Lunch 9	___961 HR/Lunch 10	___962 HR/Lunch 11	___963 HR/Lunch 12
		___964 Steel Ctr Lunch AM	___966 Steel Ctr Lunch AM	___965 Steel Ctr Lunch AM

BALDWIN COURSE SELECTION SHEET 2019 - 2020 - PAGE 2

Electives, Arts & Humanities, and STEM Credits

Grade 9 - 12
Electives: 4.5 cr.
A & H: 3 cr.
STEM: 1 cr.

STEM: additional year of math or science, or designated STEM electives.

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.

** Requires teacher recommendation and/or application to enroll.

SEMESTER ELECTIVE COURSES

	COURSE	9	10	11	12				COURSE	9	10	11	12	
	126 Creative Writing	✓	✓	✓	✓	AH			715 CHS Digital Photography	✓	✓	✓	✓	AH
	127 Public Speaking	✓	✓	✓	✓	AH			716 Metalsmithing I	✓	✓	✓	✓	AH
	130 Intro to Journalism	✓	✓	✓	✓	AH			717 Metalsmithing II	✓	✓	✓	✓	AH
	132 Newspaper (Full Year)		✓	✓	✓	AH			719 Wood Crafts I	✓	✓	✓	✓	AH
	133 Newspaper (Semester)	✓	✓	✓	✓	AH			721 Wood Crafts II	✓	✓	✓	✓	AH
	137 Theatre	✓	✓	✓	✓	AH			722 CHS Graphic Design I	✓	✓	✓	✓	AH, S
	216 Psychology		✓	✓	✓	AH			723 CHS Graphic Design II	✓	✓	✓	✓	AH, S
	217 Psych. of Personality		✓	✓	✓	AH			740.5 Guitar	✓	✓	✓	✓	AH
	218 Intro. to Sociology		✓	✓	✓	AH			745 Music Technology and Theory	✓	✓	✓	✓	AH
	240 Leadership		✓	✓	✓	AH			800 Fabrication and Engineering	✓	✓	✓	✓	AH, S
	602 Intro. to Android App Dev.	✓	✓	✓	✓	S			802 Adv. Materials Production	✓	✓	✓	✓	AH, S
	604 Web Development	✓	✓	✓	✓	S			807 Advanced Fab Lab	✓	✓	✓	✓	AH, S
	607 Sports & Ent. Marketing	✓	✓	✓	✓				810 Graphics I	✓	✓	✓	✓	AH, S
	608 Intro. to Business	✓	✓	✓	✓				812 Advanced Robotics & Electric	✓	✓	✓	✓	AH, S
	609 International Business	✓	✓	✓	✓				822 Video Production I	✓	✓	✓	✓	AH, S
	610 Principles of Accounting I	✓	✓	✓	✓	S			823 CHS Video Production II	✓	✓	✓	✓	AH, S
	611 Principles of Accounting II	✓	✓	✓	✓	S			825 Fashion Design I	✓	✓	✓	✓	AH
	619 Entrepreneurship	✓	✓	✓	✓				827 Cooking Basics	✓	✓	✓	✓	AH
	620 Business & Personal Law	✓	✓	✓	✓				828 Child Development		✓	✓	✓	AH
	622 Visual Basic	✓	✓	✓	✓	S			829 Fashion Design II	✓	✓	✓	✓	AH
	625 CHS Java Programming	✓	✓	✓	✓	S			830 Nutrition and Foods	✓	✓	✓	✓	AH
	626 Intro Game Programming	✓	✓	✓	✓	S			831 Cooking Masters	✓	✓	✓	✓	AH
	628 Python Prog. I	✓	✓	✓	✓	S			837 Interior Design	✓	✓	✓	✓	AH
	629 CHS Phython Prog. II	✓	✓	✓	✓	S								
	706 Crafts I	✓	✓	✓	✓	AH								
	707 Crafts II	✓	✓	✓	✓	AH								
	709 Ceramics I	✓	✓	✓	✓	AH								
	710 Ceramics II	✓	✓	✓	✓	AH								
	712 Advanced Ceramics		✓	✓	✓	AH								
	714 CHS Digital Illustration	✓	✓	✓	✓	AH,S								

FULL-YEAR ELECTIVE COURSES

		9	10	11	12	Cr				9	10	11	12	Cr
	627 AP Computer Science Principles	✓	✓	✓	✓	S			737 Highlander Choir	✓	✓	✓	✓	AH
	700 Studio Art I	✓	✓	✓	✓	AH			741 Piano Class I	✓	✓	✓	✓	AH
	701 Studio Art II		✓	✓	✓	AH			742 Piano Class II		✓	✓	✓	AH
	702 Studio Art III			✓	✓	AH			741P Partners Music**	✓	✓	✓	✓	AH
	703 Studio Art IV				✓	AH			824 Production Studios**		✓	✓	✓	AH, S
	727 Wind Ensemble	✓	✓	✓	✓	AH			833 Preschool Education** 2 cr				✓	AH
	726 Symphonic Band	✓	✓	✓	✓	AH			953 Steel Center AM		✓	✓	✓	AH, S
	730 Orchestra	✓	✓	✓	✓	AH			957 Work Release (2 Pds.)** 0 cr				✓	
									959 Work Release Lunch (1 Pd.)**				✓	

Some courses may not be offered if they don't meet the minimum required number of required students.
Students will select alternate electives in case they are not able to schedule their first choice.

The 2019-2020 Curriculum Guide is available online at www.bwschools.net/bhs and at www.CounselingBHS.weebly.com

Baldwin-Whitehall School District

Board of School Directors

District Administration

Dr. Randal A. Lutz,
Superintendent

Denise L. Sedlacek, Assistant Superintendent

Mark R. Cherpak, Business Manager

Andrea T. Huffman, Director of Curriculum

Dr. Janeen M. Peretin, Director of Info. & Inst. Tech.

Marissa A. Gallagher, Supervisor of Pupil Services

Rachel L. Sprouse, Personnel Support Services Mgr.

Randy G. Huddart, Facilities Manager

David J. Tompkins, Transportation Manager

William E. Coddington, Dir. of Safety & Security

Joyce E. Weber, Food Service Director

Building Administration

Baldwin High School (9-12)
412-885-7500
Dr. Walter A. Graves, Principal
Candee A. Nagy, Assistant Principal
John M. Saras, Assistant Principal/Athletic Coord.
Joseph P. Sebestyen III, Assistant Principal

J.E. Harrison Middle School (6-8)
412-885-7530
Jill S. Fleming-Salopek, Principal
Scott D. Ross, Assistant Principal
Jonathan W. Peebles, Assistant Principal

McAnnulty Elementary (K-1)
412-714-2020
Heatherlyn D. Wessel, Principal

Paynter Elementary (K-5)
412-885-7535
Patricia J. Fusco, Principal
Alicia N. Johnson, Assistant Principal

Whitehall Elementary (2-5)
412-885-7525
Jennifer R. Marsteller, Principal
Brett M. Bielewicz, Assistant Principal

www.bwschools.net