

HIGHLANDS HIGH SCHOOL

Program of Studies

2021-2022



RAMS FOR LIFE!

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2021-2022

PROGRAM OF STUDIES

REQUIREMENTS FOR GRADUATION

- I. **GRADUATION REQUIREMENTS:** Graduation requirements reflect the standards set by the Pennsylvania Department of Education and the Highlands School District Board of Directors and Administration.

Graduating students must have demonstrated proficiency in the following areas: Reading, Writing, Mathematics, Science and Technology, and Environment and Ecology, as determined through successful completion of secondary level coursework in English Literature, Algebra I and Biology in which a Keystone Exam serves as end of course test.

Every student must successfully complete one credit of English, mathematics, science and social studies each year.

Currently, the minimum 24.5 credits required for graduation and participation in commencement exercises are:

English	4 credits
Social Studies	4 credits
Mathematics	4 credits
Science	4 credits
Electives	4 credits
PE/Health/Aquatics	2.5 credits
Arts/Humanities	2 credits

- II. **FUTURE READY PA INDEX:** An important component of Pennsylvania's Every Student Succeeds Act (ESSA) Consolidated State Plan is the creation of the Future Ready PA Index, a comprehensive, public-facing school progress report that includes a wide range of meaningful, evidence-based indicators. The Future Ready PA Index moves beyond a single, summative score to increase transparency around school and student group performance.

CAREER STANDARDS: School entities must demonstrate that students have met the full continuum of career readiness expectations as defined for each grade span. Specifically, evidence collection will validate the meaningful implementation of all four strands of the Career Education and Work standards. Grade span requirements are as follows:

- *By the end of grade 11, the student has produced eight additional pieces of evidence beyond the K-5 and 6-8 grade bands of evidence. At least two of these pieces of evidence must demonstrate implementation of the student's individualized career plan.*
- *Highlands High School requires that every student complete 2 hours of job shadowing and/or community service per year. A total of 8 hours is required for graduation.*

KEYSTONE EXAMS: All students must take the Algebra 1 and Literature Keystone assessments and achieve a passing score to fulfill this graduation requirement. Students who receive an unsatisfactory score on any of the tests will be required to demonstrate proficiency through completion of coursework and retesting or a LEA approved project based assessment.

In order to participate in commencement exercises, a senior must have completed all graduation requirements prior to commencement. Once students have successfully completed all requirements for graduation, they will have officially concluded their educational program at Highlands High School.

CREDIT EVALUATION

One credit equals a minimum of 200 minutes of classroom work per week for a period of 36 weeks. Partial units of credit granted by the Highlands School District represent 0.1 credit for each day a class meets during the six-day rotation. For example, a class or course that meets 3 periods each rotation for 36 weeks has a value of 0.5 credit.

Please review the minimum requirements for student promotion to the next grade level below.

<u>Grade Level</u>	<u>Credits</u>
Sophomores	5
Juniors	11
Seniors	17

SCHEDULE CHANGE/COURSE CHANGE POLICY

Accurately scheduling students in the required and elective courses that fit their educational plans is always our top priority. Students in grades eight through eleven receive their assignments for their core academic courses based on the recommendation of their current teacher under the guidance of the department chairperson. In the event that a parent feels that the scheduling recommendation is inappropriate, the parent can request a meeting with the building principal, the teacher, and the department chair to discuss the recommendation.

The only requests for schedule changes submitted to the school counselors **after July 19, 2022** are those that are the result of an error made by the school. **Students may not drop Honors, CHS, or AP courses after June 30, 2021. Students may not drop Band, Band Front, or Honors Band once summer Band Camp begins.** All appeals for schedule changes need approved, in writing, by the building principal. Schedule change request forms are available in the High School Counseling Office.

ADDITIONAL PROGRAMS INFORMATION

RELEASE TIME: Limited to seniors; students who apply for a release time/co-op program must have the department coordinator's recommendation. They must also be a student in good standing and on-track for graduation.

ADVANCED PLACEMENT: AP courses require college level thinking and learning. Colleges may grant credit based on scores on advanced placement tests administered in May. Students enrolled in Advanced Placement courses have an option take the AP exams for those subject areas. Highlands High School strongly recommends participating in the AP exams. Students who take the AP exams must do so at their own expense. Students who meet income requirements may be eligible for an exam fee waiver.

LIBRARY INSTRUCTION: Library instruction integrate student assignments in academic subjects with library resources. The Highlands High School Library supports the classroom curriculum by providing materials for student research and for recreational reading.

ARTS/HUMANITIES REQUIREMENT: All students are required to earn 2 course credits in Arts and Humanities to qualify for graduation. These credits are available in the areas of art, music, world language, technology, and English electives.

GIFTED AND TALENTED EDUCATION PROGRAM: The Highlands School District provides opportunities that promote the growth of skills and knowledge necessary for identified gifted students to achieve their potential and to fulfill their future roles in our ever-changing global society. Highlands recognizes the unique abilities, talents, interests and needs of intellectually gifted students, which require specially designed instruction.

SPECIAL EDUCATION PROGRAM: It is the policy of the Highlands School District that every child who qualifies for special education services will receive a free, public, and appropriate education. To the maximum extent possible, children with disabilities will be educated in the least restrictive environment. Student Placement decisions are made via the IEP team that includes the parents.

SCHOOL COUNSELING PROGRAM: Our school counseling department provides numerous services for our students and their families. Based on the national standards set forth by the American School Counselor Association's national model and the Pennsylvania Career Standards, the school counselors provide services to all students under the domains of personal/social, academic, and career. Classroom, small group, and individual interventions are the venue through which all students seize their opportunities to grow in each domain.

STUDENT ASSISTANCE PROGRAM (SAP): SAP is a formal, consistent, and systematic approach to the early identification of students with learning barriers resulting from a variety of stressors. This program provides for both school supports, and when necessary, community resources. SAP is an intervention, not a treatment program, which integrates a process of information gathering, intervention, and follow up through the SAP Team.

FORBES ROAD CAREER AND TECHNOLOGY CENTER (FRCTC): Highlands High School students have the opportunity to attend Forbes Road Career and Technology Center as part of their plan of study. Students begin the FRCTC as sophomores and continue through graduation, earning a Highlands diploma, in addition to recognized industry credentials. **Students should earn credits in 9th grade English, mathematics, science, and social studies for enrollment into the FRTC plan of study. Students should also earn two arts and humanities electives credits and satisfy their 9th grade physical education and health Requirements.**

(Please find Forbes Road CTC Application on our website www.goldenrams.com)

APPRENTICESHIP AND CAREER EXPLORATION PROGRAM: The Apprenticeship and Career Exploration (ACE) program is an educational partnership between Highlands High School and Oberg Industries. This program offers students a head start in learning the technological skills required to pursue a career in the challenging and lucrative advanced manufacturing industry. Throughout grades 9-11, students learn from Oberg representatives about various aspects of manufacturing such as career opportunities, geometric dimensioning, applied trigonometry, and mechatronics. Senior students who demonstrate mechanical aptitude and genuine interest in the field are encouraged to enroll in the state-certified pre-apprentice program which includes HHS coursework supplemented by on-site training at Oberg Industries.

NATIONAL HONOR SOCIETY: The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students. NHS serves to recognize those students who have demonstrated excellence in the areas of scholarship, service, leadership, and character.

HIGHLANDS VIRTUAL ACADEMY (HVA)

Students may choose to enroll in the Highlands Virtual Academy to earn credits toward graduation. To register for HVA, interested students must attend an orientation, along with their parent/guardian. Students enrolled in HVA may also attend Forbes Road Career and Technology School. Full-time and part-time HVA students are responsible for meeting all of Highlands School District graduation requirements in order to earn a diploma.

NOTE: THE ADMINISTRATION RESERVES THE RIGHT TO CANCEL ANY COURSE OFFERING OR TO ADJUST STUDENT SCHEDULES ON THE BASIS OF INSUFFICIENT ENROLLMENT AND/OR TEACHER AVAILABILITY.

GENERAL INSTRUCTIONS FOR PROGRAM OF STUDIES

1. Read course descriptions and consult with teachers about their course content and the subjects offered in their departments before making selections.
2. After completing grade nine, students should confirm that they fulfilled all graduation requirements. The school counselors can help students check their credits and required courses.
3. Minimum of three years of a world language is advised for any college-bound students.

ELECTIVES

ALL DEPARTMENTS

Practical Learning Strategies (9-12)

ENGLISH DEPARTMENT

Multimedia Design I (9-12)

Multimedia Design II (10-12)

Young Adult Literature (9-12)

Graphic Novels (9-12)

Sports Literature (10-12)

Drama (9-12)

Advanced Drama (9-12)

Creative Writers at Work (9-12)

Greatest Stories of All Time (9-12)

Ethical Dilemmas (9-12)

College and Career Prep (10-11)

Public Speaking (9-12)

SOCIAL STUDIES DEPARTMENT

Intro to Psychology (11-12)

CHS Intro to Psychology (11-12)

Intro to Sociology (11-12)

CHS Intro to Sociology (11-12)

AP European History (11-12)

AP United States History (10-12)

Holocaust and Genocide Studies (11-12)

Modern American History (10-12)

Constitutional Law (11-12)

Civil Rights (11-12)

MATH DEPARTMENT

CHS Probability & Statistics (*11th or 12th depending upon math level*)

CHS Business Calculus (11-12)

Advanced Computer Applications (9-12)

Keystone Algebra Intervention (10-11)

Introduction to Computer Science – Python (9-12)

AP Computer Science A – JAVA (10-12)

DISTRIBUTIVE EDUCATION

Marketing & Sales (9)

Retailing Principles (10-12)

International Business (11-12)

Accounting I (11-12)

Cooperative Work Experience (12)

SCIENCE DEPARTMENT

CHS Biology (10-12)
Honors Biology II (11-12)
AP Chemistry (11-12)
AP Physics (12)
Honors Anatomy & Physiology (12)
Earth & Space (11-12)
Natural Resources and Production Technology (12)
Geology and Planetary Science (12)
Natural Disasters and Environmental Issues (12)
Metrology (12)

FINE ARTS DEPARTMENT

Fundamentals of Visual Art (9-12)
Independent Art (12)
Drawing and Painting (10-12)
Ceramics (10-12)
Sculpture and Glass Fusing (10-12)
Printmaking and Mixed Media (10-12)
Jewelry and Metal (10-12)
Band (9-12, Director's approval)
Honors Band (9-12, Director's approval)
Stage Band (9-12, by audition, homeroom only)
Jazz Ensemble (9-12, by audition)
Band Front (by audition, 9-12)
Theory & Harmony I (9-12, Director's approval)
Honors Music Theory II (10-12, Director's approval)
Music Technology (9-12, Director's approval)
Mixed Concert Choir (9-10)
Concert Choir (11-12)
Honors Choir (10-12, by audition)
Vocal Techniques/Intro to Broadway and Beyond (9-12)
Broadway and Beyond (9-12)
Music and Magic (9-12)
General Music (9-12, school counselor placement)
Student Accompanist (9-12)

TECHNOLOGY EDUCATION

Technological Design (9-12)
Architectural CADD (9-12)
Honors Engineering CADD (10-12)
Robotics 1 (9-12)
Honors Robotics 2 (10-12)
Wood Manufacturing 1 (9-12)
Wood Manufacturing 2 (10-12)
Wood Manufacturing 3 (11-12)
Graphic Design (9-12)
ACE - Honors Precision Manufacturing (12)
Fundamentals of Home Ownership (9-12)
Board Game Design (9-12)

WORLD LANGUAGES

Spanish 1 (9-12)
 Spanish 2 (10-12)
 Spanish 3 (11-12)
 CHS Spanish 4 (12)
 German 1 (9-12)
 German 2 (10-12)
 German 3 (11-12)
 Honors German 4 (12)

HEALTH/PE

Wellness I (9)
 Adaptive Physical Education (9-12)
 Competitive Sports (10-12)
 Yoga (9-12)
 Personal Fitness (10-12)
 Walking for Wellness (10-12)
 Lifeguarding (9-12)
 Outdoor Pursuit (11-12)

OTHER

Fire Service Training Level 1(10-12)
 Fire Service Training Level 2 (11-12)

PRACTICAL LEARNING STRATEGIES		Credit Value: 1.0	
Prerequisites: Teacher Recommendation		Maximum Seats: 10	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Elective Courses
This course focuses on building strategies for learning across all content areas. Recommended students will develop self-advocacy skills, better test taking strategies, note taking skills, self-advocacy, organizational skills, and other individual needs.			

ENGLISH REQUIRED COURSES

One course per grade level

REQUIRED COURSES (4 CR TOTAL)	WKS	PDS	CR
Academic English (9-12)	36	daily	1
Honors English (9-11)	36	daily	1
AP English Language & Composition 11	36	daily	1
AP English Literature & Composition 12	36	daily	1

ACADEMIC ENGLISH 9		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
This course will focus on writing basics, which include grammar, usage, and style. Additionally, students will continue to develop skills needed to write paragraphs, essays, and short creative writing pieces that are exemplary from both a technical and creative standpoint. In all reading assignments, students will incorporate reading strategies to increase reading comprehension. Please submit all required papers to the turnitin.com system (See Research Requirement)*			
HONORS ENGLISH 9		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
This course will focus on writing basics, which include grammar, usage, and style. Additionally, students will continue to develop skills needed to write paragraphs, essays, and creative writing pieces that are exemplary from both a technical and creative standpoint. These essays may include: basic five-paragraph essays, compare and contrast essays, character analysis essays, and particulars and details essays. In all reading assignments, students will incorporate reading strategies to increase reading comprehension. Please submit all required papers to the turnitin.com system. (See Research Requirement)*			

ACADEMIC ENGLISH 10		Credit Value: 1.0	
<i>Prerequisites:</i> English 9		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Keystone Course
This course will focus on intermediate grammar, usage, and style. Additionally, they will continue to develop their vocabulary throughout the year in preparation for PSAT and Keystone exams. Students will practice their writing skills by composing paragraphs, essays, and creative writing pieces. In all reading assignments, students will use essential reading strategies to increase reading comprehension. Please submit all required papers to the turnitin.com system. (See Research Requirement)*			
HONORS ENGLISH 10		Credit Value: 1.0	
<i>Prerequisites:</i> English 9		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Keystone Course
This course challenges students to analyze multi-levels of literature including: novels, poetry, playwriting, and short stories. Students extensively review the literature and culture of the Greeks and Romans focusing on the Olympians, lesser gods, and heroes. Students are responsible for various projects, papers, and higher-level vocabulary skills throughout the course of the year. Please submit all required papers to the turnitin.com system. (See Research Requirement)*			
ACADEMIC ENGLISH 11		Credit Value: 1.0	
<i>Prerequisites:</i> English 10		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
This course design prepares students for post-graduate education. Literature covers American authors, sampling a variety of poetry, short stories and novels. Students will write in a variety of mediums and will complete an analytical research paper based on a novel of the student's choice. Additionally, there is a strong emphasis on vocabulary development, SAT preparation and grammar review to prepare students for a college setting. Students need to demonstrate strong communication skills through both individual and group presentations. Please submit all required papers to the turnitin.com system. (See Research Requirement)*			

HONORS ENGLISH 11		Credit Value: 1.0	
<i>Prerequisites:</i> English 10		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
<p>This course is offered to eleventh graders with an advanced emphasis to prepare students for the rigors of college. Literature covers American authors sampling a variety of poetry, short stories and novels. Students will write in a variety of mediums as well, and will complete an analytical research paper based on a novel of the student's choice. Additionally, there is a strong emphasis on vocabulary development, SAT preparation and grammar review to prepare students for a college setting. Students need to demonstrate strong communication skills through both individual and group presentations. Please submit all required papers to the turnitin.com system. (See Research Requirement)*</p>			
AP ENGLISH LANGUAGE AND COMPOSITION 11		Credit Value: 1.0	
<i>Prerequisites:</i> English 10		<i>Maximum Seats:</i> 25	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
<p>This course teaches students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the language contribute to effectiveness in writing. Students will write in several forms – narrative, exploratory, expository, and argumentative – on many different subjects from personal experience to public policies, from imaginative literature to popular culture. The overarching purpose is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives. The course will follow the AP College Board national syllabus. The reading list can be accessed at: http://www.collegeboard.com/student/testing/ap/sub_englang.html?englang . Please submit all required papers to the turnitin.com system (See Research Requirement)*</p>			

ACADEMIC ENGLISH 12		Credit Value: 1.0	
<i>Prerequisites:</i> English 11		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
<p>This course will prepare students for the demands of both the academic world and the working world. The course will focus on developing the skills necessary to read, interpret, and analyze texts. Readings for the course will be primarily from authors of the British Isles. Students will complete multiple writing assignments throughout the year including essays, research papers, and other creative writing projects. Becoming successful critical readers and writers will afford students the opportunity to “see” the world from a different and exciting vantage point. Please submit all required papers to the turnitin.com system (See Research Requirement)*</p>			
AP ENGLISH LITERATURE AND COMPOSITION 12		Credit Value: 1.0	
<i>Prerequisites:</i> English 11		<i>Maximum Seats:</i> 20	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> English <input type="checkbox"/> Elective Courses
<p>This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style, and themes as well as such small-scale elements as the use of figurative language, imagery, symbolism, and tone. Students will also be responsible for a senior research paper as well as frequent timed writings on poetry, prose, and novels. The course will follow the AP College Board national syllabus. The reading list can be accessed at: http://www.collegeboard.com/student/testing/ap/sub_englit.html?englit . Please submit all required papers to the turnitin.com system (See Research Requirement)*</p>			

ENGLISH ELECTIVE COURSES: YEAR LONG

ELECTIVE COURSES	WKS	PDS	CR
Multimedia Design Level I (9-12)	36	daily	1
Multimedia Design Level II (10-12)	36	daily	1
Sports Literature (10-12)	36	daily	1
College and Career Prep (10-11)	36	daily	1

MULTIMEDIA DESIGN 1		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 23	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course is an introductory course that works on the foundations of digital and multimedia design principles. Students will engage with Adobe Creative Suite in order to work with various media. Students will work with Adobe Photoshop, Adobe Premier Pro, and Adobe After Effects. Students will explore digital images as well as video media. By the end of the course, students will have a foundation in digital imagery as well as video production and editing. Some projects students will create include Photoshop images, original commercials, movie trailers, and original short movies. After completing the course, students can progress to Multimedia Design 2.</p>			
MULTIMEDIA DESIGN 2		Credit Value: 1.0	
<i>Prerequisite:</i> Multimedia Design 1		<i>Maximum Seats:</i> 23	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course will teach students advanced photography, camera functions, video editing, media analysis, and filmmaking. Students will work in groups to write, shoot, and edit their own movie projects. Sample student projects during the year include PSAs, commercials, short films, and music videos. Students screen selected films and/or clips during class throughout the year to enhance discussions and projects.</p>			

SPORTS LITERATURE		Credit Value: 1.0	
Prerequisites: None		Maximum Seats: 28	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course will focus on the use of sports in literature. Students will read various short stories, novels and magazine/ news articles, write their opinions, about several themes. Themes studied will include leadership and character, current trends, rivalries, definitions of success and failure, jinxes and fate, heroes, and coaching ethics.</p>			
COLLEGE AND CAREER PREPARATION		Credit Value: 1.0	
Prerequisites: NONE		Maximum Seats: 28	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course assists students explore direction beyond high school in either a career or a college setting by addressing topics such as tuition and fees, acceptance criteria, application procedures, resume creation, letters of recommendation, and college essays. The course will also expose students to career exploration via personality testing and research to uncover potential paths beyond high school and how best to prepare. Ultimately, the student will leave with a binder of materials that evidence their research and efforts that can serve them in future application processes.</p>			

ENGLISH ELECTIVE COURSES: SEMESTER LONG

COURSES	WKS	PDS	CR
Creative Writers at Work (9-12)	18	daily	0.5
Drama I (9-12)	18	daily	0.5
Advanced Drama (9-12)	18	daily	0.5
Ethical Dilemmas (9-12)	18	daily	0.5
Etymology I (Greek) (9-12)	18	daily	0.5
Etymology II (Latin) (9-12)	18	daily	0.5
Graphic Novels (10-12)	18	daily	0.5
Greatest Stories of All Time (9-12)	18	daily	0.5
Public Speaking (9-12)	18	daily	0.5
Young Adult Literature (10-12)	18	daily	0.5

CREATIVE WRITERS AT WORK		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course is an introduction to creative writing. Students will be encouraged to write both prose and poetry through a variety of stimulating in-class exercises and assignments. In addition, students will read excerpts from the best contemporary writing available and be taught how to imitate the key elements of style that make those words create an image on the page.</p>			

DRAMA I (Intro to theatre and acting)		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course introduces the basics of acting and stage. This course is a performance-based class that will incorporate spatial awareness, parts of a stage, emotional and sensory recall, characterization, voice, theatre etiquette, and improvisation. It includes accent monologues, basic scene writing and performance, basic improvisation techniques, and voice and articulation studies. For the fall semester, the students will introduce, rehearse, and presented in parts a one-act play. Students will also have the opportunity to perform in FALL FOLLIES. Dedicated class time will allow students to hone individual and group acts and performances.</p>			

ADVANCED DRAMA		Credit Value: 0.5	
<i>Prerequisites:</i> (prerequisite of DRAMA 1 & student demonstration/audition or instructor approval)		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course builds upon the students skills previously introduced to and developed in the basics of acting and stage. This course is a performance-based class designed to encourage active participation in the arts. Throughout the semester, students will combine performance, technical and management skills to create group productions. This semester will be devoted to theater production with advanced instruction in drama, music and movement. All members of the class will present a public performance. Attendance in this performance is mandatory. Other focus areas of the semester will be devoted to planning, selection, and technical aspects of a production and other theatre arts skills. The teaching approach provides opportunities for the students to work individually or to meet in small or large groups. Additional activities may include visitation by guest artists, or participation in field trips to professional venues. Before registering for the course, students must demonstrate for an instructor their abilities with dialogue skills, voice or dance, along with a recommendation from a language arts or music teacher. Students that qualify will receive recommendations for student registration.</p>			
ETHICAL DILEMMAS		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course gives students the chance to analyze and discuss all sides of various ethical dilemmas to help them consider their own beliefs on issues happening around the globe and on topics that affect all of us as human beings. Students will get a “first steps” introduction to philosophy and the ideas that drive our morals in society, as well as to psychology and sociology. Not only will we be working on improving our reading and writing skills through the various ethical dilemmas, we will be working on our critical thinking and argumentative skills as well.</p>			

GRAPHIC NOVELS		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course brings reading to life in an unconventional way, using graphic novels. Students will study and practice reading and interpreting both the text and images of the graphic novels. The additional visual component, as compared to text-only novels, requires students to develop their skills in multiple literacies so that they can “read” and understand concepts presented in multiple mediums simultaneously. The course aligns with the Pennsylvania Core Standards. Students will read, analyze, interpret, respond to, evaluate and compare graphic novels orally, in writing and in presentations. Students will read texts such as <i>Persepolis</i> (living in the Islamic Revolution), <i>Maus</i> (WWII and Holocaust survivors) and <i>American-Born Chinese</i> (Chinese folktales and the lives of second-generation immigrants.) These graphic novels have cross-curricular connections to Art, Art History, World Cultures, Psychology, Sociology and World Languages. The graphic novels also add to the multicultural diversity of the English curriculum. The course will encourage and increase student reading, creativity and analysis in challenging ways through easily-accessed texts relevant to students’ interests.</p>			
GREATEST STORIES OF ALL TIME		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course centers on popular stories of revenge, love, madness, and redemption from a variety of time periods that have withstood the test of time. This course will help students understand those classic stories without spending the time to read every single one.</p>			

YOUNG ADULT LITERATURE		Credit Value: 0.5	
Prerequisites: None		Maximum Seats: 28	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input type="checkbox"/> English <input checked="" type="checkbox"/> Elective Course
<p>This course increases the level of student reading, engagement with reading and in-depth analysis of worthy Young Adult Literature (YA) works in the context of a standard English classroom. Students will closely examine YA novels to study and consider the important literary concepts found in works of the standard English curriculum. Research suggests that reading and analyzing YA literature serves as an excellent gateway to understanding and analyzing rigorous literary works. Students will read, analyze, interpret, respond to, evaluate and compare literary concepts in the novels orally, in writing and in presentations. Texts such as <i>The Absolutely True Diary of a Part-Time Indian</i>, <i>The Hunger Games</i>, <i>The Perks of Being a Wallflower</i> and <i>Chains</i> have cross-curricular connections to World Cultures, American History, Psychology and Sociology.</p>			
PUBLIC SPEAKING		Credit Value: 0.5	
Prerequisites: None		Maximum Seats: 28	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input type="checkbox"/> English <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Course
<p>This course design allows students to develop their communication and rhetoric skills, which are essential for success in any career path. Students will prepare, research, and present informative, persuasive, demonstrative, and entertaining speeches; students will analyze and evaluate historic speeches as well as works from the present.</p>			

Research Requirement for All English Classes: All students in every English class / level will be responsible for completing the district's required research paper. This assignment will assist and encourage students continue to advance skills in all areas necessary to write exemplary research papers, such as, research, note taking, outlining, documentation and writing.

SOCIAL STUDIES REQUIRED COURSES

One course per grade level

REQUIRED COURSES (4.0 CR TOTAL)	WKS	PDS	CR
Aca/Hon United States History (9)	36	daily	1
Aca/Hon World Cultures (10)	36	daily	1
Aca/AP US Government & Politics (11, 12)	18/36	daily	0.5/1
Aca/AP Economics (11, 12)	18/36	daily	0.5/1

UNITED STATES HISTORY 9		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
This course will focus on US History from after the Civil War and Reconstruction. Students will examine the political, cultural, social, and economic history of the nation up through and including WWII. The course will integrate primary and secondary source documents with an emphasis on analysis, writing, and discussion.			
HONORS US HISTORY 9		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
This course will focus on US History after the Civil War and Reconstruction. Students will utilize primary source documents, critical thinking skills, and evaluative writing at an accelerated pace with more in depth coverage to examine the political, cultural, social, and economic history of the nation up through and including WWII. The course will integrate primary and secondary source documents with an emphasis on analysis, writing, and discussion.			

WORLD CULTURES		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
This course will examine global and cultural history. Students will investigate the people, events, conflicts, and customs of diverse groups from around the world, while analyzing both the past, and present. Students will participate in discussion, critically read and evaluate primary and secondary sources, compose essays, conduct research, and create projects to demonstrate their comprehension of course topics.			
HONORS WORLD CULTURES		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
This course will examine global and cultural history at an accelerated pace. Students will investigate the people, events, conflicts, and customs of diverse groups from around the world, while analyzing both the past, and present. Students will participate in discussion, critically read and evaluate primary and secondary sources, compose essays, conduct research, and create projects to demonstrate their comprehension of course topics.			
ACADEMIC US GOVERNMENT		Credit Value: 0 .5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
This course will provide an overview of the structure of the US government and the function of the branches of government. Special emphasis on founding documents such as the Constitution will drive course content. Students will examine both historical and current events as examples of the functions of government.			

AP US GOVERNMENT & POLITICS		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
<p>This course introduces student to the major American political institutions. Students will study the form and function of the three branches of government. They will also analyze issues related to civil liberties, constitutional rights, conflict between the branches, economic inequality and social issues, the role of political parties, the electoral process, and the political role of propaganda and the media. Students will examine historical and current events as examples of the functions of government. College credit is available for this course.</p>			
ACADEMIC ECONOMICS		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
<p>This course will examine theory and policy of Macroeconomics, which will include, but will not be limited to government spending, taxation, banking, and money. Students will discuss, analyze, and apply their study to contemporary issues by using periodicals and other primary sources as reference. The course will use examples of the Macro concepts as related to personal finance.</p>			
AP ECONOMICS		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
<p>This course is a theoretical introduction to supply and demand, consumer behavior, market structures, and pricing. A policy application to government spending and taxation will also be included but will not be part of the CHS aspect of the course. The course will use examples of the Micro concepts as related to personal finance. Students will discuss, analyze, and apply their study to contemporary issues through relevant examples. College credit is available for this course.</p>			

SOCIAL STUDIES ELECTIVES: YEAR LONG

ELECTIVE COURSES

	WKS	PDS	CR
AP United States History (10-12)	36	daily	1
AP European History (Grades 11-12)	36	daily	1

AP US HISTORY		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
<p>This course begins with early American colonization and continues up to the present. Students will engage in analytical reading and writing assignments to explore change over time and conflict and cooperation in US History. Emphasis on critical thinking skills, evaluative writing, and interpretation of primary sources is imperative for success. College credit is available for this course.</p>			
AP EUROPEAN HISTORY		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input type="checkbox"/> Elective Courses
<p>This course will explore the history of Europe from 1450 to the present and delve into the four major areas of development in the European world: cultural, economic, political and social ideals. Students will analyze major themes such as poverty and prosperity, institutions of power, Europe's interaction with the world, the rise and fall of states, and how the individual's role in society created Europe as we know it today. Students will also make connections in history across time and place. College credit is available for this course through an AP exam.</p>			

SOCIAL STUDIES ELECTIVES: SEMESTER

ELECTIVE COURSES	WKS	PDS	CR
Civil Rights Movement (11-12)	18	daily	0.5
Constitutional Law (11-12)	18	daily	0.5
Holocaust and Genocide Studies (11-12)	18	daily	0.5
Modern American History (10-12)	18	daily	0.5
Introduction to Psychology (11-12)	18	daily	0.5
CHS Introduction to Psychology (11-12)	18	daily	0.5
Introduction to Sociology (11-12)	18	daily	0.5
CHS Introduction to Sociology (11-12)	18	daily	0.5

CIVIL RIGHTS MOVEMENT		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Elective Courses
<p>This course will examine the US Civil Rights Movement in the twentieth century through analysis of primary sources, discussion, and critical reading. Student will begin by exploring the origins of the movement during the Progressive Era and then tracing the movement through WWI, the New Deal, WWII, and the Post War Era. Students will spend the majority of the course exploring the Movement in the 1950s and 1960s, including how the Movement fit into the larger context of American society and politics and its intersection with other mid-20th century movements.</p>			
CONSTITUTIONAL LAW		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Elective Courses
<p>This course will examine the behavior of American citizens and the responsibilities of US Supreme Court Justices. Students will interact with the judicial branch through a series of case studies. These studies include, but are not limited to, famous cases influencing the Bill of Rights and the other 17 Amendments. Students will apply their knowledge of constitutional law to modern day issues and debates through current events. Student role-play will be an integral part of the course activities.</p>			

HOLOCAUST & GENOCIDE		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course focuses on the Holocaust and other genocides through modern history including, but not limited to Rwanda and Bosnia. Students will engage through critical thinking, analysis, and the study of primary sources. Students will evaluate the significance of these events and the broader phenomenon of genocide in modern times. Students will express their analysis and thinking through writing, discussion, and projects.</p>			
MODERN AMERICAN HISTORY		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course focuses on the United States after WWII. Students will analyze the impact of WWII on subsequent decades, evaluate the United States as a world power, and investigate cultural changes in the United States over time. The course will rely heavily on student analysis and evaluation of primary sources.</p>			
INTRO TO PSYCHOLOGY		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course introduces students to the study of psychology and examines many of the theories and perspectives of the field throughout history. Students will specifically examine psychological concepts such as methods of observation, cognitive factors of learning, stages of memory, influences and measuring intelligence, human development, psychological disorders, types of personalities, and many various perspectives (theories and theorists). There will be an emphasis on developing critical thinking skills and students will demonstrate those skills through written assignments, project design, and classroom discussions.</p>			

CHS INTRO TO PSYCHOLOGY		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course introduces students to the study of psychology in an accelerated setting. Through discussions, debates, concept analysis, case studies, extensive research, written composition and project design, students will develop their own opinions and ideas concerning human nature. Students will also examine and be able to explain different perspectives and theories throughout the semester. College credit is available for this course.</p>			
INTRO TO SOCIOLOGY		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course introduces students to the study of sociology and examines many of the theories and perspectives of the field throughout history. Students will analyze sociological concepts such as cultural diversity, social change and control, agents of socialization, social stratification, social institutions, urban development, deviance, and crime. There will be an emphasis on developing critical thinking skills and students will demonstrate those skills through written assignments, project design, and classroom discussions.</p>			
CHS INTRO TO SOCIOLOGY		Credit Value: 0.5	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Social Studies <input checked="" type="checkbox"/> Electives Course
<p>This course introduces students to the study of sociology in an accelerated setting. Students will examine the impact of social relationships and groups on people and societies around the world. Through discussions, debates, concept analysis, case studies, extensive research, written composition and project design, students will develop their own opinions and ideas concerning human nature and society influences these people. College credit is available for this course.</p>			

MATHEMATICS REQUIRED COURSES

One course suggested per grade level

REQUIRED COURSES (4 CR TOTAL)	WKS	PDS	CR
Academic Algebra I (9)	36	daily	1
Academic Geometry (9-11)	36	daily	1
Honors Geometry (9)	36	daily	1
Academic Algebra II (9-12)	36	daily	1
Honors Algebra II (9-11)	36	daily	1
Academic Pre-calculus (11-12)	36	daily	1
Honors Pre-calculus (10-12)	36	daily	1
AP/CHS Calculus (10-12)	36	daily	1
CHS Calculus 2 (11-12)	36	daily	1
CHS Business Calculus (11-12)	36	daily	1
Prob & Stats/Elem Algebra/Personal Finance (12)	36	daily	1
CHS Probability and Statistics (11-12)	36	daily	1

ACADEMIC ALGEBRA I		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Keystone Course
<p>This course expects that students will formalize and expand on Algebraic concepts established in previous coursework. Students will deepen and extend their understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, and using functions. Students will fluently move between multiple representations of functions including but not limited to linear, exponential and quadratics.</p>			

ACADEMIC GEOMETRY		Credit Value: 1.0	
<i>Prerequisites:</i> Algebra I		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course design develops and promotes student reasoning and problem solving involving geometric concepts and properties. Topics of study include deductive reasoning using points, lines and planes; segments, angles and triangles; quadrilaterals; polygons; polyhedrons and circles. Integration of algebraic and geometric concepts assist in designing the rigor of the course.</p>			
HONORS GEOMETRY		Credit Value: 1.0	
<i>Prerequisites:</i> Hon Algebra I, 70%		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course design develops and promotes student reasoning and problem solving involving geometric concepts and properties. Topics of study will include deductive reasoning using points, lines, and planes; segments, angles, and triangles; quadrilaterals; polygons; polyhedrons and circles. . Integration of algebraic and geometric concepts assist in designing the rigor of the course. Topics are similar to Academic Geometry, but are covered at an accelerated pace and in more depth.</p>			
ACADEMIC ALGEBRA II		Credit Value: 1.0	
<i>Prerequisites:</i> Algebra I, Geometry		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course will focus on the extension of the number system to a complex field, elementary functions using multiple representations (graphical, numerical, algebraic and verbal) including linear, quadratic, polynomial, rational, exponential, and logarithmic functions, linear systems and matrices, probability and sequences and series. Problem solving mathematical practices influence the learning throughout the course. Students will use descriptive statistics and probability as a tool to make inferences.</p>			

HONORS ALGEBRA II		Credit Value: 1.0	
<i>Prerequisites:</i> Hon Algebra I, Hon Geometry at 70%,		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
This course will focus on the extension of the number system to a complex field, elementary functions using multiple representations (graphical, numerical, algebraic and verbal) including linear, quadratic, polynomial, rational, exponential, and logarithmic functions, linear systems and matrices, probability and sequences and series. Problem solving mathematical practices influence the learning throughout the course. Topics are similar to Academic Algebra II, but are covered at an accelerated pace and in more depth.			
ACADEMIC PRE-CALCULUS		Credit Value: 1.0	
<i>Prerequisites:</i> Algebra II		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
This course covers topics in Advanced Algebra, Trigonometry and Analytical Geometry. Completion of this course provides a solid base to continue with Calculus at the college level.			
HONORS PRE-CALCULUS		Credit Value: 1.0	
<i>Prerequisites:</i> Hon Algebra II at 75%,		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
This course covers selected topics in Advanced Algebra, Trigonometry and Analytical Geometry in depth. Students must be willing to spend additional preparation time for this course. Topics are similar to Academic Pre-calculus, but are covered at an accelerated pace and in more depth.			

AP CALCULUS		Credit Value: 1.0	
<i>Prerequisites:</i> Hon Pre-calculus at 75%, rec		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course covers theorems on limits, derivatives, integrals, applications of integration, transcendental functions and parametric equations. This course also requires extra preparation times. It is recommended that students enroll in the 'College in High School' program through the University of Pittsburgh to earn college credit that may be applied to most colleges or universities, or that students take the AP Calculus exam offered by the National College Board. Note: Students must take an online placement test and meet University of Pittsburgh required scores to enroll and be eligible to earn college credit.</p>			

CHS CALCULUS II		Credit Value: 1.0	
<i>Prerequisites:</i> AP Calculus at 75%, rec		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course continues the study of integration (substitution rules, partial fractions, improper integrals, areas between curves, applications to physics), vectors, parametric & polar curves, sequences and series, and differential equations. This course requires extra preparation time. Highlands High School recommends that students enroll in the 'College in High School' program through the University of Pittsburgh to earn college credit applicable to most colleges or universities, or that students take the National College Board's AP Calculus exam. Note: Students must take an online placement test and meet University of Pittsburgh required scores to enroll and be eligible to earn college credit.</p>			

CHS BUSINESS CALCULUS		Credit Value: 1.0	
<i>Prerequisites:</i> Hon Pre-calculus at 75%, rec		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course is an introduction to calculus for students interested in business, economics and other social sciences. Topics covered include derivatives, applications of derivatives, exponential and logarithmic functions and integration. Focus on the application of real life concepts provides rigor to the course. Highlands High School recommends that students enroll in the 'College in High School' program through the University of Pittsburgh to earn college credit. Note: Students must take an online placement test and meet University of Pittsburgh required scores to enroll and be eligible to earn credit.</p>			

PROB & STATS / ELEM ALGEBRA / PERSONAL FINANCE		Credit Value: 1.0	
<i>Prerequisites:</i> Algebra IB		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course covers topics of Algebra I (Keystone Exam specific) for review and reinforcement, methods of descriptive statistics and basic inferential statistics, and elements of personal finance. Students will also explore data collection, displaying and summarizing data, probability rules, confidence intervals, and fundamentals of hypothesis testing. Additionally, elements of Personal Finance topics such as banking basics, budgeting, and managing credit and debt will be explored. Students will work to demonstrate proficiency on their Keystone senior mathematics project during this course. Students will work to demonstrate proficiency on their Keystone senior mathematics project during this course.</p>			

CHS PROBABILITY & STATISTICS		Credit Value: 1.0	
<i>Prerequisites:</i> Pre-calculus, rec		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Mathematics <input type="checkbox"/> Elective Courses
<p>This course covers methods of descriptive and inferential statistics. Topics include data collection and description, hypothesis testing, correlation and regression, and the analysis of variance and contingency tables. Through the University of Pittsburgh's College in High School program, students may choose to earn college credit that is applicable to colleges or universities.</p>			

MATHEMATICS ELECTIVE COURSES: YEAR LONG

ELECTIVE COURSES	WKS	PDS	CR
Introduction to Computer Science – Python	36	daily	1
AP Computer Science A – Java	36	daily	1

INTRODUCTION TO COMPUTER SCIENCE - PYTHON		Credit Value: 1.0	
<i>Prerequisites:</i> Algebra 1B or Currently enrolled in Honors Geometry		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Courses
<p>This course offers 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 in computer science. The course allows students to work independently in text-based Python. The course also includes a career focus, where at the end of units, students meet (via videos) individuals from different industries who work in coding (medical, music, etc.).</p>			

AP COMPUTER SCIENCE A - JAVA		Credit Value: 1.0	
<i>Prerequisites:</i> Intro. to Comp. Sci. or Teacher Recommendation		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Courses
<p>This course is designed for 11-12 grade students who are serious about programming. Java requires a good mathematical background and strong problem-solving skills. The course will prepare students for the AP Computer Science exam. Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem-solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems.</p>			

MATHEMATICS ELECTIVES: SEMESTER

ELECTIVE COURSES	WKS	PDS	CR
Keystone Algebra Intervention	18	daily	0.5
Advanced Computer Applications (9-12)	18	daily	0.5

KEYSTONE ALGEBRA INTERVENTION		Credit Value: 0.5	
<i>Prerequisites:</i> Administrative rec		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Courses
<p>This course requires administrative placement. Students receive standardized test preparation as well as additional support for the content taught in their current mathematics course. Students can earn an elective credit upon successful completion of this course; it does NOT replace a mathematics class as one of the mathematics credits required for graduation. Student recommendations made from State and District assessments and teacher provided data.</p>			

ADVANCED COMPUTER APPLICATIONS		Credit Value: 0.5	
<i>Prerequisites:</i> Computer Applications		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Courses
<p>This course explores the advanced features of Excel such as complex formulas, Pivot tables, Pivot charts, and embedding and linking objects. This course introduces the components of a Microsoft Access database. Topics included are designing and creating tables, using existing databases to find and display data, using queries effectively, designing forms and reports.</p>			

SCIENCE DEPARTMENT

Course Listing

REQUIRED COURSES (4 CR TOTAL)	WKS	PDS	CREDITS
Honors Biology	36	6	1
Academic Biology	36	6	1
Science 9	36	6	1
Honors Chemistry	36	8	1.3
Academic Chemistry	36	8	1.3
Concepts of Chemistry	36	6	1
Honors Physics	36	8	1.3
Academic Physics	36	8	1.3
Environmental Science	36	6	1
Honors Biology II	36	6	1
College in High School Biology	36	8	1.3
AP Chemistry	36	8	1.3
AP Physics	36	8	1.3
Honors Anatomy and Physiology	36	6	1
Earth and Space	36	6	1
Honors Geology and Planetary Science	36	6	1
Natural Res and Pro Technology	36	6	1

SCIENCE DEPARTMENT REQUIRED COURSES

One course per grade level

HONORS BIOLOGY		Credit Value: 1.0	
Prerequisites: None		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Keystone Course
<p>This course is recommended for 9th grade students who are enrolled in both the honors science and math programs. Their teacher, based on student data, recommends these students during the 2nd semester of 8th grade. Honors Biology criteria includes grade point average, and standardized test scores. Students must be in the honors math program. The course will focus on ecology, cellular biology, molecular genetics, Mendelian genetics, photosynthesis and cellular respiration, energy and enzymes, evolution, taxonomy, microbiology (bacteria and viruses) and comparative anatomy and physiology. Instructional strategies include lecture, lab and individual or group projects/presentations. This course moves quickly, digs deeper into the curriculum standards, and requires two additional lab periods per week than Academic Biology.</p>			

ACADEMIC BIOLOGY		Credit Value: 1.0	
Prerequisites: Science 9		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Keystone Course
This course is required for academic-level 10 th grade students enrolled in Science 9 as a freshman. The course will focus on ecology, cellular biology, molecular genetics, Mendelian genetics, photosynthesis and cellular respiration, energy and enzymes, evolution, taxonomy, and comparative anatomy and physiology. Class instruction includes lecture, labs and individual or group projects/presentations.			
SCIENCE 9		Credit Value: 1.0	
Prerequisites: None		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is designed for academic 9 th grade students. This course will follow Next Generation Science Standards and PA State Eligible Content for Natural Resources and Ecology, the Nature of Science, characteristics of living things, and Biochemistry.			
HONORS CHEMISTRY		Credit Value: 1.3	
Prerequisites: Honors Biology, Geometry		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is required for all students who have successfully completed Geometry and Honors Biology. The course follows Next Generation Science Standards with an emphasis on PA Chemistry Standards, which include incorporating lab experiences, proper analysis of results, cooperative problem-solving skills, atomic structure, molar relationships, thermochemistry, formula writing, reaction prediction, bonding, gas laws, and acids. This course moves at a fast pace and prepares the student for Advanced Placement Chemistry.			

ACADEMIC CHEMISTRY		Credit Value: 1.3	
Prerequisites: Academic Biology		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is a required course for students in the academic program who have successfully completed Academic Biology. Lab experiences are a significant part of this class but less intense than Honors Chemistry. The course follows Next Generation Science Standards with an emphasis on PA Chemistry Standards, which include Matter classification, atomic theory, periodic table, electron placement, formula writing, identifying reactions, the Mole concept, stoichiometry, acid/base reactions and gas laws.			
CONCEPTS OF CHEMISTRY		Credit Value: 1.0	
Prerequisites: Academic Biology		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is required for students who have successfully completed Academic Biology and have scheduling constrictions or who have academic needs based on teacher recommendation. The presentation of the content is fluid and dictated by student needs with an emphasis on Next Generation Science Standards and PA Chemistry Standards. Topics covered are matter classification, atomic theory, periodic table, electron placement, formula writing, identifying reactions, the mole concept, stoichiometry, acid/base reactions and gas laws.			
HONORS PHYSICS		Credit Value: 1.3	
Prerequisites: Honors Chemistry		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is required for all 11 th grade students who are in both the honors science and math programs. Students must have successfully completed Honors Chemistry. Honors Physics emphasizes extensive lab experiences, proper interpretation and presentation of results, quantitative problem-solving skills, mechanics and dynamics, energy and heat, waves and sound, optics, electricity and magnetism. This course moves at a faster pace and at a more in-depth level than Academic Physics.			

ACADEMIC PHYSICS		Credit Value: 1.3	
Prerequisites: Chemistry		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is an elective course for 11 th -12 th grade students in the academic program who have successfully completed Academic Biology and Academic/Honors Chemistry. Academic Physics has an emphasis on extensive lab experiences, proper interpretation and presentation of results, quantitative problem-solving skills, mechanics and dynamics, energy and heat, waves and sound, optics and electricity.			
CHS BIOLOGY		Credit Value: 1.0	
Prerequisites: Honors Biology		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is an elective course that reflects the first semester of an introduction to general biology course taught in college. This course deals with life on the cellular, organismal, and population levels. It begins with in-depth concepts of cellular biology with an overview of biochemistry specific for cellular activity. The course continues into taxonomy, while introducing the fundamental phylogenetic relationships among major groups of living organisms. Discussion points on morphology, anatomy, phylogeny and reproduction are discussed pertinent to each group of living organisms (bacteria, protists, plants, invertebrates, and vertebrates). Finally, biological communities and ecosystems, exploring complex interactions between organisms and the living & non-living components of their environment will be discussed. (Emphasis is on population genetics and population ecology. This course is lab-intensive (including AP Biology labs and dissection). Those students who enroll will have the opportunity to receive college credits through Seton Hill University.			
HONORS BIOLOGY II		Credit Value: 1	
Prerequisites: Biology, Chemistry		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is designed for students who do not have the prerequisites for CHS Biology, but who wish to continue studies in the biological/medical-related sciences. The course begins by reviewing basic cell and biochemistry concepts. It continues into taxonomy, surveying the characteristics of each group of living organisms (bacteria, protists, plants, invertebrates, and vertebrates). This includes comparative anatomy studies. Although, emphasis is placed on viral and bacterial studies. Finally, discourse surrounding genetics and genetic technology engages the learners. Entry into the course requires written approval from the student's Biology AND Chemistry teachers.			

AP CHEMISTRY		Credit Value: 1.3	
Prerequisites: Honors Chemistry, Geometry		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
<p>This course is an elective course for students who have successfully completed Honors Chemistry or Academic Chemistry with a teacher recommendation. Students must exhibit in-depth problem solving skills as well as a strong work ethic. The in-depth studies and college level lab experiments will prepare students for college chemistry. Additional studies outside of class time are required to perform well on the AP exam. Content focuses on the six big ideas: Structure of Matter, Properties of Matter – Characteristics, States, and Forces of Attraction, Chemical Reactions, Rates of Chemical Reactions, Thermodynamics, and Equilibrium. Graphing calculators assist students with their learning. Tests and coursework will coordinate with approved College Board's Advanced Placement Chemistry course of study.</p>			

AP PHYSICS		Credit Value: 1.3	
Prerequisites: Honors Physics, AP Calculus		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input checked="" type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
<p>This course is an elective course for 12th grade students who participated in the honors program and demonstrate an interest or ability in Physics. Students must have successfully completed Honors Physics or Academic Physics with teacher approval. In addition, concurrent enrollment in or successful completion of AP Calculus is required. The in-depth studies and college-level lab experiments will prepare students for college physics. Highlands High School recommends that students enroll in the <i>College in High School</i> program through the University of Pittsburgh to earn 4 college credits applicable to most colleges or universities, or that students take the AP Physics C exam offered by the National College Board. This course serves as the foundation in physics for students majoring in the physical sciences or engineering at college. Content focuses on mechanics, dynamics, energy, rotational inertia, gravitation, oscillations, mechanical waves, the kinetic theory of gases, electricity and magnetism. A TI-83 plus graphing calculator is highly recommended. Students may be required to complete coursework during the summer, which may include readings, experiments and problem sets. Students must exhibit in-depth problem solving skills as well as a strong work ethic. The course requires solving a variety of challenging problems, some requiring the use of calculus.</p>			

HONORS ANATOMY AND PHYSIOLOGY		Credit Value: 1.0	
Prerequisites: CHS Biology/Biology II		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is an honors elective course for any 12 th grade student who has successfully completed Biology II or College in High School Biology. This course incorporates elements of human anatomy and physiology. Content focuses on anatomical terminology, tissues, the integumentary system, skeletal system, muscular system, cardiovascular system, urinary system, human development, blood and articulations of the body. This course is highly recommended for students who plan to pursue medical careers.			
EARTH AND SPACE		Credit Value: 1.0	
Prerequisites: Concepts of Chemistry		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is for students who have successfully completed three science courses, one of which must be Concepts of Chemistry. Earth and Space encompasses the disciplines of Geology, Meteorology and Astronomy. Students will engage in the creation of landforms and the modeling of weather and climate. Finally, the students will learn to identify the structure of the universe.			
HONORS GEOLOGY AND PLANETARY SCIENCES		Credit Value: 1.0	
Prerequisites: Chemistry		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is an elective course for 12 th grade students in the honors program or who have departmental approval. The course includes studies in Geology, Climatology, and Astronomy often utilizing math skills up to and including Algebra II. The students are expected to complete higher order assignments, homework, readings, and laboratory experiments.			

NATURAL RESOURCES AND PRODUCTION TECHNOLOGY		Credit Value: 1.0	
Prerequisites: Chemistry		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit For: <input checked="" type="checkbox"/> Science <input type="checkbox"/> Elective Courses
This course is an elective course recommended for students who have completed Academic Chemistry. The overall goal of the course is to understand the value that natural resources have for each person on the planet and the need to conserve them for future use. By the completion of the course, students will be able to demonstrate the current use of natural resources as well as articulate informed opinions on how they think they should be managed.			

DISTRIBUTIVE EDUCATION DEPARTMENT

Course Listing

ELECTIVE COURSES	WKS	PDS	CR
Marketing & Sales (9-12)	36	6	1
Retailing Principles (10-12)	36	6	1
International Business (11-12)	36	6	1
Accounting I (11-12)	36	6	1
Cooperative Work Experience (12)	36	6	1

MARKETING & SALES		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is the introductory offering in the Distributive Education Program. Students are presented with topics of marketing and sales including economics, marketing and business, marketing functions, pricing merchandise, marketing strategies, and goods and services. The second semester examines the selling process, the steps of a sale, closing the sale, customer-buying decisions, why customers buy, feature benefit selling and selling and product demonstrations. Students reinforce their marketing and sales skills by having the option of competing in DECA: An Association of Marketing Students.</p>			
RETAILING PRINCIPLES		Credit Value: 1.0	
<i>Prerequisites:</i> Marketing & Sales		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course focuses on the evolving retailing field. Students will study the dynamics of retailing, the free enterprise system, principles of promotion and advertising, types of retailing businesses, career opportunities in retailing and marketing businesses. Students will also learn proper customer service and selling techniques in retailing. Lastly, students will learn about the job search process, writing cover letters, resumes, networking events and how to ace the interview.</p>			

INTERNATIONAL BUSINESS		Credit Value: 1.0	
<i>Prerequisites:</i> Marketing & Sales		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course studies the world as the marketplace. Students will be presented with academic skill exercises that explain what is international business, cultural and social influences, international communications, importing, exporting, and international trade, currency and risk management affecting world trade, international career planning, and technology and the future global economy. The class will incorporate case studies to provide real-world learning opportunities. Tech trends highlights current and emerging applications of technology and the Internet used in international business. International business careers profile a variety of interesting careers in the world of international business and details skills and training needed to succeed in the global economy.</p>			
ACCOUNTING		Credit Value: 1.0	
<i>Prerequisites:</i> Marketing & Sales		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is designed to provide students with a strong foundation in accounting principles. Students will learn what business transactions are and how accountants use a double-entry system (debits and credits) to keep track of these transactions. Students will also study the complete accounting cycle of recording transactions, preparing financial statements, and “closing the books” for small, single-owner service and merchandising businesses. In the second semester students will learn about auto loans, home mortgages, insurance coverage, credit and how to build wealth. This course prepares students for post-secondary accounting courses</p>			
COOP WORK EXPERIENCE		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher recommendation		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course requires approval by the coordinator. One (1) credit will be earned for 120 hours of co-op experience.</p>			

FINE ARTS COURSE DESCRIPTIONS: VISUAL ART

Course Listing

ELECTIVES	WKS	PDS	CR
Fundamentals of Visual Art (9-12)	36	6	1
Drawing and Painting (10-12)	36	6	1
Ceramics (10-12)	36	6	1
Sculpture and Glass (10-12)	36	6	1
Printmaking and Mixed Media (10-12)	36	6	1
Jewelry and Metal (10-12)	36	6	1
Independent Art (12)	36	6	1

FUNDAMENTALS OF VISUAL ART		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course will teach students to apply the Elements and Principles of Design in drawing, printmaking, painting, sculpture, ceramics, jewelry, and glass.</p> <p>This course is the prerequisite for all other courses in the Visual Art department and students must pass with a 75% to advance to upper level art classes.</p>			
DRAWING & PAINTING		Credit Value: 1.0	
<i>Prerequisites:</i> Fundamentals		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course teaches students to build on their learning from Fundamentals and utilize a variety of drawing & painting media such as pencil, marker, pastel, ink, pencil, acrylic paint, watercolor, oil paint, and charcoal to create individualized artworks.</p>			

CERAMICS		Credit Value: 1.0	
<i>Prerequisites:</i> Fundamentals		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course teaches students to build on their learning from Fundamentals utilizing a variety of methods for creating clay artworks by handbuilding, throwing on the pottery wheel, and using a variety of firing methods to finish the pieces.			
SCULPTURE & GLASS		Credit Value: 1.0	
<i>Prerequisites:</i> Fundamentals		<i>Maximum Seats:</i> 15	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course teaches students to build on their learning from Fundamentals specifically focusing on creating 3 dimensional artworks using a variety of materials.			
PRINTMAKING & MIXED MEDIA		Credit Value: 1.0	
<i>Prerequisites:</i> Fundamentals		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course teaches students to create artworks building on learning from Fundamentals utilizing printmaking and mixed media techniques using a variety of materials.			
JEWELRY & METAL		Credit Value: 1.0	
<i>Prerequisites:</i> Fundamentals		<i>Maximum Seats:</i> 15	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course teaches students to create artworks building on learning from Fundamentals using a variety of materials with a focus on creating wearable works of art and other works of art that are created using metal working techniques and a variety of other media.			

INDEPENDENT ART		Credit Value: 1.0	
<i>Prerequisites:</i> FUND. & 3 STUDIO CLASSES WITH ACCEPTED APPLICATION		<i>Maximum Seats:</i> 6	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course requires teacher approval following a juried review of student's application. It is designed for highly motivated art students who have demonstrated a desire to design and create their own individualized course of visual art study. <u>Students must be able to meet 5 times a week for a full class period.</u>			

FINE ARTS COURSE DESCRIPTIONS: MUSIC

Course Listing

ELECTIVES	WKS	PD	CR
Band (9-12 by approval) *	36	daily	1
Honors Band (9-12, Director's approval)	36	daily	1
Band Front (9-12, by audition)	36		0.25
Jazz Ensemble (9-12, by audition)	36	daily	1
Stage Band (9-12, by audition, homeroom only)	36	daily	1
Theory and Harmony I (9-12, Director's approval)	36	daily	1
Honors Music Theory II (10-12 Director's approval)	36	daily	1
Music Technology (9-12, Director's approval)	36	daily	1
Mixed Concert Choir (9-10)	36	daily	1
Concert Choir (11-12) *	36	daily	1
Honors Choir (10-12, by audition)	36	daily	1
Student Accompanist (9-12, by audition)	36	Pd. 9	1
Music and Magic (9-12)	36 or 18	daily	1 or 0.5
Broadway and Beyond (9-12)	36 or 18	daily	1 or 0.5
General Music (9-12 school counselor placement)	36	daily	1

*Students may enroll in both Band and Concert Choir for 0.5 credit each (3 of 6 days for each ensemble in 6 day rotation, or 3 Band / 2 Choir in 5 day rotation), but are required to fulfill all requirements for both courses. Students are not permitted to drop Band, Band Front, or Honors Band once summer Band Camp Begins.

BAND		Credit Value: 1.0	
<i>Prerequisites:</i> Director's Approval		<i>Maximum Seats:</i> 90	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>Band is a curricular study of instrumental repertoire from varied eras and genres. Required performances include football games, community parades, school events and concerts (fall, winter and spring), and Commencement. <u>Members of the band will study units in both the Marching and Concert Band settings (year-long course)</u> and are required to attend all summer (Band Camp) and after-school rehearsals throughout the year. All Students are also required to attend lessons as scheduled by the Band Director. This is a 6 day/rotation, or 5 day/week class. Enrollment in fewer days is only granted for direct course conflicts, NOT for study halls. NO extra-curricular membership is granted. <u>Students will not be permitted to drop once summer Band Camp begins.</u> (Grades 9-12)</p> <p>*Students may enroll in both Band and Concert Choir for 0.5 credit each (3 of 6 days for each ensemble in 6 day rotation, or 3 Band / 2 Choir in 5 day rotation), but are required to fulfill all requirements for both courses. Students are not permitted to drop Band, Band Front, or Honors Band once summer Band Camp Begins.</p>			

HONORS BAND		Credit Value: 1.0	
Prerequisites: Director's Approval		Maximum Seats: 12	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course (scheduled concurrently with Band Class) provides an opportunity for accelerated students to broaden their music education while earning weighted credit for supplemental work. ALL prerequisites and course requirements for Band Class will apply to Honors Band. Students must be enrolled 6 days/rotation to fully benefit from any additional weight/credit. Supplemental coursework includes, but is not limited to auditioning for Alle-Kiski Honors Band and PMEA Honors Band; research projects based on the students' primary instruments, composers and performers; attendance at "outside" concerts, playing assessments, peer teaching (MS/Elem) and a student recital. <u>Students will not be permitted to drop once summer Band Camp begins.</u></p>			
BANDFRONT		Credit Value: .25	
Prerequisites: Audition & Director's Approval		Maximum Seats: n/a	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course is intended for members who have met the audition requirements for the band-front squads (Drill Team, Colorguard, Majorettes, Honorguard), AND do NOT know how to play an instrument. In order to maintain balanced enrollment between the marching and concert band ensembles, students currently enrolled in band (play an instrument), and pass the Band Front audition, are required to schedule Band Class. Students must meet all year-long marching requirements as stated for the "Band" class. Fundamentals of choreography, prop usage and marching are the key components of study and student performance. NO extra-curricular / non-graded membership is granted. <u>Students will not be permitted to drop once summer Band Camp begins.</u></p>			
JAZZ ENSEMBLE		Credit Value: 1.0	
Prerequisites: Enrollment in Band Class (for Winds and Percussion), Audition and/or Director's Approval		Maximum Seats: 30	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course is designed around the study of jazz history, scales (blues and various other modes), theory, jazz band and jazz combo literature, and improvisation. All instrumental sections will be limited in a manner yielding a full and balanced ensemble. Students are required to perform at all scheduled concerts and festivals. In addition to class time, attendance is also required at all before / after school rehearsals as scheduled by the Director. Students are permitted to enroll in both Jazz Ensemble and Stage Band if they meet the <u>prerequisites</u> and have room in their schedule. (Grades 9-12)</p>			

STAGE BAND		Credit Value: 1.0 - Period 9/Homeroom	
<i>Prerequisites:</i> Enrollment in Band class, Audition & Director's Approval		<i>Maximum Seats:</i> 50	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course is designed around the study of jazz history, scales (blues and various other modes), theory, big band literature and improvisation. All instrumental sections will be limited in a manner yielding a full and balanced ensemble. Students are required to perform at all scheduled concerts and festivals. In addition to class time, attendance is also required at all after school rehearsals as scheduled by the Director. Students are permitted to enroll in both Stage Band and Jazz Ensemble if they meet the <u>prerequisites</u> and have room in their schedule.			
THEORY AND HARMONY I		Credit Value: 1.0	
<i>Prerequisites:</i> Director's Approval		<i>Maximum Seats:</i> 10	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course will involve a study of the mechanics of music, key signatures, scales, intervals and chords in written and aural form. This course helps to prepare future music majors or minors for college level theory courses, and also services music enthusiasts who would like to know more about musical form. Students must have prior knowledge of music and be able to demonstrate musical literacy through instrumental or vocal performance, or ensemble participation. Current enrollment in choir or band is encouraged. Students must be able to apply the skills learned here via an instrument or voice. Basic piano skills are a plus.			
HONORS MUSIC THEORY II		Credit Value: 1.0	
<i>Prerequisites:</i> Theory and Harmony I (75%) Rec		<i>Maximum Seats:</i> 10	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
This course is designed to expand upon the fundamental skills of Theory & Harmony I, taking students to a deeper understanding of musical form and structure. Music Theory II offers an emphasis on aural training, solfeggio, and application. Students will explore arranging and composition based on standard and current literature, with projects involving performance of student work. Basic piano keyboarding is incorporated into many elements of this course.			

MUSIC TECHNOLOGY		Credit Value: 1.0	
<i>Prerequisites:</i> Music Literacy		<i>Maximum Seats:</i> 10	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course includes the study of the physics of sound, signal flow, stereo systems, multi-track recording, digital synthesizers, sequencers, computers, and Musical Instrumental Digital Interface (MIDI). Music Technology identifies the importance of digital audio workstations, various software programs, and studio & field recording. Prior to this course, students must have a strong and applied understanding of basic music theory (rhythm, melody, harmony & form). Here we will utilize electronically produced sound as a medium for creating and performing musical projects and compositions. Attendance at school performances outside of class may be required, as scheduled by the instructor.</p>			
CONCERT CHOIR		Credit Value: 1.0	
<i>Prerequisites:</i> N/A		<i>Maximum Seats:</i> 70	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course is a large choral ensemble open to all students who are interested in developing their singing skills and musical understanding. Concert Choir will be scheduled and structured towards upperclassmen in grades 11 – 12, and any advanced vocalist that is interested in participating in a more mature music elective. Fundamental vocal techniques and music reading skills will be emphasized through rehearsal and performance. Three, four-part choral literature of various styles and periods will be performed. Students enrolled are expected and required to perform in all performances scheduled for the ensemble, both during and outside of the school day. Fall semester will consist of three major concerts plus multiple school and community performances. The Spring semester will consist of one major concert plus multiple school and community performances.</p> <p>*Students may enroll in both Band and Concert Choir for 0.5 credit each (3 of 6 days for each ensemble in 6 day rotation, or 3 Band / 2 Choir in 5 day rotation), but are required to fulfill all requirements for both courses. Students are not permitted to drop Band, Band Front, or Honors Band once summer Band Camp Begins.</p>			

MIXED CONCERT CHOIR		Credit Value: 1.0	
<i>Prerequisites:</i> Audition & Choral Director's Approval		<i>Maximum Seats:</i> 70	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course is a large choral ensemble open to all students who are interested in developing their singing skills and musical understanding. Mixed Concert Choir will be scheduled and structured toward underclassmen in grades 9 – 10, and any beginner vocalist that is interested in participating in a music elective for the first time. Fundamental vocal techniques and music reading skills will be emphasized through rehearsal and performance. Three, four-part choral literature of various styles and periods will be performed. Students enrolled are expected and required to perform in all performances scheduled for the ensemble, both during and outside of the school day. Fall semester will consist of three major concerts plus multiple school and community performances. Spring semester will consist of one major concert plus multiple school and community performances.</p>			
HONORS CHOIR		Credit Value: 1.0	
<i>Prerequisites:</i> Audition & Choral Director's Approval		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course is a weighted course that is designed for the advanced choral students who demonstrated mastery of individual and choral vocal techniques, as well as music reading skills. Four, eight-part choral literature of various styles and periods will be performed. Total enrollment in the ensemble is determined by the necessary balance of voice parts. Due to the challenging, advanced repertoire, and multiple public performances, students are required to enroll in this course 6 days of the A-F Rotation Schedule. Honors Choir will perform frequently at school and community events. Students enrolled are expected and required to perform in all performances scheduled for the ensemble, both during and outside of the school day. Fall semester will consist of three major concerts plus multiple school and community performances. Spring semester will consist of one major concert plus multiple school and community performances.</p>			
BROADWAY AND BEYOND		Credit Value: 1.0 or 0.5	
<i>Prerequisites:</i> N/A		<i>Maximum Seats:</i> 15	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course will help students continue to develop and improve six fundamental vocal techniques: Expression, Diction, Embouchure, Breathing, Posture, and Relaxation. Individual singing for assessment and peer review will be required with solo performances. Students will research historical composition and performance techniques of musicals, explore musical plots in the context of social trends or influences, re-enact scripted musical material, and perform songs from show productions. Students will engage with musical set design, scene structure, and character analysis.</p>			

MUSIC AND MAGIC		Credit Value: 1.0 (Full Year) or 0.5 (semester)	
<i>Prerequisites:</i> N/A		<i>Maximum Seats:</i> 16	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course will parallel similar concepts and structure as the Broadway and Beyond music elective. However, Music and Magic is specifically geared toward exploring only Disney musicals, the philosophy of magical moments, and researching musicals released by www.mtishows.com for high schools to license. Music and Magic will be taught by a former Disney Cast Member of 10 years, sharing a performer's "four keys to success." Students will research historical composition and performance techniques of Disney musicals, explore Disney musical plots in the context of social trends or influences, reenact scripted Disney musical material, and perform songs from Disney show productions. Students will also engage with Disney musical set design, scene structure, and character analysis. Recommendation for Music and Magic asks for student involvement in one of the choral performance ensembles (Honors Choir, Concert Choir, Variations Show Choir, or Musical) but not required.</p>			
STUDENT ACCOMPANIST		Credit Value: 1.0 (period 9)	
<i>Prerequisites:</i> Audition based and Choral Director's approval (Independent Study)		<i>Maximum Seats:</i> 4	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This course requires a student accompanist will need to demonstrate mastery of music reading skills and piano performance for choral ensembles. Maximum enrollment for Period 9 "Independent Study" is nine. Student accompanists are expected and required to perform in all dress rehearsals and performances scheduled for the ensemble, both during and outside of the school day. Fall semester will consist of three major concerts plus multiple school and community performances. Spring semester will consist of one major concert plus multiple school and community performances.</p>			
GENERAL MUSIC		Credit Value: 1.0	
<i>Prerequisites:</i> Choral Director and School Counselor Recommendation/Placement		<i>Maximum Seats:</i> 4	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Arts/Humanities
<p>This General Music course explores a variety of topics that include: music theory, music history, musical theater, musical production, vocal techniques, and choral performance. Each music concept will be adapted and modified to meet the needs of the individual students while emphasizing their educational goals.</p>			

TECHNOLOGY EDUCATION

Course Listing

COURSE	WKS	PDS	CR
Architectural CADD (9-12)	18	1	0.5
Engineering Essentials (9-12)	18	1	0.5
Evolution of Games (9-12)	18	1	0.5
Graphic Design (9-12)	18	1	0.5
Home Maintenance (9-12)	18	1	0.5
Robotics 1 (9-12)	18	1	0.5
Wood Manufacturing 1 (9-12)	18	1	0.5
Honors Engineering CADD (10-12)	36	1	1
Honors Robotics 2 (10-12)	36	1	1
Wood Manufacturing 2 (10-12)	36	1	1
Wood Manufacturing 3 (11-12)	36	1	1
Precision Machining Technology (12 - Oberg)	36	1	1

Technology Education Course Descriptions

ARCHITECTURAL CADD		Credit Value: 0.5	
<i>Prerequisites:</i> NONE		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
This course is a computer aided drafting class that is recommended for students who have a definite interest in civil engineering. This course teaches various aspects of commercial and residential architectural design. Plot plans, elevations, construction details, floor plans, three dimensional building design, and model construction will all be explored. Students will use the latest version of the AutoCAD and Revit software programs.			

ENGINEERING ESSENTIALS		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>Engineering Essentials offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, simple and complex machines, and communicating technical designs through engineering graphics. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.</p>			
EVOLUTION OF GAMES		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>Today's professional game designers understand and implement dynamics from many different types of games in their blockbuster hits. In this course, you'll explore ancient cultures, their games, and how they designed games using available technology and resources. In addition to experiencing the benefits game playing has within a society, you will prototype and play games. Projects will require hands-on design using 3d Printing, Laser Engraving, and vector design software (Adobe Illustrator) as you experience creating your own original game.</p>			
GRAPHIC DESIGN		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course introduces students to the broad field of Graphic and Visual Communications. In this lab based course, students will explore four fields of graphic design: Desktop Publishing, Vinyl Stickers and Posters, T-shirt Design, and Laser Engraving Technology. Throughout the year, broad concepts will be unified into individual projects using modern graphic design software such as Adobe PhotoShop, Illustrator, and CorelDraw. Most of the course work is hands on and requires the student to use creative and analytical thinking to complete projects.</p>			

HOME MAINTENANCE		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>Home Maintenance is designed for students who show interest in the care and upkeep of mechanical systems inside of residential homes. Lab topics include hands-on activities in the fields of framing, drywall hanging/finishing, flooring, finish trim work, residential plumbing and electrical systems, as well as heating, ventilation, and air conditioning (HVAC). Maintenance covers basic house construction and use of hand and portable power tools for wood and other materials used in normal repairs. Classroom instruction is combined with hands-on experiences in performing tasks similar to those required in the home.</p>			
ROBOTICS I		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 22	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is designed to provide students with a basic understanding of robotic systems such as control, guidance, propulsion, suspension, power, and autonomous programming. Students will create small robots (using VEX Robotics kits) designed for specific tasks such as sorting mail, stacking blocks, pouring a glass of water, etc. This course also integrates Science, Math, and Engineering principles as well as the use of computer software (Autodesk <i>Inventor</i>) as it applies robotic design. Students will have the opportunity to compete in Robotics competitions against other high schools within the region. Robotics 1 is also designed to prepare students for the Introduction to Engineering (<i>College in High School</i> -3 cr.) course offered through Robert Morris University.</p>			
WOOD MANUFACTURING 1		Credit Value: 0.5	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is an introduction to hand and power tool operations as related to the woodworking industry. Students will be able to read and interpret a set of drawings in order to create physical projects such as a Cutting Board, Dresser-top Box, a Rustic Tote, Wall-Mount Hat Rack, Birdfeeder, Video Game Shelf. Projects are introductory in nature and will be assembled using fasteners such as screws and nails. In addition, students will have the opportunity to utilize specialty machines and computer software such as a Laser Engraver and CNC Router to personalize each project.</p>			

Honors Engineering CADD		Credit Value: 1.0	
Prerequisites: NONE		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course focuses on 3-dimensional computer aided drawing & design (CADD). Students will use computer software to design and/or recreate virtual 3D-models of mechanical objects. Using the Autodesk Inventor software program, the students become the engineers as they design objects such as 3-dimensional dice, chess pieces, geared machines, automobile wheels, and small board games. The culminating activity deals with Reverse Engineering, in which the students disassemble a complex object and recreate a virtual model of the object.</p>			
HONORS ROBOTICS 2		Credit Value: 1.0	
Prerequisites: Robotics I		Maximum Seats: 22	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is a continuation of Robotics 1, and students will gain an in depth understanding of robotic systems such as control, guidance, propulsion, suspension, power, and autonomous programming. Emphasis of the second level course is on computer programming as it relates to autonomous functions and robotic control. Students will have the opportunity to compete in Robotics competitions against other high schools within the region. Robotics 2 is also designed to prepare students for the Introduction to Engineering (<i>College in High School</i> -3 cr.) course offered through Robert Morris University.</p>			
WOOD MANUFACTURING 2		Credit Value: 1.0	
Prerequisites: Wood Manufacturing 1		Maximum Seats: 24	
Duration: <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	Grade Level: <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	Graduation Obligation: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	Credit for: <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is a continuation of Wood Manufacturing 1. Students will explore advanced woodworking techniques to produce larger scale projects such as a stool, wall cabinet, and table. Throughout the course, students will explore advanced design & planning, production, joinery and assembly, as well as finishing techniques. The culminating project requires students to design plans and fabricate a project of their choosing from scratch. NOTE: due to the open-ended nature of the final project, additional materials (such as project-specific hardware) may need to be supplied by the student.</p>			

WOOD MANUFACTURING 3		Credit Value: 1.0	
<i>Prerequisites:</i> Wood Manufacturing 1 & 2		<i>Maximum Seats:</i> 24	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course is a continuation of Wood Manufacturing 2. Students will explore advanced woodworking techniques to produce more in-depth projects. Throughout the course, students will explore advanced design & planning, production, joinery and assembly, as well as finishing techniques. The culminating project requires students to design plans and fabricate a project of their choosing from scratch. <u>NOTE:</u> due to the open-ended nature of the final project, additional materials (such as project-specific hardware) may need to be supplied by the student.</p>			
PRECISION MACHINING TECHNOLOGY (OBERG COURSE)		Credit Value: 1.0	
<i>Prerequisites:</i> Instructor Approval		<i>Maximum Seats:</i> 15	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input type="checkbox"/> Arts/Humanities
<p>This course immerses students into the exciting and lucrative career paths in the field of Precision Manufacturing. Designed for students in the Apprentice Career Exploration (ACE) Program, content covered in this class include job planning, blueprint reading and GD&T, precision measurement, turning, milling, and grinding, as well as an introduction to Computer Numeric Control (CNC) milling and routing. Students enrolled will also prepare to take the National Tooling and Machining Association (NTMA) aptitude test, and help to get placed in a career within the community.</p>			

WORLD LANGUAGES DEPARTMENT
Course Listing

COURSE	WKS	PDS	CR
German I (9-12)	36	daily	1
German II (10-12)	36	daily	1
German III (11-12)	36	daily	1
Honors German IV (12)	36	daily	1
Spanish I (9-12)	36	daily	1
Spanish II (10-12)	36	daily	1
Spanish III (11-12)	36	daily	1
CHS Spanish IV (12)	36	daily	1

GERMAN 1		Credit Value: 1.0	
<i>Prerequisites:</i> NONE		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning German. The goal of the course is the acquisition of a useful, communicative command of the language at a novice-low to novice-mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., introducing and describing yourself and others, discussing your class schedule, interpreting infographics, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.</p>			
GERMAN 2		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning German. The goal of the course is the acquisition of a useful, communicative command of the language at a novice-mid to novice-high level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., ordering a meal, visiting a</p>			

doctor's office, shopping in a clothing store, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.

GERMAN 3		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation and 70% or higher in German 2		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in intermediate German. The goal of the course is the acquisition of a useful, communicative command of the language at the novice-high to intermediate-low level on the national scale as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language tasks of functions (e.g., making travel arrangements, discussing global concepts of beauty, interpreting children's books, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.</p>			
HONORS GERMAN 4		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation and 70% or higher in German 3		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in intermediate German. The goal of the course is the acquisition of a useful, communicative command of the language at an intermediate-low to intermediate-mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Education Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., conversing with an exchange student, discussing current events, analyzing environmental problems, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.</p>			

SPANISH 1		Credit Value: 1.0	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at a novice-low to novice-mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., introducing and describing yourself and others, discussing your class schedule, interpreting infographics, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.</p>			
SPANISH 2		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in beginning Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at a novice-mid to novice-high level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., ordering a meal, visiting a doctor's office, shopping in a clothing store, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs.</p>			

SPANISH 3		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation and 70% or higher in Spanish 2		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading and writing skills in intermediate Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at the novice-high to intermediate-low level on the national scale as established by the American Council on the Teaching of Foreign Languages and the Educational Testing Service. This goal will be realized through maximum exposure to authentic target-language tasks of functions (e.g., making travel arrangements, discussing global concepts of beauty, interpreting children's books, etc.) and exploration of cultural subtleties conveyed by language, thought and customs.</p>			
CHS SPANISH 4		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation and 70% or higher in Spanish 3		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> World Language
<p>This course is part of a proficiency-based language program designed to provide maximum opportunities for students to develop functional listening, speaking, reading, and writing skills in intermediate Spanish. The goal of the course is the acquisition of a useful, communicative command of the language at an intermediate-low to intermediate-mid level on the national scale, as established by the American Council on the Teaching of Foreign Languages and the Education Testing Service. This goal will be realized through maximum exposure to authentic target-language input (oral and visual), active oral and written practice of real-life language tasks or functions (e.g., conversing with an exchange student, discussing current events, analyzing environmental problems, etc.), and exploration of cultural subtleties conveyed by language, thought, and customs. It is recommended that students enroll in the college in high school Scholar Program through La Roche College to earn college credit.</p>			

If HVA German 3,4 or Spanish 3,4 are not being offered, the following independent study courses are possible options.

INDEPENDENT German 3 (11-12)— This course is designed for highly motivated students with the desire to continue their study of German. Students must be able to meet every day of the week for a full class period. This must consist of 4 days with the German 3 class as scheduled, and 2 other days in a study hall setting with the teacher of record. Students will complete all assigned classwork that is given in the regular class and be graded based on completion of contract established with the teacher.

Prerequisites: Must have taken and passed levels 1 and 2 German with a minimum of 95%. Requires teacher approval following review of grades in both level 1 and 2 as well as work ethic demonstrated in prior classes. Also requires the approval of the World Language Department Chair and the Principals.

INDEPENDENT German 4 (12)—This course is designed for highly motivated students with the desire to continue their study of German. Students must be able to meet every day of the week for a full class period. This must consist of 4 days with the German 3 class as scheduled, and 2 other days in a study hall setting with the teacher of record. Students will complete all assigned classwork that is given in the regular class and be graded based on completion of contract established with the teacher.

Prerequisites: Must have taken and passed levels 1, 2 and 3 German with a minimum of 95%. Requires teacher approval following review of grades in both level 1 and 2 as well as work ethic demonstrated in prior classes. Also requires the approval of the World Language Department Chair and the Principals.

INDEPENDENT Spanish 3 (11-12)— This course is designed for highly motivated students with the desire to continue their study of Spanish. Students must be able to meet every day of the week for a full class period. This must consist of 4 days with the Spanish 3 class as scheduled, and 2 other days in a study hall setting with the teacher of record. Students will complete all assigned classwork that is given in the regular class and be graded based on completion of contract established with the teacher.

Prerequisites: Must have taken and passed levels 1 and 2 Spanish with a minimum of 95%. Requires teacher approval following review of grades in both level 1 and 2 as well as work ethic demonstrated in prior classes. Also requires the approval of the World Language Department Chair and the Principals.

INDEPENDENT Spanish 4 (12)— This course is designed for highly motivated students with the desire to continue their study of Spanish. Students must be able to meet every day of the week for a full class period. This must consist of 4 days with the Spanish 3 class as scheduled, and 2 other days in a study hall setting with the teacher of record. Students will complete all assigned classwork that is given in the regular class and be graded based on completion of contract established with the teacher.

Prerequisites: Must have taken and passed levels 1, 2 and 3 Spanish with a minimum of 95%. Requires teacher approval following review of grades in both level 1 and 2 as well as work ethic demonstrated in prior classes. Also requires the approval of the World Language Department Chair and the Principals.

HEALTH/PHYSICAL EDUCATION DEPARTMENT

Course Listing

COURSE	WKS	PDS	CR
Wellness I (9)	18	6	0.5
Adapted Physical Education (9-12)	36	6	1
Competitive Sports (10-12)	18	6	0.5
Yoga (10-12)	18	6	0.5
Personal Fitness (10-12)	18	6	0.5
Walking for Wellness (10-12)	18	6	0.5
Lifeguarding (10-12)	18	6	0.5
Outdoor Pursuit (10-12)	18	6	0.5

WELLNESS I (Physical Education & Health)		Credit Value: 1.0 (0.5 PE / 0.5 Health)	
<i>Prerequisites:</i> NONE		<i>Maximum Seats:</i> n/a	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit for:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Physical Education
This course design provides students with an opportunity to learn about physical, mental, emotional, and social aspects of health. An emphasis on making healthy decisions that will lead to a higher quality of life. Content will include personal goal setting, stress management, proper nutrition, drug and alcohol awareness, human growth development, and personal safety.			

ADAPTIVE PHYSICAL EDUCATION		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation		<i>Maximum Seats:</i> n/a	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester	<i>Grade Level:</i> <input checked="" type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input type="checkbox"/> Elective	<i>Credit for:</i> <input type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Physical Education
This course is similar to regular physical education classes except that class size is smaller to permit concentrated development in coordination, strength, flexibility, and improved physical fitness. Skills for individual and team sports will be adjusted to individual needs. <i>Teacher and/or administrative recommendation is required.</i>			

COMPETITIVE SPORTS		Credit Value: 0.5	
<i>Prerequisites:</i> WELLNESS I		<i>Maximum Seats:</i> n/a	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> Physical Education
This course will give students the opportunity to participate in a variety of competitive sports. Student safety and sportsmanship is a major emphasis of the course. Activities offered in this class are basketball, volleyball, flag football, soccer, Ultimate Frisbee, kickball, and other team sports.			
YOGA		Credit Value: 0.5	
<i>Prerequisites:</i> WELLNESS I		<i>Maximum Seats:</i> 20	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Physical Education
This course encourages lifelong fitness. Students will learn yoga postures, breathing techniques, and relaxation methods to improve health and mindfulness. Students will develop body awareness and correct alignment in a variety of yoga poses including standing, balance, hip-opening, inversions, arm balances, twists, back bending, and core strengthening exercises. Each class will have a specific focus: pose break-down, yoga flows, strength-building routines, or relaxation.			
PERSONAL FITNESS		Credit Value: 0.5	
<i>Prerequisites:</i> WELLNESS 1		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Physical Education
This course design gives students the opportunity to learn sports and techniques used for obtaining optimal personal fitness. Students will learn various exercise and fitness activities that they can perform throughout their lifetime.			

WALKING FOR WELLNESS		Credit Value: 0.5	
<i>Prerequisites:</i> WELLNESS I		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input type="checkbox"/> Elective Course <input checked="" type="checkbox"/> Physical Education
This course gives students an activity that they can participate in independently throughout their lifetime. Most of the walking activities will take place outdoors so appropriate dress is essential. Students need to prepare for all types of weather and dress accordingly. Some of the activities include walking, hiking, navigation, and scavenger hunts.			
LIFEGUARDING		Credit Value: 0.5	
<i>Prerequisites:</i> Must pass a pre-course swim test and be recommended by the PE teacher		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course <input type="checkbox"/> Physical Education
This course is an American Red Cross that certifies students in first aid, CPR and lifeguarding. The purpose of this course is to provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to aquatic emergencies. It is possible to pass this PE course but not meet the qualifications for the Red Cross Certification. Students may choose this course for a lifeguard recertification.			
OUTDOOR PURSUIT		Credit Value: 0.5	
<i>Prerequisites:</i> WELLNESS 1		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input checked="" type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Courses <input checked="" type="checkbox"/> Physical Education
This class is a physical education elective designed for the outdoor enthusiast or students looking to broaden their horizons in an outdoor setting. In this course, students will learn basic survival skills, communication and teamwork, and an overall appreciation of nature.			

OTHER ELECTIVES

FIRE SERVICE TRAINING (10-12)		Credit Value: 1.0	
<i>Prerequisites:</i> Teacher Recommendation		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course
<p>This course is a distance learning elective that is offered in collaboration with the Highlands School District, Allegheny County Emergency Services, and the Allegheny County Fire Academy. Staff Instructor Krzeminski will provide entry level training along with 8 hands on sessions throughout the school year at the Allegheny County Fire Academy. This course is possible through the efforts of the Highlands Emergency Services Alliance (HESA) and the Alle-Kiski Health Foundation. The vision is to create highly trained professionals who are dedicated to exceeding the needs of their communities. Course topics will include fire training, first aid, and CPR.</p>			
SAT PREP		Credit Value: 0.5 English and 0.5 Math	
<i>Prerequisites:</i> None		<i>Maximum Seats:</i> 28	
<i>Duration:</i> <input checked="" type="checkbox"/> Full Year <input type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit For:</i> <input type="checkbox"/> English <input type="checkbox"/> Mathematics <input checked="" type="checkbox"/> Elective Course
<p>This course is a preparation class that prepares students to take the SAT exam. The evidence-based reading and writing portion of the class will focus on familiarizing the students with the test composition, review relevant content to build skills along with strategies to assist students choosing between similar answers. The verbal portion of the course will review reading comprehension, rhetorical elements and usage and mechanics in writing. The mathematics portion of the course will study algebra, geometry, trigonometry, data, problem solving, and other advanced mathematics topics. Periodic testing will occur to monitor the understanding and development of skills. Additionally, the course will address college searches along with practice and preparation for essay writing and application. This portion of the course focuses more on awareness and investigation, and not as much assessment. The student will emerge prepared to take the SAT and be ready to embark on the college application process.</p>			

COMMUNITY ENGAGEMENT		Credit Value: 0.5	
<i>Prerequisites:</i> Teacher Recommendation		<i>Maximum Seats:</i> 30	
<i>Duration:</i> <input type="checkbox"/> Full Year <input checked="" type="checkbox"/> One Semester <input type="checkbox"/> Lab Course	<i>Grade Level:</i> <input type="checkbox"/> 9 th <input checked="" type="checkbox"/> 10 th <input checked="" type="checkbox"/> 11 th <input checked="" type="checkbox"/> 12 th	<i>Graduation Obligation:</i> <input type="checkbox"/> Required <input checked="" type="checkbox"/> Elective	<i>Credit for:</i> <input checked="" type="checkbox"/> Elective Course
<p>This course will teach students about different organizations in our area and help them better understand what services they provide to the community. Engaging in community service projects will provide students with the opportunity to become active members of their community and have a lasting, positive impact on society at large. Students will acquire life skills and knowledge, as well as provide a service to those who need it most. Students enrolled in this class will complete the semester with the required 2 hours of community service needed for each school year.</p>			