

Panther Valley High School Program of Studies

Career and College Exploration



2023-2024

SCHOOL ADDRESS

Panther Valley High School
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Panther Valley School District

School Board Directors

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Marco D'Ancona - Vice President
Renee DeMelfi - Secretary
Pat Leonzi - Treasurer
Shawn Hoben - Member
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Robert Palazzo, Elementary School Principal
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Paula Jones, District Assistant Principal
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Kristin Black, Athletic Director
Janet Fisher, Technology Coordinator
Scott Fisher, Maintenance Supervisor
Marcos Cortes, Nutrition Group

DISTRICT MISSION STATEMENT

We seek to continually improve the climate, culture, and student achievement within a safe environment fostering trust, collaboration, and open communication.

DISTRICT VISION STATEMENT

Panther Valley School District's vision is to provide a clear path for academic achievement by meeting the needs of each individual student. We are committed to seeing students model positive behavior, a strong work ethic, and a belief in oneself. Collaboration and communication among school, home, and the community is essential for student success.

BELIEFS

- All students will engage in a rigorous curriculum with highly qualified instructors in a safe environment with support to prepare for their futures.
- Every student will be offered a variety of pathways and methods to meet their individual learning needs.
- Every student will strive for growth and excellence in their academic endeavors.
- All people, cultures and individual differences will be recognized and respected at all times.
- Students will be provided opportunities to grow as individuals and to develop skills to become sustaining, productive citizens.
- Staff will be responsible for providing a rigorous, consistent, meaningful, and high-quality learning experience in a positive educational environment.
- Staff will implement, monitor, and focus their instructional practices to improve student achievement.
- All staff will address instructional needs of the students and create conditions conducive to learning.
- Staff will receive professional learning on student-centered differentiated instruction and sound research-based instructional practice to improve student learning.
- All administrators will provide a safe, consistent, meaningful, and high-quality educational experience for all learners.
- All administrators will monitor and lead instructors through a rigorous curriculum which engages learners in differentiated and research-based instructional practices.
- All administrators will commit to developing a culture of excellence and life-long learning.
- All families are partners with the school district in a common commitment to students' success.
- All families are welcome to become involved in the school community and school events in support of children and are encouraged to advocate to meet the needs of their children.
- Community members are stakeholders in a common commitment to excellence and are encouraged to support the efforts of the school community and to communicate strengths and weaknesses.

NON-DISCRIMINATION POLICY

It is the policy of the Panther Valley School District not to discriminate on the basis of race, color, sex, religion, national origin, age or non-related handicaps or disabilities in its educational programs, activities or employment practices as required by Title IX, Section 504 of the Rehabilitation Act of 1973, and other such statutes.

Inquiries regarding this policy should be directed to Mr. David McAndrew JR, Superintendent, Panther Valley School District 1 Panther Way, Lansford, Pa. Telephone: (570) 645-4248.

GUIDELINES FOR COURSE SELECTION

COURSE SELECTION PROCESS

The students and the Panther Valley High School counselors and administration will be in partnership with each other as we transition through the Program of Studies. The school counselors will do everything possible to schedule the courses that the students have selected. However, the master schedule may dictate whether or not a student can have a course in each particular semester or year.

Student who does not complete their course selection enrollment in their allotted time frame, their counselors will select the courses for them.

How to Register for High School Classes...

- Review this course registration book carefully and understand what is required for graduation.
- Pre-requisites: Make sure you are checking the pre-requisites before you make your selection.
- Talk with parents, teachers, school counselors, administrators, college/career advisor and other adults who know your interests, talents, goals, and the world of work.
- Choose a career path that suits you. This will help you to narrow your choices and steer you in the direction of your future goals. Sure, it is always nice to have classes with your friends: however, you must remember, even though you will graduate with your classmates, you will enter the world of post-secondary education or employment by yourself. Choose classes that are right for you.
- Select electives that interest you and teach you things you always wanted to know or may need to know for your career pathway.
- Don't forget to have fun! Plan on becoming involved in at least one or two extracurricular activities. Although you won't be registering for those now, keep your activities in mind while you register for your courses. Be well rounded and become a part of the Panther Valley Junior Senior High School.

The counselors will share the Program of Studies and course selections with each student and are available for review on our district page at www.panthervalley.org. Students should speak to their parents/guardians prior to making the selection. Students are required to log-into Sapphire with their username and password. If a student does not have their credentials, he/she should contact the guidance department for that information. Students have a deadline in order to register for their courses which will be shared with all students at each program of studies presentation by the school counselors.

Based on the course selection process, administration will create a master schedule based on the student requests. This process will occur over several months. If there are limited amount of student requests for a particular class, the administration reserves the right to cancel any course to limit enrollment in the course.

Counselors may meet with students to solidify course selection on an as needed basis.

CHANGE IN COURSE SELECTION

Schedule changes **will only** be made for the following reasons:

1. You were not given a class needed to graduate.
2. You were given a class you already passed.
3. You failed a class and need it to graduate.

Schedule changes **will NOT** be made for the following reasons:

1. You changed your mind.
2. You don't like the teacher.

3. You want to be with friends or don't get along with others in class.

PREREQUISITES

Past experience shows that a certain minimum level of achievement is necessary in certain courses if a student hopes to achieve satisfactory in the "next level" course.

Students will be placed in their appropriate level class based on prior academic performance, teacher/department recommendations and/or benchmark/standardized testing. In an attempt to continue to encourage and challenge students, prerequisites have been established.

Panther Valley High School offers the following levels of courses:

Advanced Placement (AP) - Classes providing advanced learning and give students the opportunity to study and learn at the collegiate level. Curriculum and guidelines for AP designation are governed by College Board.

Honors (HN) - Classes offered for high-achieving students - covering additional topics or some topics in greater depth than in a general course.

A student placed in honors level classes must maintain a final minimum grade of 92% to advance to the next honors level class.

Dual Enrollment - College classes offered at the PVHS or on a college campus through an accredited college or university. College credits and high school credits are simultaneously earned upon successful completion of the course. Dual enrollment classes will have a special designation on student transcripts.

Additional prerequisites are listed after many of the course descriptions.

CALCULATION OF THE GRADE POINT AVERAGE (GPA)

During the course of a school year, two different types of Grade Point Averages (GPA) can be calculated for each student in each grade level. The first is known as the GPA-WIP (Grade Point Average- Work in Progress). The second GPA calculation is GPA(Grade Point Average- Completed Work). The GPA (Completed Work) is the report that is run to determine who qualifies for our honors roll, distinguished honors, NHS invitations, NHS selection and class ranks. Both of the calculations are weighted depending on courses taken.

CAREER READINESS AND DEVELOPMENT

Panther Valley High School has implemented career standards that will assist students in planning appropriate course options that will help them to reach their post-secondary goals based on their interests and skills. Choosing a career direction will help students focus on a career area that matches their interests, help assist with setting goals and developing a comprehensive course plan for high school and provide insight into future career options and how they relate to your academic plan. Students' economic future depends on having a well-educated and skilled workforce that is prepared to meet the current and projected demands of a global, knowledge-based 21st century economy. It is imperative that students have access to high-quality academic and technical education, as well as opportunities to assess interests, build skills, and identify and explore careers aligned to those interests and skills. All students should leave Panther Valley with a solid foundation in career education and work.

How does it work?

Step One: Career Awareness and Preparation: In grades 9-12 students are exposed to a wide range of careers through guest speakers, videos, field trips, smart futures activities, courses that align with the career standards (Consumer Career Exploration, College, and Career Readiness). Teachers, school counselors, and parents help students develop an awareness of the importance of a good work habit, educational achievement, and character development.

Step Two: Career Accusation: In grades 9-12, students are encouraged to explore their interests by completing interest inventories and gathering information about careers including working conditions, educational requirements and skills needed. Teachers, school counselors and parents motivate students to identify their abilities and skills and continue to support strong work habits and good decision-making skills. Students utilize Smart Futures to create a web-based portfolio to follow them throughout their school years.

Step Three: Career Retention and Advancement: Students will receive career courses that align with the career standards which include (work habits, cooperation and teamwork, group interaction, budgeting, time management, workplace changes and lifelong learning) In high school, students, with the help of their parents, guidance counselors, and their senior advisor will chose one of five clusters:

Step Four: Entrepreneurship: Based on the career goals chosen, students will be advised to continue preparing for their careers.

Post-Secondary Goals	Examples
Employment	<p>On the job Training- Employer designed training established for the worker to gain the necessary work skills while getting paid on the job.</p> <p>Apprenticeship program: Apprentices are paid as they attend work and classes. Upon completion, the worker will gain journeyman status in the specific industry.</p> <p>Career Link: Local resource that provides training, employment or support services to job seekers.</p>

<p>Military</p>	<p>All branches of the military have skilled training. Student interested can meet with a recruiter to explore active duty, reserve duty or ROTC opportunities. Students may be able to use their GI Bill to help pay for college.</p>
<p>Education</p>	<p>Diploma/Certificate Programs: Short-term programs that last on average 6 months to 1 year that assist with acquiring specific skills in order to gain employment at an entry level job. These programs can be found at technical schools (CCTI Adult Education), community colleges or some four-year colleges/universities.</p> <p>Associate degree: These are 2-year degrees that enable students to gain entry level employment in a specific career. Programs are found at community colleges, trade schools or some four-year colleges/universities.</p> <p>Bachelor's degree: These are typically four-year degrees with course work in general education and a declared major. Degrees are obtained in liberal arts colleges, private colleges, state colleges and universities.</p> <p>Graduate/Professional Degree Programs: Post graduate degrees required for certain professions in order to practice or be employed in that career such as law, medicine, Ph.D. and other professional fields. On average, programs can be 1 to 5 years in length beyond a bachelor's degree. Accelerated programs are available at select colleges or universities.</p>

FAILURE OF REQUIRED COURSES

If students have failed a course with a final average under 64.4%- 50%, the student may attempt to pass this course by attending summer achievement school or credit recovery (online). If the course average is below a 50% the student **MUST REPEAT** the course in a "regular" classroom during a "regular" school year.

WEIGHTED COURSES-

- Honors-105
- College-106
- AP-107

STUDENT COURSE LOAD

All students are required to carry a full schedule each school year. Students are required to attempt a minimum of 6 credits per year.

NONBINDING NOTE

The school reserves the right to cancel or postpone courses for which there is an insufficient enrollment, lack of physical facilities, or unavailability of professional personnel.

SCHEDULE CHANGES

Students will be able to review their schedule in Sapphire. Students who need to make a change may email their respective school counselor to discuss their concerns. A tremendous amount of time is spent in creating each student schedule to maximize educational opportunities. When necessary, a counselor-student conference or parent/guardian contact will be made. Serious conflicts will be resolved by administration.

Changes to semester courses must be made within the first 5 days of each semester due to graduation requirements.

If permission has been granted by administration for a student to drop a class after the 1st week of each semester due to extenuating circumstances, a "WP" or "WF" will be recorded on the student's permanent record. A WP and WF will only be considered under extenuating circumstances prior to the end of the 1st marking period of each course. Students taking a WF will receive a 60% for the course which will be calculated into their GPA and class rank.

Since grades will be available 10 days after the last day of school, it will be the responsibility of the student who selected a course and who did not meet the suggested grade prerequisite to make another selection by contacting the counseling office by July 1st.

Graduation Requirements

All students must be advanced or proficient in Keystone content areas or complete alternative pathway developed by PVHS/PDE.

☆ In order for a student to graduate with a high school diploma from the Panther Valley School District, the following courses must be completed successfully:

- ⇒ English..... 4.0 credits
- ⇒ Mathematics.....4.0 credits
- ⇒ Social Studies.....3.0 credits
- ⇒ Science.....3.0 credits
- ⇒ Arts and Humanities 2.25 credits
 - English Elective.....0.5 credits
 - History or Science Elective.....0.5 credits
 - College and Career Electives.....0.75 credits
 - Other.....0.5 credit
- ⇒ Physical Education.....1.0 credit
- ⇒ Health.....0.5 credit
- ⇒ Computer Apps (I&II).....1.0 credit
- ⇒ Electives.....4.25 credits
- ⇒ Economics.....0.5 credits
- ⇒ Personal Finance.....0.5 credits

TOTAL NUMBER OF REQUIRED CREDITS = 24 credits

**** In order to participate in the formal Commencement exercises, students must complete their Pathway to Graduation and participate in CPR training,**

A passing grade (65% or higher) must be earned in all of the above required courses. Summer Achievement School is offered for credit recovery in person at the Panther Valley Junior Senior High School or online through the Ebridge or Elearn programs. A fee may will be required to complete any summer school credit recovery classes. If a student does not successfully pass their classes, they can then be in jeopardy of not graduating on time.

Students must attend school on a regular basis as defined by Pennsylvania School Code 24 PS 13-1333 and Section 22 PS - Code 12.1 and 12.2. Noncompliance with these school codes will result in ineligibility and/or inability to graduate.

NCAA CLEARING HOUSE

Any student interested in playing athletics at a Division I or Division II college or university must register with the NCAA Clearing House. It is important that students

choose college preparatory classes that have been approved by the NCAA Clearinghouse. Below is further information from the NCAA Clearinghouse website.

- At the beginning of your junior year, complete your online registration at www.eligibilitycenter.org.
- Register to take the ACT, SAT or both and use the NCAA Eligibility Center code "9999" as a score recipient. Doing this sends your official score directly to the NCAA Eligibility Center.
- Double check to make sure the courses you have taken match your school's list of NCAA courses.
- Have your high school counselor send an official transcript to the NCAA Eligibility Center after completing your junior year. If you have attended more than one high school, the NCAA Eligibility Center will need official transcripts from all high schools attended.
- Before registering for classes for your senior year, check with your high school counselor to determine the amount of core courses that you need to complete your senior year.
- Take the ACT and/or SAT again, if necessary. The NCAA Eligibility Center will use the best scores from each section of the ACT or SAT to determine your best cumulative score.
- Continue to take college-prep courses.
- Check the courses you have taken to match your school's list of NCAA courses.
- Review your amateurism responses and request final amateurism certification on or after April 1 (for fall enrollees) or October 1 (for spring enrollees).
- Continue to work hard to get the best grades possible.
- Graduate on time (in eight academic semesters).

Courses of Study Descriptions

ENGLISH CURRICULUM

English Course Matrix

Core Course Freshman Year ~ 1 Credit	Core Course Sophomore Year ~ 1 Credit	Core Course Junior Year~ 1 Credit	Core Course Senior Year~ 1 Credit	English Electives Semester Courses~ (.5 credit)
English 9 (Full year)	English 10 (Full year)	English 11 (Full year)	English 12- Writing for the Future OR LCCC College/ Research Writing (semester)	Apocalyptic & Dystopian Literature Literature in Film Children's Literature Creative Writing, I/II Echoes and Reflection History Gothic Literature Monsters in Literature Mythology Shakespeare Sports in Literature
Advanced English 9 (Full year)	Advanced English 10 (Full year)	Honors Classics Literature (Full year)	PLUS, an English Elective (semester) (.5 credit)	
			OR Advanced Placement English Literature & Composition (Full year) (1 credit)	

Pathways

Business/College Pathway	Advanced Pathway
English 9	*Advanced English 9
English 10	*Advanced English 10
English 11	*Honors Classics Literature 11
English 12 & English Elective	*Advanced Placement Literature & Composition 12

*Students taking Advanced classes must have the recommendation of the previous teacher and have maintained a 92% average throughout the year.

1100 English 9: 1 credit - Full Year ~ Grade 9

This course integrates the study of literature with instruction in the writing process. Students will explore the ideas and issues of literature while improving their writing, speaking, listening, thinking and language skills. Materials include poetry and prose, fiction and nonfiction.

1110 Advanced English 9: 1 credit - Full Year ~ Grade 9

☛ *Prerequisite:* Placement in this course is based on teacher recommendation and/or scores from junior high assessments.

☆ This is a weighted course.

This English course is designed for students who are able to perform accelerated academic reading and writing skills. Course activities are designed to expand vocabulary, improve reading comprehension, and target listening, speaking, and writing skills using adaptive technology and whole- and small-group instruction.

1200 English 10: 1 credit- Full Year ~ Grade 10

This class focuses on some of the major pieces of literature created throughout the world. As a class, students will read and study various genres including myths, poems, short stories, novels, and plays. While reading different selections from these genres, students will be engaged in activities that require in-depth writing and analyzing of the text. Through the study of classic literature, students will be traveling around the world as well as through various time periods. As students take these journeys through literature and history, students will complete narrative, informative and persuasive essays. The course is designed around the PA Core Standards and is the trigger course for the PA Keystones Exams in Literature.

1210 Advanced English 10: 1 credit - Full Year ~ Grade 10

☛ *Prerequisite:* Completion of Advanced English 9 with a minimum grade of 92% in the course. Teacher Recommendation also required.

☆ This is a weighted course.

This course will focus on both fiction and nonfiction including mythology, drama, poetry, novels and other material. Students will read, discuss, and analyze, a variety of World Literature pieces from the ancient to the modern world. Students will also complete various forms of writing: literary analysis, narrative, expository, persuasive and creative forms. This course requires in-depth analysis and close reading of complex texts and literary criticism.

1300 English 11: 1 credit - Full Year ~ Grades 11

This course is designed to cover both American Literature and British Literature. Authors will be studied from both continents.

American Literature

This course explores various genres in American Literature. By taking this course, students will explore the genres of short stories, poetry, drama, and novels that are written by American authors. Historical context will also be explored. Students will develop the skills of independently analyzing and evaluating grade-level text and gaining a developed understanding of literary terms, as they are used in popular works of American Literature.

British Literature

This course explores works made famous by English authors. Literary terminology and terms will be explored across the various works that are studied. Students will analyze and evaluate epics, dramas, legends, among many other genres of text. Students will learn to critically question and respond to higher level literature. Major works that are studied are: *Beowulf*, *The Canterbury Tales* by Geoffrey Chaucer, the legends of King Arthur, and *The Tragedy of Macbeth* by William Shakespeare.

1320 Honors Classics in Literature: 1 credit - Full Year ~ Grades 11

☞ Prerequisite: Advanced English 10 and Summer Reading Initiative

☆ This is a weighted course.

This course is designed for students who enjoy being challenged in literature and writing classes and who are prepared to accept the responsibilities of that challenge. This honors course is a thematic study of literature and literary criticisms, its literary periods and its major writers; however, the honors course will include more extensive reading, writing (both timed and process essays) and analytical thinking. Furthermore, students in the honors program are expected to invest significantly more academic energy into the course and to work more independently than students taking English 11. Summer reading of two novels including summer work and an independent essay due the second Friday after the return of school are required. The required titles are *The Count of Monte Cristo* written by Alexander Dumas and *Wuthering Heights* written by Emily Bronte, which will be provided by the teacher before the end of the sophomore year.

** This class is designed for students who intend to take AP English in 12th grade.

1430 Advanced Placement English: 1 credit- Full Year ~ Grade 12

☞ Prerequisite: Honors Classics Literature and Summer Reading Initiative

☆ This is a weighted course

This Advanced Placement English course in Literature and Composition engages students in the careful reading and critical analysis of 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 smaller-scale elements, such as the use of figurative language, imagery, symbolism and tone. The course includes intensive study of representative works from various genres and periods, concentrating on selections that do not yield all of their pleasures of thought and feeling the first time through. Students will read deliberately and thoroughly, taking time to understand a work's complexity in order to absorb its richness of meaning and to analyze how that meaning is embodied in literary form. Summer reading of two novels including summer work and an independent essay due the second Friday after the return of school are required. The required titles are *The Color Purple* written by Alice Walker and *The Heart of Darkness* written by Joseph Conrad, which will be provided by the teacher before the end of the junior year.

ADVANCED PLACEMENT EXAMS WEBSITE: www.collegeboard.com

The Advanced Placement (AP) Program is a program of college-level courses and exams for secondary school students. Over 90 percent of colleges give credit and/or advanced placement to students who score in the upper range of the test (3 or better). The examination is scored on a five-point scale: 5 (extremely well qualified) to 1 (no recommendation). An AP Grade Report is sent in early July to each student's home address, school and, if the student requested, to the college. COST: (2015-2016) \$96 for regular exams \$106 for special format exams (all World Language exams, Music Theory).

ENGLISH ELECTIVES

1500 Apocalyptic and Dystopian Literature: 0.5 Credits - 1 semester~ Grades 10-12

☞ *Prerequisite:* English 9

Apocalyptic Fiction is a genre-based English elective that contains science, psychology, sociology, and research components and includes various forms of media and text that speculate about a scenario that will either destroy life, or more likely will drastically alter life as we presently know it. There will also be a slight focus on understanding the creation of a dystopia and the dystopian hero in literature. Novels of study would include a wide range of classic and YA reading.

1505 Journalism: 1 credit- Full Year ~ Grades 10-12

This course is a professionally oriented media course intended for students wanting to continue their learning within the Broadcast Journalism program. On-the-air experience, including announcing skills and production techniques, will be expected of students, as well as leadership with other Broadcast Journalism students. Evaluation is based on daily oral/written assignments, quality of story segments, and attention to process and deadlines.

1510 Monsters in Literature: 0.5 Credits- 1 semester ~ Grades 10-12

☞ *Prerequisites:* English 9

Monsters in Literature is a genre-based English elective that focuses on understanding the "true" story behind the creation of these monsters. Questions such as- What societal fears does the monster embellish? How does xenophobia contribute to the popularity of the monster? How is the monster influenced by stereotypes and myth? Focus will be on much of the classic monsters such as Dracula & vampires, Frankenstein, Dr. Jekyll & Mr. Hyde. Other studies will include the political & cultural aspects of zombies including the study of how certain monsters change depending on the need of the culture and time period.

1512 Creative Writing- 0.5 credit -1 semester Grades 9-12-

This course will emphasize writing skills. Emphasis is placed on the development of sentence maturity through various exercises utilizing written expression. Creative sentence maturity through various exercises utilizing written expression. Creative writing has a focus on some of the more interpretive methods of communication that may not be tested in the traditional ELA classroom. This has an emphasis on individual, partner, and group activities with various methods from prompts, poetry, short story writing, plays and beyond. Students use a variety of media and pop culture concepts to help foster communication through the course. Various methods of presentation are components that include visual/oral presentations, dramatic readings, artistic interpretations, and shared writing styles. Students will also have the opportunity to create poetry. Grammar punctuation lessons will be taught as needed per exercise.

1513 Creative Writing II- 0.5 credit -1 semester Grades 9-12-

This course is an in-depth writing course that gives students the opportunity to further develop their talent in the areas of personal essay, fiction, poetry, and drama.

1514 Shakespeare- 0.5 credit -1 semester Grades 9-12

This course provides an introductory study to Shakespeare's tragedies, comedies, and histories, and a careful study of major plays and sonnets. Shakespeare's importance as a dramatist and the enduring nature of his ideas and vision are stressed. The class may view films and live performances.

1515 Children's Literature: 0.5 credit ~ Grades 10-12

Children's Literature is a genre-based English elective that will focus on literary elements, how a story works, thematic development, and author studies. As students read a picture book they will identify symbols, motifs, tone, mood, atmosphere and, by making textual connections, will be able to understand how a story is created. Another focus will be on the adult themes that are buried within children's literature and what the author's message and purpose is. Students will examine different reading levels and complex themes. End of class project will include students creating their own children's book.

1516 Mythology: 0.5 Credits- 1 semester ~ Grades 10-12.

☞ *Prerequisite:* English 9

This course focuses on the many myths and legends woven into cultures around the world, starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how they are still used to shape society today.

1517 Gothic Literature: 0.5 Credits - 1 semester- Grades 10-12

☞ *Prerequisite:* English 9

This course evaluates the literary works of Edgar Allan Poe and other short stories that are in a similar literary genre that shares the literary elements of mood, symbolism, and themes. Students will be able to recognize and critically analyze characterization, themes, and symbolism across these works, and critically respond to grade-level text.

1518 Keystone Literature: 0.5 Credits - 1 semester- Grades 11-12

☞ *Prerequisite:* English 10

☞ *Prerequisite:* Basic or Below Basic on the Pennsylvania Keystone exam.

This is a remediation course designed for those students scoring below proficient on the Pennsylvania Keystone Exam in Literature. Students will receive Literature remediation for one semester and then will be provided the opportunity to retake the Pennsylvania Keystone exam in Literature during the retesting window.

1519 Literature in Film: 0.5 Credits - 1 semester- Grades 10-12-

☞ *Prerequisite:* English 9

This course explores the highly complex relationship between printed literature and film. Students will engage in analytical studies of novels, short stories, plays and

nonfiction texts and their respective film adaptations. Further, students will investigate films not having a textual companion in terms of applicable literary technique, social/historical context, and commentary on our everyday lives. This course is reading and writing extensive with most class time dedicated to viewing films, discussing contents, and preparing for written responses.

1520 Echoes & Reflections: Holocaust History- 0.5 credit -1 semester Grades 11-12

***Note: This course will contain mature content, graphic images, true stories, and historical relics.

This humanity course will contain the first part of a dual semester course. This section will be offered in the fall and will preface the spring offering. Throughout the semester, students will learn about the history of this genocide and focus on the study of nonfiction texts. Students will study the Holocaust through detailed readings of both primary and secondary sources and firsthand accounts. Students enrolled in this course will be expected to read, connect, and write in-depth responses to the materials provided. Students will be analyzing a variety of materials from photographs to diaries, letters, poems, and interviews to construct a historically accurate picture of this catastrophe. Part A will prepare students for the second component of the course; where they will use their prior knowledge to analyze and make connections through literature.

1525 Echoes & Reflections: Holocaust Literature- 0.5 Credit -1 semester Grades 11-12

☞ Prerequisite: Holocaust History

***Note: This course will contain mature content, graphic images, true stories, and historical relics.

An in-depth analysis of the literature and art that reflects upon the history of the Holocaust. This course is intended as a follow-up to Echoes and Reflections: Holocaust History. The course expectations will be presented in various forms including group reading, personal written responses, varied writing assignments, group analysis, and visual presentations, among other projects. The material will consist of both fiction and non-fiction entities, paintings and sketches, and films. This course builds upon the tone of the seriousness and world changing atrocities of the Holocaust, and therefore, is not intended for all. The serious tone, mature themes, and graphic nature of this class requires a thorough understanding of history as seen through the eyes of writers, artists, filmmakers, and most importantly survivors.

1530 Sports in Literature: 0.5 Credits - 1 semester- Grades 10-12

☞ Prerequisite: English 9

This course brings American Literature to life through the dramatic and personal aspects of sports. It includes a variety of genres for anyone interested in sports, including novels, stories, essays, poetry, and biographies. Students will understand that sports are not just contests but a metaphor for human experience.

1540 Writing for the Future: .5 Credit - 1 Semester ~ Grade 12

☞ Prerequisite: English 11

Students will explore various writing forms beginning with basic forms (letter/email writing) and advance to college-level papers on various topics. Students will learn how to use citations appropriately and will gain an understanding of both APA and MLA formatting.

1600 LCCC College Research & Writing: 1 credit- 1 Semester~ Grades 11-12Fee****

☆ This is a weighted course.

Emphasis on composition writing and the study of the English language from a rhetorical point of view. Essays are studied for content and form. Develops thinking, reading, and writing skills through expository and argumentative writing as a process. Library

investigation and research techniques which culminate in a research paper are also stressed.

ENG111 LCCC Speech : 1 credit- 1 Semester~ Grades 11-12 **Fee**

This course is designed to develop students' speech writing and presentation abilities while increasing self-confidence and interpersonal skills appropriate in academic, work, and community settings. It addresses basic theories of public speaking and emphasizes practice through several types of speaking situations: formal, informal, mediated, and impromptu. Students learn how to assess diverse audiences and how to prepare an effective presentation employing outlines, research, visual aids, and technology. In addition, students develop critical listening and analysis skills while completing self-reviews and critiquing renowned speakers' performances. Students also examine speaking rights and ethical responsibilities through written reactions and reflections.

SOCIAL STUDIES CURRICULUM

2100 American Cultures: 1 credit - Full Year ~ Grade 9

This course presents a comprehensive study of the development of our country from American Imperialism to the present. Strong emphasis is placed on our culture, politics, economics, geography, international relations, and changing society.

2200 World Cultures: 1 credit - Full Year ~ Grade 10

This course attempts to give students a comprehensive understanding and appreciation of their contemporary world by studying the geography, history, economics, politics, literature, religion, and fine arts of major cultural areas. China, Japan, India, Africa, and Russia are all specific areas of study covered in this course.

2300 Civics: 1 credit: Full Year ~ Grade 11

This course introduces the student to the study of political behaviors such as elections, voting, and policy/decision making. Strong emphasis is placed on the rights, duties, and responsibilities of being an active citizen in the United States. Along with understanding our system of government, students will know what is expected of them as active, educated citizens of the United States.

2310 AP U.S. American History: 1 credit- Full Year ~ Grades 11-12

☆ This is a weighted course.

The AP U.S. the American History course is designated to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students should learn to assess historical materials---their relevance to a given interpretive problem, reliability, and importance---and to weigh the evidence and interpretations presented in historical scholarship. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively using a college essay format.

2425 Economics: 0.5 credit - 1 semester (required) ~ Grade 12

The main objective of this course is to help students understand the basic principles of economics and how they relate to everyday life. This course will place an emphasis on different economic systems, American free enterprise, money, banking, finance, the United States Government, and our economy, and global economics.

SOCIAL STUDIES ELECTIVES

2510 Current Events: 0.5 credit - 1 semester ~ Grade 9

Description: This course will provide students the opportunity to analyze and summarize Current events and situations around the United States and the rest of the world. The students will be expected to make connections between the foreign policy of the United States and other countries around the world.

2515 History of Rock and Roll: 0.5- 1 semester ~ Grades 9-12

Description: Music is as powerful a human tool as the wheel or fire. Long before written language humans used rhythm and melody to communicate ideas and celebrate events in their lives. The story of the 20th century can be told in a common language: Rock and Roll music. This ninety (90) day course will expose students to the societal events and artistic influences that birthed and shaped the Rock and Roll genre over the last 150 years. Loosely mirroring the invention of recorded sound, the course will place particular emphasis on how changes in the genre reflect the historical events of the day. The design of this course leans heavily on self-paced research and long-form writing assignments.

2520 The History of Diversity in Sports: 0.5- 1 semester ~ Grades 9-12

In this course we will examine the history of many of the world's different sports. This includes, but is not limited to, Basketball, Baseball, Football, Soccer, Wrestling, Early Civilization Sports, Racing, and more. We will look at the effects of society on the formation, rules changes, integration, and a multitude of other factors that impact the sports world and vice versa. This class will discuss major figures in the sports world including Jackie Robinson, Muhammad Ali, Jesse Owens, Jim Thorpe, and more. Sports plays an important role in society and this class will help students understand how this relates to their experiences.

2525 World Religion & Culture: 0.5 credit - 1 semester ~ Grades 9-12

Description: Introduction to World Religions is a ninety (90) day course that hopes to answer the question "Why does religion exist?" by taking an academic look at the characteristics of religion and how religion has developed as a social construct overtime. The course will include overviews of the most today popular world religions practiced such as Buddhism, Christianity, Hinduism, Islam and Judaism as well as those with historical significance, including but not limited to Kemetism (Egypt), Hellism (Greece), Asatro (Norse), Confucianism (China) and the beliefs of tribal peoples from around the world.

2530 America Goes to War: 0.5 credit - 1 semester ~ Grades 10-12

Description: America Goes to War is a semester-long course during which students will learn about America's involvement in all wars, both at home and those that occurred abroad. This course will cover all American wars beginning in the 18th century and ending with the current conflicts in the 21st century. Students will read primary sources, watch videos and learn about American military history as well as the social aspects each of these wars incurred on the home front. This course will expand student understanding of the role that America plays in the world today. Students should expect to participate in activities that require research, writing, and presentation skills.

2535 Local History: 0.5- 1 semester ~ Grades 9-12

Local History will provide students with an opportunity to study the historical events and people that were vital in shaping our area. The course will also incorporate the significance of our area to the development of the United States throughout history (Ex. Industrial Revolution and the role of Bethlehem Steel in WWII). An emphasis will be placed on our local geography, economic systems, culture, and government, tracing our local history from the first settlers of our area to the present day. Course content will consist of primary source documents, text, internet resources, and field trips. Student evaluation will come from several types of differentiated instruction including multimedia presentations, written material, firsthand and web generated research.

2540 Honors World History: 0.5 credit - 1 semester ~ Grades 11-12

Prerequisite: A 93% or higher average in World Cultures

☆ This is a weighted course.

Honors World History is a semester-long Social Studies class that will give the student an opportunity to study the geography, political systems, economic systems and history of the world. Honors World History addresses the broad patterns and terms that students will need to know and use. It will focus on the historical foundations of world history from early civilizations to the present day. Honors World History is designed for students who wish to challenge themselves with reading, writing, and assessments. Pace and depth are more challenging in Honors World History, with the intention of preparing students to take an AP level social studies course during their high school career.

2550 Introduction to Psychology: .5 credit -Semester ~Grades 10-12

2550 Introduction to Sociology: .5 credit -Semester ~Grades 10-12

This one-credit, full year course will be focusing on the two social sciences of Psychology and Sociology as the foundation for instruction: with added material covering the related fields of Social Psychology and Cultural Anthropology as well, when applicable. Emphasis will be placed on the historical development of the disciplines, major thinkers, theoretical perspectives, methodologies, and current findings. The course will be roughly divided into two main sections, the first covering Psychology and the second, Sociology. Students will be assigned coursework both in and out of class, including presentations, both individual and group, and some research projects. This course is intended for those with an interest in human behavior, culture, and society, especially those who may wish to continue their education in these fields in the future.

**2550 Introduction to the Criminal Justice System: 0.5 credit -1 semester ~
Grades 10-12**

This course gives students the opportunity to study constitutional, criminal, and civil law, as well as students' rights. Further, the class will discuss established case law and discuss the role of each part of the criminal justice system and their distinct responsibilities. The second quarter, in which debates are emphasized as moot court is an integral part of the course, will allow students the opportunity to better understand court proceedings firsthand and get a feel for building a strong substantive argument based on facts and precedence rather than opinions and personal attacks. Oral debate will be required.

2560 Honors Political Science - 0.5 credit - 1 semester ~ Grade 12

Prerequisite: A 93% or higher average Civics

☆ This is a weighted course.

Honors Political Science will provide an introduction to the constitutional framework, political culture, branches of government, political behavior, and nongovernmental institutions (e.g. political parties, media, or interest groups) that shape American

politics. Honors Political Science is designed for students who wish to challenge themselves with reading, writing, and assessments. Pace and depth are more challenging in Honors Political Science, with the intention of preparing students to take college level social studies courses.

Biographies Battles and Blockbusters- 0.5 credit- Grades 9-10

In this high school history elective, students will have the opportunity to read biographies about various wars throughout history and analyze the cinematic adaptations if these books. Through exploring the experiences of individuals who have lived through war, students will gain a deeper understanding of the impact of war on individuals, families, and societies. Each unit will focus on a different war and biography, ranging from World War II to the Vietnam War to modern conflicts. Students will read and discuss the chosen biography in class, examining the author’s portrayal of the war and its impact on society. In addition to the book, students will watch the movie adaptation of the biography and compare and contrast it to the text. Through group discussions and individual writing assignments, students will analyze the differences and similarities between the two mediums, examining how the director’s choices affect the story’s message and impact. Students will be asked to think critically about the representation of war in popular culture and deepen their understanding of the complex and often tragic nature of war.

MATHEMATICS CURRICULUM

Math Course Matrix

8th	9th	10th	11th	12th	Pacing
Math 8	Pre-Algebra Algebra 1A	Algebra 1B	Business Math 1	Business Math 2	Slowest
Math 8	Algebra 1A	Algebra 1B	Algebra 2	Business Math 1	Slow
Math 8	Algebra 1A	Algebra 1B	Geometry	Business Math 1	
Math 8	Algebra 1A	Algebra 1B	Algebra 2	Contemporary Math	
Math 8	Algebra 1A	Algebra 1B	Geometry	Contemporary Math	
Math 8	Algebra 1	Algebra 2	Geometry	Contemporary Math	Medium
Math 8	Algebra 1	Geometry	Algebra 2	Contemporary Math	
Algebra 1	Algebra 2	Geometry	Trigonometry	Contemporary Math	Fast

Algebra 1	Geometry	Algebra 2	Trigonometry	Contemporary Math	
Algebra 1	Algebra 2	Geometry	Trigonometry	Calculus	Fastest
Algebra 1	Geometry	Algebra 2	Trigonometry	Calculus	

3045 Algebra IA: 1 credit - Full Year ~ Grades 9-10

This course develops an understanding of the fundamental concepts of Algebra. General coverage includes functions, probability, statistics, solving equations and inequalities, and linear equations and their graphs. This course is designed for the student whose level of mathematical maturity is not on a level compatible with the rigors of the traditional Algebra I course.

3055 Algebra IB: 1 credit - Full Year ~ Grades 9-10

☞ *Prerequisite:* Algebra IA

This course is a continuation of Algebra IA. The second half of a traditional Algebra I course; this course continues where Algebra IA left off. Topics covered will include properties of exponents, exponential functions, polynomials, and solving quadratic equations by factoring, completing the square, and the quadratic formula. Also covered will be graphing quadratic equations, radical expressions, and rational expressions.

3100 Algebra I: 1 credit - Full Year ~ Grade 9 (Required course)

This course develops an understanding of basic structures in Algebra. Appreciation of letters and symbols in mathematics, as governed by basic axioms and properties, is stressed. General coverage includes algebraic mechanics, the solution of linear equations and inequalities, quadratics by the factoring method, application of algebra to practical situations, and basic practice in linear graphing.

3120 Algebra II: 1 credit - Full Year ~ Grades 9-12

☞ *Prerequisite:* Algebra I

This course reviews the principles of Algebra I, branching into broader forms of factoring and the various methods employed in solving quadratic equations. It also focuses on the treatment of inequalities, techniques in graphing, and radicals and imaginaries. This course introduces students to logarithms, matrices, and determinants.

3130 Advanced Algebra II: 1 credit - Full Year ~ Grade 9-12

☞ *Prerequisite:* Algebra I and teacher recommendation

*This is a weighted course.

This course, although still covering the topics involved in a traditional Algebra II course, goes beyond those perimeters by exploring conic

sections. The course is faster paced and more in-depth than Algebra II in order to provide the student with the background necessary for future success in Advanced Placement Calculus.

3200 Geometry: 1 credit - Full Year ~ Grades 10-12

☞ *Prerequisite:* Algebra I

The purpose of this course is to better understand the nature of a mathematical system and to appreciate the basic structure of Geometry. The course is based around theorems, postulates, and definitions. Each new concept is built on previous ideas. This course also develops powers of special visualization and helps students to perceive the roles of inductive and deductive reasoning. It also examines real world applications of the course.

3210 Advanced Geometry: 1 credit - 2 semesters ~ Grade 10

☞ *Prerequisite:* Algebra I and teacher recommendation

*This is a weighted course.

This course provides an in-depth study of Geometry with emphasis on deductive proofs, critical thinking, and real-world applications that prepares students for higher level mathematics. It is the next logical step for those students who will be taking Advanced Trigonometry and Advanced Placement Calculus.

3310 Trigonometry: 1 credit - Full Year - Grades 11-12-

☞ *Prerequisite:* Geometry (Juniors may register for Trigonometry and Geometry simultaneously on the recommendation of the Algebra II teacher)

This course will review Algebra II techniques and introduce Trigonometric functions. In addition, the student should successfully complete the study of graphing, solution to triangles, identities, inverse Trigonometric functions, complex numbers, and exponential and logarithmic functions. An extensive review of functions and their graphs will take place once the Trigonometry book/course is finished, and if time permits there may be a brief introduction to Calculus.

3320 Advanced Trigonometry: 1 credit - Full Year ~ Grade 11-

☞ *Prerequisite:* Advanced Geometry

*This is a weighted course.

This course will prepare the student for the Advanced Placement Calculus course. After completing the Trigonometry book/course, the students will begin learning Calculus.

3400 Honors Calculus: 1 credit - Full Year ~ Grade 12-

☞ *Prerequisite:* Trigonometry

☆ This is a weighted course.

This course will enable students to successfully complete Calculus I in college. Topics that will be discussed will include the following: functions and their graphs, slopes, limits, derivatives, differentiability and continuity, curve sketching, and written problems. In addition, techniques of differentiation will be covered. The second part of the course will include the definite integral, areas and Riemann Sums, Trigonometric functions, and techniques of integration-integration by parts.

3410 Advanced Placement Calculus: 1.5 credits - Full Year - Grade 12-

☞ *Prerequisite:* Advanced Trigonometry

☆ This is a weighted course.

This course will prepare the student to successfully pass the Advanced Placement exam offered in May. All students will be required to take the three-hour exam. If the exam is passed, possible college credit may be attained.

**3420 Contemporary Mathematical Applications: 1 credit - Full Year
Grade 12**

This course addresses how the world around us is affected by Mathematics. It emphasizes number theory and real-world critical thinking applications. This is a broad-based overview of Mathematics which is most suitable for students who are planning to continue their education in fields such as liberal arts, elementary education, the social sciences, business, nursing, and allied health fields.

MATH ELECTIVES

3515 Keystone Algebra: 0.5 Credits - 1 semester~ Grades 9-12

☞ *Prerequisites-* Basic or Below Basic on the Keystone Algebra 1 exam.

Students are automatically scheduled into this course if they have not earned proficiency or advanced on the standardized test during the latest testing window. In this remediation course, students will revisit Keystone Algebra 1 topics from both Module 1 and Module 2 of the exam to increase their overall exam score into the proficient range or above.

3520 Business Math 1: 1 credit - Full Year~ Grades 11-12

☞ *Prerequisite:* Algebra 1A and Algebra 1B

Students who successfully completed Algebra 1, Algebra 2 and/or Geometry or higher may take this course CONCURRENTLY (not independently) with another academic based math course.

This course is designed to build upon previous knowledge and skills to solve a variety of arithmetic problems that are commonly found in personal and business financial situations. The course begins with a comprehensive review of the decimal system and basic calculations. Next are fractions, percentages, and ratios. Then we move on to exponents and square roots. Students develop the skills necessary to solve mathematical problems, analyze and interpret data, and apply sound decision-making skills in business and personal financial situations.

3530 Business Math 2: 1 credit - Full Year ~ Grades 12

☞ *Prerequisite:* Business Math 1

In this course students will study loans, credit cards, taxes, saving and borrowing money, stocks, bonds, insurance, basic statistics and graphs and profit and loss. Students focus on developing mathematical skills. Case studies and projects are used extensively so that concepts are related to everyday business and personal situations.

3540 Honors Probability and Statistics: 0.5 credit -1 semester ~ Grades 11-12

☆ This is a weighted course

This course will describe sample data methods of analyzing data, percentiles and scores probability and the rules of probability, the binomial distribution, the normal distribution lines correlation and regression sampling and the Chi-square distribution, and standard deviation. It is recommended for those students planning on entering fields of engineering or science.

SATP - SAT Math Preparation: 0.5 credit - 1 semester ~ Grades 11-12

☞ Prerequisite: Algebra 2

This course is designed to strengthen and broaden students' understanding of mathematical concepts, procedural skill and fluency in math, and their ability to apply those concepts and skills to real-world problems.

SCIENCE CURRICULUM

Science Course Matrix

Grade	Career Pathway #1	Career Pathway #2	Career Pathway #3 (Accelerated/Advanced)
9	Environmental Science	Biology- (Keystone Exam)	Chemistry
10	Biology- (Keystone Exam)	Chemistry	Physics
11	Physical Science/Chemistry	Physics	(Science Elective)
12	(Science Elective)	(Science Elective)	(Science Elective)

4410- Environmental Science: 1 credit - Full Year ~ Grades 9-12

This course examines organism/environment interactions. Major terrestrial, ocean, and freshwater biomes are analyzed with regard to limiting factors, carrying capacities, and trophic level relationships. Resource and pollution issues are examined, stressing tradeoffs necessary to maintain current societal needs. Appropriate lab experiments will be conducted.

4105 Physical Science : 1 credit - Full Year ~ Grade 9-12

This is a general science course, and it is designed to be practical and adaptable to everyday living. Intended for students not planning on attending college. It will cover the fundamental concepts of both Chemistry and Physics. Lab experiments will be conducted when appropriate. Part I: Chemistry. Topics will include scientific method/ metric units of measurements, matter and its phases, atomic structure, chemical bonding/ acid/ base/ salt classifications, chemical formulas, and energy in chemical reactions. Forces that make motion possible (work, power, simple machines), and energy forms such as temperature/heat, electricity, magnetism, sound, and light, nuclear reactions and radioactivity will also be discussed.

4110 Biology: 1 credit - Full Year ~ Grades 9-11 Required

This course deals with the nature of life, chemistry of life, including bioenergetics, cell biology, Mendelian genetics, evolution, human physiology, and ecology. Current topics in biological sciences are an integral part of this course. Upon conclusion of the course, students will be required to take the Pennsylvania Keystone Exam in Biology.

4115 Advanced Biology: 1 credit - Full Year ~ Grade 9

☞ *Prerequisite:* 92% or higher in 8th grade Science, teacher recommendation and scoring Advanced in diagnostic testing including 8th grade PSSA Science.

☆ This is a weighted course

This course is designed for students who are able to perform accelerated academic reading/writing skills. Coursework deals with the nature of life, chemistry of life including bioenergetics, cell biology, Mendelian genetics, evolution, human physiology, and ecology. Current topics in biological sciences are an integral part of this course. Upon conclusion of the course, students will be required to take the Pennsylvania Keystone Exam in Biology.

4200 Forensic Science: 1 credit - Full Year ~ Grades 10-12

☞ *Prerequisite:* Chemistry (Trigonometry and Physics are recommended, but not required)

Forensic Science is the application of science to the law. This course introduces students to the many disciplines of forensic science and how they are used in our criminal justice system. Students will be introduced to the science behind these disciplines and how forensic science techniques are used in crime laboratories throughout the United States and abroad. The course will offer insights into the day-to-day investigative work and how those in the field face technological challenges and success. The scientific method will be emphasized throughout the course.

4210 Chemistry: 1 credit - Full Year ~ Grade 10

☞ *Prerequisite:* Algebra I and Biology

This is a science which deals with the study of matter, its properties, structure, composition, and use. It also focuses on the interaction of matter. The course includes laboratory experimentation, classroom discussion, lecture, demonstrations, and student participation. Basic to its understanding is a well-founded understanding of mathematics and its respective operations and related applications.

4300 Physics: 1 credit - Full Year ~ Grade 10-12

☞ *Prerequisite:* Algebra I and Biology

Physics is designed to present concepts and applications of the following topics: dimensional analysis, motion in a straight line, gravitation, motion in two dimensions, Newton's Laws, forces and motion, center of mass, momentum, impulse, work, power, and kinetic & potential energy. The course includes laboratory experimentation, classroom discussion, lecture, demonstration, and student participation. Students will also participate in a large projectile motion project.

4315 Honors Advanced Biology: 1 credit - Full Year ~ Grade 11-12

☞ *Prerequisite:* Chemistry and Algebra 1 (92% avg or higher), teacher recommendation and scoring Advanced on the Biology Keystone exam.

☆ This is a weighted course

This course is recommended for those students who intend to major in biology at the college level and/or those who plan on entering nursing or healthcare fields. It is an advanced course intended to develop a deeper understanding of biological concepts. Students will be expected to apply higher level thinking skills along with writing proficiency and communication through discussion and collaboration. Topics include in-depth exploration of biochemistry, bioenergetics, cell biology, Mendelian genetics, gene regulation evolution and ecology. Current topics in biological sciences are an integral part of this course.

4330 AP Chemistry: 1.5 credits - Full Year w/ Lab ~ Grades 11-12

☞ *Prerequisite:* Chemistry

☆ This is a weighted course.

The APR Chemistry course uses a model of instruction that promotes enduring, conceptual understandings of Chemistry. This approach enables students to spend less time on factual recall and more time on inquiry-based learning of essential concepts and helps them develop the reasoning skills necessary to engage in the science practices used throughout their study of AP Chemistry. The breadth of content covered in AP Chemistry supports enduring understanding of Chemistry. Students who take an AP Chemistry course will also develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The AP Chemistry course is designed to be the equivalent of the general chemistry at the college level.

4340 Human Anatomy and Physiology: 1 credit - Full Year ~ Grades 11-12

☞ *Prerequisite:* Chemistry

This course is intended for those students who intend to enter the biological science, nursing, health care or paramedical field. The course deals with the study of the human body with regard to its structure and function. A system-by-system approach emphasizes the synthesis of individual cells, tissues, organs, and organ systems into a vital functioning organism.

4400 Honors Advanced Physics: 1 credit - Full Year ~ Grade 11-12

☞ *Prerequisite:* Physics

☆ This is a weighted course.

This is an advanced course which deals with electric charge, electric fields, electric potential, current & resistance, series & parallel circuits, optics (light, reflection, and refraction), longitudinal and transverse waves, sound (intensity, Doppler effect, and beats), fluid mechanics, and thermodynamics. The course includes laboratory experimentation, classroom discussion, lecture, demonstration, and student participation. Students will also participate in a large Raspberry Pi project.

SCIENCE ELECTIVES

4510- STEAM I - 0.5 credit - 1 semester ~ Grades 9-12

This interdisciplinary course (Science, Technology, Engineering, Arts, and Mathematics) is designed to offer an introduction to computer science and engage students in real world, hands-on, collaborative learning experiences to develop critical thinking and problem-solving skills while using cutting-edge technologies. This course will take a look into block-based programming, Python text programming, programmable robots such as the Sphero BOLT and the micro: Maqueen Plus, and the Makey Makey electronic invention kit.

4520 STEAM II - 0.5 credit - 1 semester ~ Grades 9-12

☞ *Prerequisite* - STEAM I

In this second course of the STEAM series, students advance their knowledge of foundational concepts and skills of programming and computer science (CS). Students build their understanding of programming through coding explorations, practices, and projects in Python, where they create animations, games, and other interactive programs. This course also will take a deeper look into more advanced programmable robot activities using the Sphero BOLT and the micro: Maqueen Plus, along with projects using the Raspberry Pi, a pocket-sized computer designed to teach programming skills and build hardware projects.

4120 Astronomy- 0.5 credit- 1 semester ~ Grades 9-12

This is a semester elective course designed for high school students interested in studying astronomy. Astronomy studies all aspects of the known universe, an observational science that has transformed over the ages as new models, ideas, and instruments are introduced.

The main topics of the course are:

- The solar system - history of understanding the solar system and universe, the planets and their moons, asteroids, and comets.
 - Stars and stellar evolution - stellar birth and the formation of planets, stellar death, including neutron stars, black holes, and supernovae.
 - Galaxies - galaxy classification, quasars, supermassive black holes, and dark matter.
 - Cosmology - the expansion of the universe, its origin in the Big Bang, dark energy, and the future of the universe.
 - Current Explorations - recent missions that have explored many areas of the universe.
- The course emphasizes the physical processes at work in the universe and the methods we use to learn about the universe.

4540 Keystone Biology Remediation: 0.5 credit - 1 semester ~ Grades 10-12

☞ *Prerequisite:* Basic or Below Basic on the Pennsylvania Keystone exam.

This is a remediation course designed for those students scoring below proficient on the Pennsylvania Keystone Exam in Biology. Students will receive Biology remediation for one semester and then will be provided the opportunity to retake the Pennsylvania Keystone exam in Biology during the retesting window.

4550 AP Computer Science: 1 credit - Full Year ~ Grades 11-12

Prerequisite - 90 % or higher in Algebra II

*This is a weighted course.

This course is designed to prepare students for the AP Computer Science exam, level A. It focuses on the details of writing computer software using the Java programming language. Topics include simple, user defined and structured data types, algorithm development, decisions and loops, arrays, recursion, searches and shots, data abstraction, and classes. Previous computer programming experience is not required. This course may be used as a math credit.

FOREIGN LANGUAGE CURRICULUM

510WL World Language I: 1 credit - 2 semesters ~ Grades 9-12

This is an online introductory course. Students may choose from Sign Language, French, German, Latin or Madarin. Students learn basic vocabulary and grammar. Students will also learn about the culture of the country.

510S Spanish I: 1 credit - 2 semesters ~ Grades 9-12

This course is an introduction to the Spanish language through conversation, reading, writing and translation. Emphasis is on grammatical construction and vocabulary. Aspects of Spanish culture and its influence are introduced. The use of Spanish language in our country is explored.

520WL World Language II - 1 credit - 2 semesters ~ Grades 10-12

Prerequisite: A student must have successfully completed World Language I with at least a 70% average or teacher's recommendation.

This is an online course for French, German, Latin or Mandarin. Students will build on their skills from level I. They will increase proficiency in reading comprehension, written skills, and conversation. Students will also strengthen their cultural awareness.

520S Spanish II: 1 credit - 2 semesters ~ Grades 10-12

Prerequisite: A student must have successfully completed Spanish I with at least a 70% average or teacher's recommendation.

The first year's basic grammatical structures will be reviewed. Further structures will be reviewed with a stress on conversation. Cultural readings will become progressively longer and more challenging.

530WL World Language III: 1 credit - 2 semesters ~ Grades 11-12

Prerequisite: A student must have successfully completed World Language II with at least a 70% average or teacher's recommendation.

This is an online course for French or German. Students will build on the knowledge and background from Level II to increase fluency and proficiency in reading, writing & conversational skills. Students will learn more about the culture and how to participate more naturally in conversations with native speakers.

530S Spanish III: 1 credit - 2 semesters ~ Grades 11-12-

Prerequisite: A student must have successfully completed Spanish II with at least a 75% average or teacher's recommendation.

This course is for students who can read and understand this foreign language. A greater emphasis will be placed on writing and speaking. Conversation will be extensive.

540 World Language IV: 1 credit - 2 semester ~ Grade 12

Prerequisite: A student must have successfully completed World Language III with at least a 70% average or teacher's recommendation.

This is an online course for French or German. Students will refine their proficiency in listening comprehension, speaking, reading, and writing. This course stresses oral skills, comprehension, composition, and grammar. The class is conducted fully in the foreign language.

540S Spanish IV: 1 credit - 2 semesters ~ Grade 12

Prerequisite: A student must have successfully completed Spanish III with at least an 80% average or teacher's recommendation.

This course's main concentration will be on conversation. This will be based on cultural readings and everyday life situations. Reading and writing will be of a lesser degree. Literature will be introduced at this level.

BUSINESS EDUCATION & COMPUTER SCIENCE CURRICULUM

6100 Computer Applications I: 0.5 credit - 1 semester ~ Grades 9-10

☞ THIS IS A REQUIRED COURSE FOR ALL 9TH GRADE STUDENTS.

An introduction course that allows students to become familiarized with terms and skills associated with word processing software, and spreadsheet software. Students will learn the basic terminology and skills needed to operate these programs. They will create, format, edit, and present multiple projects using all of the above software programs.

6200 Computer Applications II: 0 .5 credit - 1 semester ~ Grades 9-10

☞ THIS IS A REQUIRED COURSE

This course is a continuation of Computer Applications I. Students will learn more advanced skills in the following software programs: word processing, presentation, and spreadsheet. Students will create multiple business documents that will be useful in their future jobs or schooling after high school. Students will create many different business documents using the above software programs.

6230 Consumer Career Exploration: 0.25 credit - 1 quarter ~ Grades 9-10

This course is designed to provide students with information on various aspects of a career so that they are able to make a smooth transition from school to work. Throughout this course, students will complete various self-assessments to analyze their interests, skills, values, and personality. They will then use these assessments and the internet to research different career opportunities and to develop a career plan. The students will also get the chance to learn about why people work; the difference between having a job and having a career; what it takes to be a successful entrepreneur; and how to conduct a job search, fill out a job application, and prepare a resume and cover letter. Finally, the course will end with instruction on calculating gross and net pay and what gets deducted from your paycheck.

6330 College and Career Readiness: 0.5 credit - 1 semester ~ Grades 11-12

This course will help prepare students for life beyond high school. Students will seek to better know themselves and their options, in order to make informed decisions about their future educational and/or career choices. Students will look at the actual cost of college, how to apply for grants and scholarships, how to fill out a FAFSA form, and work/study options. This course can be offered to students who want to attend a post-secondary institute or a student that wants to go right into the workforce.

6120 Advertising & Marketing: 0.5 credit - 1 semester ~ Grades 9-12

This course will be an introduction to marketing and advertising and will cover numerous topics, including marketing analysis and segmentation, market research, types of consumers, 4Ps of marketing, advertising, selling, and careers in marketing. Different aspects of advertising will be researched and evaluated that will include television, radio, print media, social media, and the Internet. The emerging role that information technology plays within marketing will also be covered. Students will be required to "think critically" and draw conclusions based on different marketing situations. Students will create a business of their own and apply the skills learned throughout this course accordingly. This project will be a semester-long activity in which the students will apply the information and skills taught in each lesson to their business to assess their understanding of the material throughout the semester.

6130 Introduction to Business: 0.5 credit - 1 semester ~ Grades 9-12

This course is designed to provide an overview of the basic business practices and procedures. It familiarizes students with basic vocabulary common to business transactions. They will learn the fundamentals of business such as economic decisions and systems, business organizations, entrepreneurship and small business management, management and leadership, business ethics, and human resources, culture, and diversity in the workplace.

6135 Introduction to Business II: 0.5 credit - 1 semester ~ Grades 9-12

☞ *Prerequisite:* Introduction to Business I or Entrepreneurship

This course will be a continuation to Introduction to Business I. This course will include the following career planning, marketing, business technology, financial management, production/operations, risk management, global economy, money management, and banking/financial services. This course will provide further knowledge to the students on the intrigue workings in the business setting.

6140 Money Management: 0.5 credit - 1 semester ~ Grades 9-10

This course's primary objective is to provide students with basic financial tools and knowledge that will enable them to build the lives they envision. The course will

cover financial responsibilities, planning for the future, budgets, income, and careers, spending and credit, saving and investing. The main focus is to understand how to plan for the future by planning for today. The students will better understand how to manage money with fun activities and hands-on activities that will include defining key money management terms, explain how budgeting, saving, and spending money are related, and demonstrate the understanding of personal goal setting. Students will "think critically" and draw conclusions based on different real-world situations.

6210 Accounting I: 0.5 credit - 1 semester ~ Grades 10-12

This course is an introduction to the entire accounting cycle from originating data to interpreting financial information. Special journals are utilized dealing with cash receipts, cash payments, purchases, and sales. Students are introduced to financial statements, payroll, and year-end procedures. Accounting I cannot be used as a math credit.

6215 Accounting II: 0.5 credit - 1 semester ~ Grades 10-12

☞ *Prerequisite:* Accounting I

This course is a review of the complete accounting cycle with an increased emphasis on merchandising. Partnership and Corporation accounting and payroll procedures are covered through the use of business simulation projects. Computer skills will be utilized in recording and processing financial information. Accounting II cannot be used as a math credit.

6220 Accounting III - 1 credit - 2 semesters~ Grades 11-12

☞ *Prerequisite:* Accounting II

This course is intended for students planning a career in accounting or business and will delve into Generally Accepted Accounting Principles (GAAP) deepening their understanding of the recording and reporting of financial information, the underlying theoretical foundations of accounting, and the analytical skills needed by business and accounting students.

6230 International Business: 0.5 credit - 1 semester ~ Grades 10-12

Students will develop the skills to do business in markets around the world. Students learn the ins and outs of multinational organizations' strategic plans as well as foreign business practices. They will also combine business basics with cultural and linguistic immersion. They will understand business concepts of other countries' financial, sociopolitical, legal and economic systems. Students may also develop a diverse skill set that includes foundational knowledge from the liberal arts, such as foreign language proficiency. Studies will include subjects such as introductory microeconomics and macroeconomics in foreign countries. There will be some focus on foreign market analysis, international risk assessment or similar topics. The students' final project will require them to write a report that will cover a country of their choosing to discuss and show that they have an understanding on how business is conducted in that country.

6340 Personal Finance: 0.5 credit - 1 semester ~ Grades 11-12

This course is required and focuses on the financial skills necessary as a financial independent adult. Students will learn how everyday financial decisions affect their lives including budgeting, payroll, and savings and investing, banking, credit and borrowing, insurance and risk and taxes.

6350 Entrepreneurship: 0.5 credit - 1 semester ~ Grades 11-12

This course will be an introduction to entrepreneurship, so the student can decide if this is a career they wish to pursue after high school. This course will cover areas like "How to select what business you want to start-up". There are 4 main types of business organization: sole proprietorship, partnership, corporation, and Limited Liability Company. They will then select a business that they want to start-up where it can be a franchise, trade business, store owner or a joint venture. They will need

to develop a business plan that is a written document describing a company's core business activities, objectives, and how they plan to achieve their goals. Business plans will include an executive summary, products and services, marketing strategy and analysis, financial planning, and a budget.

6360 Investing 101: 0.5 credit - 1 semester ~ Grades 11-12

Students will develop the skills that are soft skills learned over time, such as focus and control. Other skills require more formal education, including a deep understanding of economics, financial markets, technical analysis, and research. During the course they will continuously conduct research and analysis to determine potential price patterns of stocks. This involves keeping a close eye on the day-to-day movements of financial markets, as well as taking into consideration broader economic trends. The students will then use this information to inform their buy and sell decisions. We will take a brief look at colleges that offer similar degrees that prepare the student to enter the financial world. Throughout the semester the student will track 3 to 5 stocks based on the information that they have learned through the course to show why they chose that stock and how it performed over a 30 cycle.

CSI105 Introduction to Computers and Applications: 1 credit- 1 Semester~ Grades 11-12-
LCCC Class - **Fee**

This course is designed to help students become effective, informed digital citizens who navigate the internet securely and who are prepared to do college-level work using technology. It is intended for students with little or no computer experience. The course is taught in a problem-based learning environment in which students explore technology and determine how best to apply it. Topics covered include security issues inherent in the use of technology, how software is created and used, and the traits of good cyber citizenship. Students will learn how to construct academic work using documents, spreadsheets, and presentations.

TECHNOLOGY CURRICULUM

8000 Introduction to Crafts: 0.5 credit - 1 semester ~ Grades 9-12

This one semester elective course integrates knowledge, skill, creativity, and practices with traditional crafts. Are you "Crafty" and like to make things with your hands? This course is designed as a "hands-on" craft class to encourage students to explore and create craft work from projects that will enhance their lives. Some craft forms covered in this course may include Cork Art, wind chimes, jewelry, jewelry boxes, planters, sewing crafts, wood burning ornaments, weaving, and seasonal and traditional crafts.

8100 Intro to Technology: 0.5 credit - 1 semester ~ Grades 9-12

This one semester elective course will focus on many aspects of Technology. Terminology, design techniques, programming, editing, problem solving, materials, and construction will be addressed. Various multimedia equipment and new media fundamentals will be utilized to create projects. Wood making skills and projects will also be introduced along with 3D artwork. This will allow the students to create an academic recourse in which they will have the ability to integrate personalized technology into their education process.

8200 Material Processes I: 0.5 credit - 1 semester~ Grades 9-12

This one semester elective course will focus on many aspects of materials. Terminology, project design, problem solving, practical mathematics, wood making, and construction will be addressed. Students will be trained on the safe and proper use of hand and power tools. Practical experience is gained through these various projects. These projects consist of a wooden key holder, wall clock, CO2 dragster, an inspirational sign, cutting board, and letter art to name a few. This

course allows the students to create an academic resource in which they will have the ability to integrate personalized technology into their education process.

8300 Material Processes II: 0.5 credit - 1 semester ~ Grades 10-12

Prerequisite: Material Processes I

This one semester elective course will focus on many aspects of materials. Students will take it up a notch by using their experiences and knowledge from MPI. Terminology, project design, problem solving, practical mathematics, wood making, and construction will be addressed. Students will be trained on the safe and proper use of hand and power tools. Practical experience is gained through these various projects. These projects consist of an inspirational plaque, toothpick bridge, 3D art, game board, coat rack, cutting board, and tables to name a few. This course allows the students to create an academic resource in which they will have the ability to integrate personalized technology into their education process.

HEALTH CURRICULUM

9125 Health: Required - 0.25 credit - 1 Quarter ~ Grade 9

This course is required and focuses on the well-being of the student. The course will cover the three aspects of a healthy individual (mental, physical, and social health) and will also provide the student with the information needed in order to make wise and healthy decisions in regard to tobacco, alcohol, drugs, and sexual relationships.

DA15 Drug and Alcohol Awareness: 0.25 credit - 1 Quarter ~ Grade 10-12

Prerequisite - Health

This course is designed to educate students about the dangers involved with the use of drugs and alcohol. The course will provide an in-depth description of different drugs that are commonly abused by teenagers and the effects that these drugs have. The students will learn about the path to addiction and the overall harm that is associated with drug and alcohol use and abuse.

PHYSICAL EDUCATION CURRICULUM

9105 Physical Education: 0.25 credit - 1 Quarter ~ Grades 9

Physical Education at Panther Valley High School is intended to develop physical, mental, and social skills of the students. This is done through various activities during the semester. These activities include team activities to develop such skills as cooperation and communication. Also included are individual and group physical fitness activities so that the student can work at his or her own pace to achieve a higher level of fitness and fun while participating.

9200 PE: Basketball - 0.25 - 1 Quarter ~ Grades 10-12

This course will teach the skills involved with the game of basketball. Students will have the opportunity to learn and/or improve upon their basketball skills and will also learn the strategies and concepts involved with this sport. The students will also learn to officiate the game by understanding the rules that are associated with basketball. Students will be given the opportunity to engage in spirited competition while enjoying various activities within the game of basketball.

9205 PE: Flag Football: 0.25 - 1 Quarter ~ Grades 10-12

This course will allow students to learn the game of football and engage in spirited competition. Students will learn the rules, strategies, and concepts involved with flag football. Students will also learn how to officiate flag football and will have

opportunities to serve as referees. This course will take place outdoors as long as the weather cooperates.

9210 PE: Golf - 0.25 - 1 Quarter ~ Grades 10-12

This course will teach the students about the game of golf. Students will learn the concepts involved with swinging a golf club and striking a ball. The students will learn to differentiate between clubs and understand which club should be used given certain situations. Students will learn to identify parts of a golf course and also gain an understanding of the rules which govern the game of golf.

9215 PE: Kickball - 0.25 - 1 Quarter ~ Grades 10-12

This course will focus on the game of kickball. Students will learn the rules of the game and variations of kickball. Students will participate in competitive kickball games and learn the offensive and defensive strategies associated with the game. Students will also learn how to officiate the game and will be given the opportunity to do so. This course will take place outdoors as long as weather permits.

9220 PE: Personal Fitness 0.25 - 1 Quarter ~ Grades 10-12

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used to obtain physical fitness. Students will benefit from weight training, fitness testing, cardiovascular activities such as the mile, Yoga, Pilates, and Zumba. Students will learn the fundamentals of strength training, aerobic training and conditioning. This course will take place in the gym, weight room, or on the track.

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9225 PE: Racquet Sports- 0.25 - 1 Quarter ~ Grades 10-12

This course is designed to teach students the skills and concepts involved in the games of "Pickleball" and badminton. Students will learn the rules of the games and also show the ability to officiate. Students will compete in both "singles" and "doubles" play. (Casual and Competitive)

9230 PE: Recreational Games - 0.25 - 1 Quarter ~ Grades 10-12

This course is designed to develop knowledge and skills in recreational activities and games, while still managing to stay physically fit and socially active. Students will participate in a variety of individual and team activities such as ladder ball, bocce ball, four square, horseshoes, bean bag toss, ultimate Frisbee, and dodgeball. This course will take place in the gym or outside.

9235 PE: Softball - 0.25 - 1 Quarter ~ Grades 10-12

This course will focus on the game of "slow pitch" softball. Students will learn the rules of the game and variations of slow pitch softball. Students will participate in competitive softball games and learn the offensive and defensive strategies associated with the game. Students will also learn how to umpire the game and will be given the opportunity to do so. This course will take place outdoors as long as weather permits.

9240 PE: Target Games - 0.25 - 1 Quarter ~ Grades 10-12

This course will teach students the skills and concepts needed to enjoy various target related games. Activities will include archery, shuffleboard, "Ladderball", "Can-jam, etc. (Casual)

9245 PE: Volleyball - 0.25 - 1 Quarter ~ Grades 10-12

This course is designed to teach students the skills and knowledge needed to enjoy the game of volleyball and its various styles of play. Students will demonstrate the skills needed to successfully play the game and will also learn concepts and strategies involved. Students will also be taught the rules of the game and demonstrate the ability to officiate a volleyball game and will have the opportunity to compete in spirited gameplay. (Competitive)

9250 PE: Weight Training - 0.25- 1 Quarter ~ Grades 10-12

This course focuses on weight training programs to develop muscular endurance and muscular strength. Students will learn weight room etiquette and how to properly use the machines /free weights in the weight room. Students will design and implement a weight-training program tailored to their own fitness goals. This course will take place in the weight room. (Casual)

JROTC CURRICULUM

JROTC I: 1 credit - 2 semesters ~ Grades 9-12

☞ JR11 - Fall Semester, JR12 - Spring Semester

This course includes the foundations of JROTC; leadership theory including the principles of leadership, roles of leaders and followers and preventing sexual harassment/assault; self-awareness and personal growth; brain structure and function as it relates to learning; developing effective study skills and communication skills; conflict resolution; financial goal setting; physical fitness, first aid; introduction to map reading; drill and ceremonies and service learning.

JROTC II : 1 credit - 2 semesters ~ Grade 10-12

☞ Prerequisite: JROTC I

JR21 - Fall Semester, JR22 - Spring Semester

This course includes achieving a healthy lifestyle by learning about nutrition, first aid for emergency situations, drug awareness and drug effects; map reading; citizenship in American history highlighting citizenship skills, group meetings, development of Republican government, and creation of the Constitution and the Bill of Rights; physical fitness; drill and ceremonies and service learning.

JROTC III: 1 credit - 2 semesters ~ Grades 11-12

☞ Prerequisite: JROTC II

JR31 - Fall Semester, JR32 - Spring Semester

This course includes basic command and staff principles; cultural diversity; leadership strategies and leading others; developing better speaking and writing skills; managing anger and conflict; career exploration with college and military career opportunities; goals and goal setting; time management; financial planning to include budgeting and saving, critical thinking in citizenship; physical fitness, drill and ceremonies; map reading; and service learning.

JROTC IV: 1 credit - 2 semesters ~ Grade 12

☞ Prerequisite: JROTC III

JR41 - Fall Semester, JR42 - Spring Semester

This course includes learning about service to the Nation by studying the Department of Defense, the active Army and Reserve components; in depth study of leadership and management skills, communication, and motivation; financial planning including credit and insurance protection; teaching skills; thinking maps and graphic organizers; physical fitness; drill and ceremonies; map reading; first aid and service learning. The seniors devote much of their time to staff work and teaching younger cadets.

ART CURRICULUM

ARTF Foundations of Art: 0.5 credit - 1 semester ~ Grades 9-12

This is an introductory level course designed to give students solid grounding in drawing techniques, color theory, design layout, basic 3-D sculptural design, and the knowledge of principles and elements of art. Exploratory techniques with graphite, colored pencils, watercolors, acrylic, clay, and cardboard will be explored.

ARTU Introduction to Urban Art: 0.5- 1 Semester~ Grades 9-12

We are impacted every day by visual communications: advertisements, architecture, signage, graffiti, murals, and monuments. Images are crucial vehicles for public communication. It is important to understand how public visual communication uses urban space to create a message, and to generate a sense of community. This course analyzes various forms of public art to analyze how radical non-institutional art (graffiti, wheat-pasting, muralism, public performance) function as a form of public communication about different models of community. Students will explore the many ways in which the arts impact the community as well as how the community impacts the arts. By the end of the course, students will gain a greater understanding of the relationship that exists between the arts and the community.

ARTD1 Drawing and Painting I: 0.5 credit - 1 semester ~ Grades 9-12

☞ *Prerequisite:* Introductory Foundations of Art

Students will learn the most basic necessity to the arts-realistic drawing. Basic elements such as line, shape, texture, form, and space are ingredients of drawing. Perspective, composition/layout, lighting, and dimensional form will be studied so that drawing ability will improve. Materials such as felt tip markers, prism colors, charcoal, and pen and ink are used. For the second half of the year the course will include the execution of several paintings in a variety of media such as pastels, watercolor, acrylics, and mixed media. Assignments will be based on color theory. Several major periods of painting such as Impressionism, Surrealism, etc., will be studied, as well as project work dealing with realism and abstraction.

ARTD2 Drawing and Painting II: 0.5 credit - 1 semester ~ Grades 10-12

☞ *Prerequisite:* Drawing and Painting I

Continued development of color theory with added emphasis on the technique of such master artists as Chuck Close, Henri Seurat, Pablo Picasso, Jackson Pollack, etc. The student will experiment with various approaches to color, composition, and paint handling in the creation of both realistic and abstract approaches to the still life landscape, and portrait images.

ARTC1 Ceramics I: 0.5 credit - 1 semester ~ Grades 9-12

☞ *Prerequisite:* Foundations of Art

This introductory ceramic course will build three dimensional skills in the media of clay. Three dimensions imply working as a sculptor does (in the round) considering space and form. The emphasis is on hand building techniques such as masks, lanterns, sculptural animals, and functional containers.

ARTC2 Ceramics II: 0.5 credit - 1 semester ~ Grades 10-12

☞ *Prerequisite:* Ceramics I

Students will be expected to know the basics of hand building and expand on them. Larger, more sculptural projects will be expected. Many decorating techniques will be used including slip-trailing, wax resist, and watercolor. Under glazing with and without patterns will be explored. Emphasis will be on idea gathering, critical thinking, aesthetics, and interpretation of art.

ARTC3 Ceramics III: 0.5 credit - 1 semester ~ Grades 10-12

☞ *Prerequisite:* Ceramics II

This course is a continuation of Ceramics II. More elaborate construction techniques will be combined with respect to formulation of concepts. Projects will involve dioramas and fables, homes versus landscapes, etc. Throwing on the wheel will be continued.

MUSIC CURRICULUM

MUS1A/ MUS1B Band: 0.5 credit - Fall semester ~ Grades 9-12

Panther Valley Band: 0.5 credit - 1 semester ~ Grades 9-12

Enrollment in marching band and concert band. All students - regardless of prior experience - are welcome to enroll! New band members should notify the band director

either in person or via email at jaeschken@panthervalley.org. Pre-scheduled rehearsals will begin with band camp in August. Students who take band will be expected to attend performances outside of school hours, including but not limited to concerts, football games, parades, and competitions. All students enrolled in band will also be signed up for instrumental lessons.

MUS 2 Digital Audio: 0.5 credit - 1 semester ~ Grades 9-12

Designed for those interested in music production, this course will lay down the fundamentals for creating music in a digital space. Whether you want to create sound effects, beats, songs, or edit audio for studio production, podcasts, television, radio, or film, this course will provide you with the skills and knowledge you need to get started. Students will learn how to navigate a digital audio workstation (DAW) and develop skills in arranging, editing, mixing, and mastering audio.

MUS3 Intro to Music Theory: 0.5 credit - 1 semester ~ Grades 10-12

Prerequisite: 85% or better in Digital Audio, or at least 1 year in band with teacher recommendation.

This course is designed for students with an interest in the technical aspects of music composition and will provide an introduction into western music theory. Anyone interested in music composition - from the instrumentalist to the music producer - is recommended to take this class. We will cover the basics of functional harmony, creating melodic interest, and musical form. Students will also be introduced to some fundamental aural skills to help develop their inner ear. Staff notation will be used ubiquitously throughout this course - students who are not fluent in reading sheet music should be prepared to learn.

MUS4 Percussion Ensemble: 0.5 credit - 1 semester ~ Grades 9-12

Learning the basics of percussion and playing percussion ensemble music.

AP Music Theory: 1 credit - Full Year ~ Grades 11-12

Prerequisite: 85% or better in Intro to Music Theory

This course is a college-level music theory class. Students can expect to hone their aural and dictation skills, and dive deeper into technical and design aspects of composition. Topics discussed include 4-part voice leading, melodic embellishments, motivic development, and secondary function. Expect to read, write, adiate, and dictate. More information regarding course content and the AP exam can be found on College Board's website.

**WORK1/WORK2 - Work Cooperative - (Fall/Spring semester) NO CREDIT - 1 semester ~
Grade 12**

Permission required

Students who obtain part-time employment outside of school and are maintaining a GPA of 3.0 or better and are fulfilling all academic requirements may be eligible for work experience. Those students will carry a minimum 4.0 credit schedule and may be dismissed from school as early as 12:46 PM to work at their place of employment. They will be held accountable for their attendance at the workplace and proper conduct outside of the school. Abuse of this privilege due to academic, attendance, discipline or illegal problems will result in termination of a student's work experience, and the student will resume a full school day schedule.

LEHIGH CARBON COMMUNITY COLLEGE DUAL ENROLLMENT PROGRAM ~ Grades 11-12

The Panther Valley High School in partnership with Lehigh Carbon Community College enables students who have achieved certain academic standards to take one or more college courses while still in high school. Students participating can earn transferable college credits for each course taken and also work toward meeting high school graduation requirements.

The LCCC Dual Enrollment Program can lighten your future college course load. You will earn credits that can transfer to more than 70 different colleges and universities. A minimum number of students are required to offer these courses. There is a fee for the course as well as a cost to purchase a book or other required materials.

Early College through LCCC is a program that will start the beginning of a student's 11th grade year. The student's will simultaneously earn their high school diplomas while also earning an associate degree through LCCC. Information will be out in early spring and if the student is accepted the fees, tuition, transportation, and any materials needed is the responsibility of the student.

A complete list of courses that are approved by the Panther Valley School District is as follows: Link: <https://www.lccc.edu/wp-content/uploads/2022-2023-Catalog-for-web-12-12-2022.pdf>

ENG 105 Research & Composition	SOC 150	(CIS) Computer Information Systems 10
ENG 111 Speech	BIO 124 Nutrition	BUS 248 Essentials of Entrepreneurship
GEO 110 Cultural Geography	EDU 101 Foundations of Education	EDU 105 Intro. to Special Education
EDU 114 Careers in Education	CIS 114 Intro. to Game Design	ACC 160 Principles of Accounting
	CJA 101 Intro. to Criminal Justice System	

The Carbon Career & Technical Institute

The Panther Valley High School and the Carbon Career & Technical Institute agree to the following terms concerning transferring/enrolling students between the schools and student credits to enter C.C.T.I. Admission decisions are made solely by CCTI based on each student's application, academic standards and shop availability.

- Any student in the Panther Valley High School can transfer to the CCTI within the first two weeks of school. The student must stay until a semester is completed.
- Any CCTI student from Panther Valley High School may transfer back to high school within the first two-weeks or must remain until a semester is completed.
- Each school will have a representative contact the other when a student and/or a parent call to change placement from CCTI to PVHS.
- Ninth grade students eligible for the CCTI must have at least a sophomore status. Students need to have earned one credit in English/Language Arts and one in mathematics. If attending summer school to meet requirements, PVHS will inform CCTI of the student, courses taken and anticipated date of eligibility.
- Any student transferring to the CCTI from PVHS in other grade levels must have earned 70% of the credits for that grade level (rounded up using tenths only). One of the credits earned must be English/Language Arts and one must be mathematics (Algebra I or Applied Algebra).
- A specific career and technical area of concentration must be declared upon enrollment at CCTI. Career and technical area courses will count as three credits of elective, regardless of the year of transfer back to PVHS, in the event a student return to PVHS.

CCTI Post-Secondary Opportunities

Students can earn **FREE** college credits while attending CCTI. CCTI has partnered with post-secondary institutions, providing articulation credits (college credits).

Articulation Credit

An articulation credit allows high school students to receive college credit for technical courses they completed while in high school. The articulation process eliminates the need for duplication of courses at the college level, so that students can seamlessly continue their education in a related program at a postsecondary institution. Our technical programs are organized so that students may choose from a variety of post-secondary options, including technical or business schools, community college, or a four-year college program. Having learned articulation credits will save time and money. Articulation credit is absolutely **FREE**.

Articulation Credits are received through an agreement between CCTI and a post-secondary institution. CCTI currently has Articulation Agreements with: Lehigh Carbon Community College (LCCC), Northampton Community College, Pennsylvania College of Technology, Johnson & Wales University, Universal Technical Institute, and many more.

We encourage you to examine the following websites relating to articulation credits and career resources: PATrac.org, PACareerStandards.com, PACareerZone.org, GettingThemThere.com and PACollegeTransfer.com. CCTI College.

Panther Valley School District

Notice to Parents - Special Education

In compliance with state and federal law, notice is hereby given by the Panther Valley School District that it conducts ongoing identification activities as a part of its school program for the purpose of identifying students who may be in need of special education and related services (eligible students). If your child is identified by the district as possibly in need of such services, you will be notified of applicable procedures. Individualized services and programs are available for children who are determined to need specially designed instruction due to the following conditions:

1. Mental retardation
2. Emotional disturbance
3. An orthopedic impairment
4. A hearing impairment
5. Deafness
6. A speech or language impairment
7. A visual impairment including blindness.
8. Autism
9. Traumatic brain injury
10. Other health impairment
11. A specific learning disability
12. Deaf blindness
13. Multiple disabilities

If you believe that your school-age child may need special education services and related programs, or young child (age 3 to school-age) may need early intervention, screening and evaluation processes designed to assess the needs of the child and his/her eligibility are available to you at no cost, upon written request. You may request screening and evaluation at any time, whether or not your child is enrolled in the district's public-school program. Requests for evaluation and screening are to be made in writing to the Special Education Office.

In compliance with state and federal law, the Special Education Office, Panther Valley School District will provide to each protected handicapped student without discrimination or cost to the student or family, those related aids, services, or

accommodations which are needed to provide equal opportunity to participate in and obtain the benefits of the school program and extracurricular activities to the maximum extent appropriate to the student's abilities. In order to qualify as a protected handicapped student, the child must be school age with a physical or mental disability with substantial limits or prohibits participation in or access to an aspect of the school program. These services and protections for "protected handicapped students" are distinct from those applicable to all eligible or exceptional students enrolled (or seeking enrollment) in special education programs.

For further information on the rights of parents and children, provision of services, evaluation, and screening (including purpose, time and location), and rights to due process procedures, you may contact in writing the Special Education Office at the Panther Valley High School

Panther Valley High School

912 Coal Region Way
Lansford, PA 18232
(570) 645-2171
Fax (570) 645-2507

The following three websites can provide additional information for families.

Pennsylvania Training and Technical Assistance Network
Pennsylvania Parent Guide to Special Education for School Age Children
<http://www.pattan.net/resources/request.aspx?UniqueID=04795>

Pennsylvania Council for Exceptional Children
<http://www.pacec.sped.org>

Pennsylvania Department of Education- Special Education
http://www.pde.state.pa.us/special_edu/site/default.asp?g=0&special_eduNav=978&k12Nav=1141

Confidentiality: All information gathered about your child is subject to the confidentiality provisions contained in federal and state law. The district has policies and procedures in effect governing the collection, maintenance, destruction and disclosure to third parties of this information. For information about these policies and procedures, as well as rights of confidentiality and access to educational records, you may contact the Special Education Office or any building principal.