

POTTSVILLE AREA HIGH SCHOOL

ROLL TIDE!



Course Selection Book 2026-2027 School Year



Dear Student,

Welcome to a new school year at Pottsville Area High School! PAHS takes great pride in preparing you for higher education and future employment. Our goal is to provide each student with diverse and challenging learning opportunities as he or she develops into a responsible and creative citizen who understands the rewards of lifelong learning. We offer a wide variety of courses, both required and elective, and urge you to review the courses described on the following pages with your parents/guardians. Some courses have prerequisites and others do not. While making choices about your future endeavors, please consider the program of study associated with your future goals. Your parents can help with this process by providing an adult perspective to complement your school counselor's feedback. Please make an appointment with your school counselor should you have any questions about the scheduling process.

Roll Tide!

Mrs. Tiffany Hummel
Principal

Mr. Jeromy Guistwite
Assistant Principal

A Note to Parents/Guardians


Information contained in the course selection book is intended to serve as a guide in assisting students with scheduling. Details may be adjusted at the discretion of the school counselors and/or administration. After the schedule change period expires, students will not be allowed to drop a course for any reason. This includes study halls and courses in the second semester. Additionally, teacher requests and/or lunch period change requests will not be honored. If a student requests Work Study, every effort is given to honor this request, HOWEVER, if a class requested or needed for graduation happens to fall 8th or 9th period, then the class will be placed in the student's schedule and cannot be dropped. Classes will not be dropped for Work Study for any reason. If a student has Work Study on their schedule, they must leave the premises at the beginning of the scheduled Work Study and may not return for any reason until the close of school.


General Information

Howard S. Fernsler Academic Center

1501 West Laurel Blvd.

Pottsville, PA 17901


 570-628-2900


 570-621-2025

Pottsville Area High School:

1600 Elk Avenue

Pottsville, PA 17901

 570-628-2962

 570-621-2036

Administration

Principal: Mrs. Tiffany Hummel

Assistant Principal: Mr. Jeromy Guistwite

Dean of Students: Mr. Raymond Yost

Table of Contents

School Counseling Department.....	6
Graduation Requirements.....	7
Grading System.....	8
Dual Enrollment	11
National Honor Society.....	14
NCAA Information	16
Equal Rights and Opportunities Declaration	16
Programs of Study	17
Grade 9 Scheduling	19
Health And Physical Education.....	21
English	24
Social Studies	29
Mathematics.....	35
Science	43
Business.....	52
Communications and Mass Media	54
Humanities	58
World Language	59
Art.....	62
Music	66
Work Study	69
Suggested Course Sequences.....	70
Schuylkill Technology Center (STC).....	75

School Counseling Department

The Pottsville Area High School Counseling Department is committed to supporting every student's academic, career, and personal/social development. Through a comprehensive school counseling program, our goal is to empower students to reach their full potential and prepare for success beyond high school.

School Counselor	Student Alphabet	Email Address
Mr. Kyle Roeder	A - G	kroeder@pottsville.k12.pa.us
Mrs. Cindy Stasulli	H - O	cstasulli@pottsville.k12.pa.us
Mrs. Kayla Dean	P - Z	kdean@pottsville.k12.pa.us
Mrs. Lori Schuster	Guidance Secretary	lschuster@pottsville.k12.pa.us

School counselors provide support through:

- Academic advising and course selection
- College and career planning
- Social and emotional support
- Goal setting and problem-solving
- Collaboration with teachers, families, and community resources
- Crisis intervention and referrals when needed

The Guidance office is located on the first floor next to the main office and across from Room 124.

Pottsville Area High School Guidance Department Phone Number: 570-621-2964

Graduation Requirements

Every student shall complete at least **21 credits**, which include:

English	4 Credits
Social Studies	4 Credits
Mathematics	3 Credits
Science	3 Credits
Arts and Humanities	2 Credits
Health	1 Course
Physical Education	1 Course
Personal Finance	1 Course

(Class of 2027 and on)

Students will be scheduled for a **minimum of 6 credits** each year. Students can schedule a **maximum of 8 credits** each year.

Examples of Humanities are Art, Drama I, YES, World Languages, music courses, and one credit earned at the Schuylkill Technology Center.

The Pennsylvania Department of Education requires that students pass the Keystone Exams in Algebra I, Literature, and Biology (or satisfy other requirements).

Grading System

The Pottsville Area High School utilizes a **4.0 weighted GPA scale**. Each credit course in the high school has been assigned a designation of “Standard”, “Academic”, “Honors”, “Honors (Double Lab)” or “AP” based on the academic rigor of the course. Students are given quality points based on the credit value of a course (i.e., 0.5 for a semester course, 1.0 for a year-long course) and the grade they receive in each course.

Quality points for each course are calculated by multiplying the course credit, course weight, and the final grade score. The class rank for a student is determined at the end of each school year based on the cumulative quality points earned from 9th through 12th grade.

The grading scale is as follows:

Letter Grade	Grade Range
A+	≥ 97
A	93-96
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	73-76
C-	70-72
D+	67-69
D	63-66
D-	60-62
F	59 and below

Honors Program

Honors courses are designed to challenge highly motivated and academically skilled students. These courses often include in-depth studies of subjects accompanied by rigorous demands upon students in terms of study skills, homework, and independent projects. Instructional strategies for honors courses simulate the approaches utilized in the most competitive colleges and universities. Honors level courses are granted additional quality points in rank calculation. Placement in honors level courses is based in part on students meeting appropriate prerequisites, previous grades earned in the subject area, and teacher recommendation. Honors courses may require summer preparation.

Advanced Placement Program

The Advanced Placement (AP) program is a college-level academic program for high school students offered through the [College Board](#). AP courses are designed to be more rigorous than standard high school classes and help students develop advanced skills in critical thinking, writing, and problem-solving.

At the end of an AP course, students take an AP exam. Depending on their score and the policies of the college or university they attend, students can earn college credit. Participating in AP courses also demonstrates academic readiness and can strengthen a student's college application.

AP courses are college level courses; therefore, there is a higher level of expectation than in honors and college preparatory courses:

- Students who enroll in AP courses will sit for the AP exam in that course. All students electing this course must take the AP Exam in May.
- AP exams are administered in May of each school year. A score of three or higher on a scale of one to five may result in placement and/or credit at the college level.

***Please note that some colleges may require a minimum score of four to be eligible for college credit, while certain colleges do not grant credit for any AP courses - regardless of the score achieved.*

- AP courses are only available to students who meet the appropriate prerequisites. There is summer preparation work required for many of the AP courses.
- AP courses are granted higher quality points in rank calculation.
- Students are responsible for the examination fees for AP exams.
- To remain enrolled in an AP course, payment for each exam is required. The AP Coordinator will notify students when payment is due. **Any course(s) dropped due to lack of payment will not be replaced.**
-

AP courses offered by Pottsville Area High School include:

- | | |
|---------------------------------|---|
| • AP Literature and Composition | • AP Calculus AB |
| • AP Language and Composition | • AP Statistics |
| • AP Government and Politics | • AP Computer Science |
| • AP US History | • AP Biology |
| • AP World History | • AP Chemistry (<i>*Offered every other year</i>) |
| • AP 2D Art and Design | • AP Physics I |
| • AP 3D Art and Design | |
| • AP Drawing | |

Dual Enrollment

Pottsville Area High School is supplementing its already robust curriculum by offering Dual Credit courses. Seniors and juniors who would like to get a jumpstart on college courses may want to consider taking a few college courses while they are still enrolled in high school. Interested students should consult with their counselor regarding further details for dual credit courses.

Students will complete a dual credit contract and obtain approval prior to enrolling in the course.

Because college grades will permanently follow students and can impact student loan eligibility, we want to ensure that we establish guidelines that will help identify the appropriate students suited for independent, college-level work.

Eligibility Requirements:

- Grade 11 or 12
- 3.7 GPA
- Good Attendance
- Good History of Academic Integrity
- Students must maintain a B average in dual credit courses to enroll in future courses.

The following guidelines pertain to Dual Credit courses at Pottsville Area High School:

- Seniors may take up to two dual enrollment courses per semester
- Accelerated juniors may opt to enroll in one course per semester
- All dual enrollment courses and grades will be printed on student transcripts. ***This includes withdrawals and failing grades.***

- Dual Credit Course requests must be approved by the Dual Credit Committee
- PAHS ***faculty and staff are not responsible for providing instructional support or monitoring dual credit courses.*** Students enrolled in dual credit courses **assume full responsibility** for completion of course requirements, and all grading is assigned by the participating post-secondary institution.
- Students and parents/guardians are responsible for all tuition costs and other fees associated with a dual credit course. These costs will be paid directly to the college.
- Students and parents/guardians are responsible for transportation to and from the postsecondary institution, if applicable.
- Courses taken through a dual enrollment program must be at least 3 college credits in a semester to earn a semester of 0.5 PAHS credit toward graduation requirements.
- Courses completed outside of the regular school year will not be approved for dual credit and will not factor into GPA and/or rank. College courses taken during the summer, however, will be included in the notes section of the HS transcript to show student effort and achievement.
- Weight for dual enrollment courses will be AP Level and will factor into GPA and class rank calculations.
- The same drop/add policy followed at PAHS applies to dual credit courses.

Dual credit courses taken during the school year count toward graduation credits. The maximum amount of PAHS credits any one student may earn in one school year (both traditional and dual credit) is 8 total. Students may have Dual Credit periods built into their day at which time they will work on their dual credit course to accommodate this maximum.

Important Notes

Students must be aware that dual enrollment credits may not transfer to every college. It is the responsibility of students and parents/guardians to research the transferability of credits and any maximum that applies. Keep in mind that transfer credits may not count toward GPA at select colleges.

Future Dual Enrollment Course opportunities may arise when it is feasible with a college and our students. Appropriate credit and quality points will be issued for these courses. Details, eligibility, and course descriptions will be explained to all Seniors at the time that an opportunity becomes available. Our district prides itself in offering a variety of opportunities to better prepare our students for the future. We will make every effort to work with local colleges and universities to bring such opportunities to fruition.

Dual Enrollment- Emerging Health Program at STC

Emerging Health offers Dual Enrollment as a part of their program allowing Emerging Health students to concurrently enroll in 2 post-secondary courses at Penn State University (Anatomy and Physiology) to receive post-secondary credit for that coursework while participating in the Emerging Health Program. *Note - Students must meet eligibility requirements listed and apply in their junior year in order to enroll in the Senior ONLY program.*

College Courses and Credits During the Summer

Juniors and seniors interested in taking college courses in the Summer may do so at their own expense. These courses can be listed on a student's transcript to show that they took these courses; however, they cannot replace a course requirement here at PAHS, nor will PAHS credit or quality points be issued. College level courses will not count towards the Comloquoy Scholarships.

National Honor Society

Selection for membership is based on outstanding student scholarship. To remain a member, students must exhibit scholarship, character, leadership, and service. This is determined by school administration and the National Honor Society advisors.

Scholarship: Students in the top ten percent of the senior class or the top five percent of the junior class will be inducted into the National Honor Society.

Service: This quality is defined as the voluntary contributions made by a student to the school or community without compensation, reward, or educational credit.

Leadership: Student leaders are those who are resourceful, dependable, good problem solvers, promoters of school activities, idea-contributors, and people who exemplify positive attitudes about life. Leadership experiences can be drawn from school or community activities while working with or for others.

Character: The student of good character upholds principles of morality and ethics, is cooperative, demonstrates high standards of honesty and reliability, and shows courtesy, concern, and respect for others.

Prospective members must have a record without major attendance issues or known violations of character. This includes offenses such as excessive absences, cheating, plagiarism, or blatant disregard for school policies or rules. If honor violations occur after induction into the National Honor Society or there is a failure to uphold the virtues of the National Honor Society, membership may be revoked.

The National Honor Society induction ceremony will be held in the fall of each year. Students who do not qualify during their junior year, but who do meet the

requirements at the beginning of their senior year will be eligible for membership as a senior and will be inducted into the National Honor Society during the fall induction of new members. Seniors will receive Honor Graduate cowls in a recognition ceremony in May prior to graduation, if they are in the top 10% of their graduating class.

PAHS National Honor Society Academic Honesty Policy

The Pottsville Area School District mandates academic honesty and integrity. Honest behavior is the responsibility of all members of the learning community. The Pottsville Area High School defines a violation of academic honesty as the following:

- Misrepresenting one's knowledge through acts of cheating.
- Plagiarism – wrongfully using or taking the ideas of others without giving due credit.
- Obtaining advance information about quizzes, tests, and examinations.
- Choosing to be absent or late on the due date of a paper, project, tests or examination.
- Using or consulting unauthorized material or devices on papers, quizzes, tests or examinations.
- Using previous projects or papers, or portions of, for more than one course without permission.
- The unauthorized use of others' work to copy or complete an assignment.
- Providing work to others to copy or complete an assignment without a teacher's permission.

NCAA Information

Any student who plans to participate in athletics on the college level must meet certain minimum standards by the time he/she graduates from high school. Certain courses offered at Pottsville Area High School are NCAA approved. A list of these courses is available in the Guidance Office. Please consult with your school counselor when scheduling courses. Student athletes planning to play Division I or Division II – AA should register with the NCAA Clearinghouse at the end of their 11th grade year at www.ncaa.org.

Equal Rights and Opportunities Declaration

Pottsville Area School District is an equal opportunity education institution and will not discriminate on the basis of race, color, national origin, sex, or handicap in its activities, programs, or employment practices required by Title VI, Title IX and Section 504. For information regarding civil rights or grievance procedures, or for information regarding services, activities, and facilities that are accessible to and usable by handicapped persons, contact district personnel at:

Howard S. Fernsler Academic Center
1501 Laurel Boulevard
Pottsville, PA 17901
Telephone: (570) 621-2900.

Programs of Study

Below is an outline of coursework for individual Programs of Study. **Please use the core subject maps at the end of this booklet**, as they indicate a suggested sequence of coursework for each major subject. Accelerated and gifted students are required to follow the suggested sequence of courses and are not permitted to skip any course work.

Accelerated/College Preparatory

This program of study is for students who wish to pursue a **career that requires four or more years of education at a college or university**. All college prep students must successfully complete two consecutive years of the same world language.

Subject Area	9th Grade	10th Grade	11th Grade	12th Grade
English	1 Credit	1 Credit	1 Credit	1 Credit
Social Studies	1 Credit	1 Credit	1 Credit	1 Credit
Mathematics	1 Credit	1 Credit	1 Credit	1 Credit <i>(Recommended)</i>
Science	1 Credit	1 Credit	1 Credit	1 Credit <i>(Recommended)</i>
World Lang.	1 Credit	1 Credit	1 Credit	1 Credit
PE	0.5 Credit (9th Grade PE)	—	—	—
Health	0.5 Credit (Health)	—	—	—
Electives	1–2 Credits	1–2.5 Credits	1–3 Credits	1–3 Credits
Personal Finance		.50 Credit		
Total Credits	6–8 Credits	6–8 Credits	6–8 Credits	6–8 Credits

Academic and CTC

Within this program, students gain the minimal requirements needed for **some formal education beyond high school either** in a technical school, community college, or four-year college or university. The following courses are required for all academic students:

Subject Area	9th Grade	10th Grade	11th Grade	12th Grade
English	1 Credit	1 Credit	1 Credit	1 Credit
Social Studies	1 Credit	1 Credit	1 Credit	1 Credit
Mathematics	1 Credit	1 Credit	1 Credit	1 Credit <i>(Recommended)</i>
Science	1 Credit	1 Credit	1 Credit	1 Credit <i>(Recommended)</i>
World Lang.	1 Credit <i>(Recommended)</i>	1 Credit <i>(Recommended)</i>	1 Credit <i>(Recommended)</i>	1 Credit <i>(Recommended)</i>
PE	0.5 Credit (9th Grade PE)	—	—	—
Health	0.5 Credit (Health)	—	—	—
Personal Finance			.50 Credit	
Electives	1–2 Credits	1–3 Credits	1–3 Credits	1–3 Credits
Total Credits	6–8 Credits	6–8 Credits	6–8 Credits	6–8 Credits

Grade 9 Scheduling

Incoming 9th grade students follow a structured schedule that includes specific required courses and a defined set of elective options. To ensure a strong academic foundation, course selections are limited to those designated for grade nine students. The courses available to 9th graders are listed below, including both required classes and approved electives. **The course descriptions for these courses can be found starting on page 21.**

Approved Grade 9 Courses

Health and Physical Education

016	9 Physical Education	.50 Credit
023	Health	.50 Credit

English

111	CP English 9	1 Credit
112	English 9	1 Credit
121	CP English 10	1 Credit

Social Studies

211	CP American History II	1 Credit
212	American History II	1 Credit

Math

314	Algebra IA	1 Credit
315	Algebra IB	1 Credit
321	Geometry (H)	1 Credit
332	Algebra II	1 Credit
334	Algebra II (H)	1 Credit

Science

411a	CP Concepts in Science A	1 Credit
411b	CP Concepts in Science B	1 Credit
412a	Concepts in Science A	1 Credit
412b	Concepts in Science B	1 Credit
421	Biology (H)	1 Credit

Humanities

168	Drama I	.50 Credit
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World Languages

511	French I	1 Credit
541	Spanish I	1 Credit

Business

612	Microsoft Office Applic.	.50 Credit
625	Personal Finance	.50 Credit
640	Accounting I	1 Credit
653	Principles of Business	.50 Credit
675	Consumer Career Explor.	.50 Credit

Art

702	Intro to Art	.50 Credit
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Music

720	Intro to Music	.50 Credit
721	Concert Choir	1 Credit
750	9 th Marching Band	.50 Credit
754	9 th Concert Band	.50 Credit
921	9 th Band Front	.30 Credit
925	9 th Band Front/Band	.50 Credit

Communications and Mass Media

930	Motion Design	.50 Credit
931	Photoshop and Illustrator	.50 Credit
940	Video Production Fund.	.50 Credit
943	Multicamera Video Prod.	.50 Credit
948	Communication Design	.50 Credit

Schuylkill Technology Center:

Students may apply to STC programs during the winter of their freshman year to attend in their 10th grade school year. Admission consideration requires consistent attendance, strong academic performance, and minimal to no disciplinary history.

Health And Physical Education

All students are required to complete **1 Health Course and 1 Physical Education Course** to meet graduation requirements.

011	Physical Education	.50 Credit	Standard
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Prerequisites: None

Physical Education is an elective course where students are expected to participate in the activities that are provided to them throughout the semester. The class will focus on lifelong fitness activities as well as team sports. However, the emphasis of the class will be the importance of staying physically fit throughout the course of one's life. In addition, many of the activities that will be provided during this course will force students to work together in teams or groups, to solve problem problems, to strategize, and communicate with one another in order to be successful. These are skills that will be beneficial to students throughout their high school careers and beyond

016	9th Physical Education	.50 Credit	Standard
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Prerequisites: Grade 9

Physical Education is an elective course where students are expected to participate in the activities that are provided to them throughout the semester. The class will focus on lifelong fitness activities as well as team sports. However, the emphasis of the class will be the importance of staying physically fit throughout the course of one's life. In addition, many of the activities that will be provided during this course will force students to work together in teams or groups, to solve problem problems, to strategize, and communicate with one another in order to be successful. These are skills that will be beneficial to students throughout their high school careers and beyond.

012	Walking for Fitness	.50 Credit	Standard
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Prerequisites: Grades 10-12

Walking for Fitness is a Physical Education class where the emphasis will be for students to focus on the importance of cardiovascular strength, stress management and overall mental fitness through walking. We will be able to use our school district facilities as well as areas within close proximity to the school to help achieve personal fitness goals through walking. Students will explore factors that influence specific walking programs such as terrain, temperatures, company, pace and distance. We will utilize various forms of assessment including mileage, total steps, personal journal entries, and personal program creation. ****This course will satisfy the Physical Education requirement and can be taken in place of Physical Education. Walking does take place if it is 40 degrees outside.***

023	Health	.50 Credit	Standard
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Prerequisites: Grade 9

The overall well-being of our students is a vital component of the educational process and among life's highest priorities. As such, Health is a graduation requirement for all Pottsville Area High School students. In this course, careful attention is given to providing a balanced and holistic approach in which the physical, emotional, and social dimensions of health are highlighted. This includes, but is not limited to, issues of social interaction and tolerance, alcohol education, disease prevention, and sex education. These and other features of health are accentuated with special emphasis being placed on making these themes relevant and so translating hypothetical knowledge about health into a healthy attitude and lifestyle. Health thus provides students with the opportunity to gain valuable knowledge, thereby enhancing their personal well-being. To supplement with our coursework, we have several outside educational entities that we work hand in hand with to provide exceptional learning experience for all our students. Throughout the semester we will have counselors from the Sexual Assault Resource and Counseling Center (SARCC) of Schuylkill County work in our health classes to provide educational resources on sexual harassment, hazing and other issues that our high school students face. We also utilize the Schuylkill County Mental Health, Developmental Services and Drug/Alcohol Program to deliver drug prevention programs and lessons for our students. Not only does this help to provide our students with great access to hands-on lessons provided by local agencies, but it also allows our students to gain a better grasp of available local resources that exist for them to use if needed.

038	Coaching Youth Sports	.50 Credit	Standard
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Prerequisites: Grades 11-12

This primary purpose of Coaching Youth Sports is to study the different components of coaching, including coaching philosophies, coaching objectives, management styles, practice planning, time management, and people management. This course will also focus on what the priorities of coaches should be at the youth level. In addition, students will examine the state of youth sports in society today and study how it can affect not only coaches, but also youth athletes. This course will give a "hands on" approach to planning and implementing practices and handling difficult coaching issues that will prepare high school students to handle youth sports properly.

040	Strength & Conditioning	.50 Credit	Standard
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Prerequisites:

- Grades 11-12
- Students must have already passed Physical Education or must receive approval from teacher.

Both male and female students interested in working on their own personal strength training program will find this course challenging and planned according to their needs. Concentration will be on traditional and non-traditional methods of strength training. Students will learn how to assess their own level of fitness and establish a fitness program. This course combines classroom lecture with fitness labs and physical activity, enabling students to recognize and learn ways of attaining increased strength, a better self-image, and improved levels of physical fitness. This course will satisfy the Physical Education requirement and can be taken in place of Physical Education.

English

All students are required to complete **4 credits of English** to meet graduation requirements. In addition, students will take the **Keystone Literature Exam** at the end of **English 10**.

111	CP English 9	1 Credit	Academic
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Prerequisites: None

By completing both group and individual projects, as well as evaluating a wide variety of literature and nonfiction, students in English 9 improve their communication, critical thinking, and literary analysis skills. Students build skills for future academic success through both formal and informal assignments that complement the research skills, literary analysis, and media literacy components of the course. Many learning activities incorporate technology. Students who fail English 9 will automatically be rescheduled for it, unless the course is taken during summer school. These students will take English 9 and English 10 concurrently

112	English 9	1 Credit	Academic
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Prerequisites: None

By completing both group and individual projects, as well as evaluating a wide variety of literature and nonfiction, students in English 9 improve their communication, critical thinking, and literary analysis skills. Students build skills for future academic success through both formal and informal assignments that complement the research skills, literary analysis, and media literacy components of the course. Many learning activities incorporate technology. Students who fail English 9 will automatically be rescheduled for it, unless the course is taken during summer school. These students will take English 9 and English 10 concurrently

121	CP English 10	1 Credit	Academic
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Prerequisites:

- Grade 10
- Accelerated 9th Grade Students

Students in English 10 will expand on the skills learned in English 9 and critically apply those concepts to wide variety of higher-level literature. Students will develop their communication, critical thinking, and literary analysis capabilities. Students use writing and research skills to delve into increasingly complex texts and present their evaluations in a variety of formats. At the end of this course, students should be prepared to take the Keystone Literature Exam. Many learning activities incorporate technology. Students who fail English 10 will automatically be rescheduled for it, unless the course is taken during summer school.

122	English 10	1 Credit	Academic
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Prerequisites: • Grade 10

Students in English 10 will expand on the skills learned in English 9 and critically apply those concepts to wide variety of higher-level literature. Students will develop their communication, critical thinking, and literary analysis capabilities. Students use writing and research skills to delve into increasingly complex texts and present their evaluations in a variety of formats. At the end of this course, students should be prepared to take the Keystone Literature Exam. Many learning activities incorporate technology. Students who fail English 10 will automatically be rescheduled for it, unless the course is taken during summer school.

133	Myth and Legends	.50 Credit	Academic
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Prerequisites: • Grades 11-12

This course explores mythology, and legends from around the world. Students will sharpen their reading skills as they familiarize themselves with narratives that illustrate the ties uniting one culture to another. Emphasis will be placed on Egyptian, Chinese, Greek, Norse, and British (Arthurian) myths.

DCPSU2	Speech PSU DC	.50 Credit	AP
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Prerequisites: • Grades 11-12

Speech, a semester course, is a practical introduction to verbal communication. The course works on a learn-by-doing basis and thus attempts to build poise and confidence through a series of speech experiences which require the use of various methods of gathering and organizing information legitimate and verifiable information. Students will be required to give 6-8 speeches (2 of which are MLA research-based) throughout the course. Emphasis is placed on improvement, and there are various opportunities for evaluation. Because our society places so much emphasis on oral communication and because most colleges and universities require speech courses, Speech is a valuable aid for the college bound.

148	American Literature	1 Credit	Academic
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Prerequisites: • Grades 11-12
 • Accelerated 10th Grade Students

This course traces the development of American literary culture from colonial times through the modern era by studying pieces representative of each major literary period. The literary types to be studied include poetry, short stories, speeches, drama, and novels. American Literature is designed for the student who is interested in enriching his or her knowledge of our American literary heritage, while at the same time improving his or her skills in independent reading and class discussion. The students' grades will be determined in a variety of ways, including objective tests and quizzes, essays, and individual and group projects

149	English Literature (H)	1 Credit	Honors
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- Prerequisites:*
- Grades 11-12
 - Accelerated 10th Grade Students with a minimum “B” average in previous English courses

This course, a survey of English literature from the first century to the 19th century, is strongly recommended for college-bound students. The subjects of this course are many: timeless heroes and villains such as Beowulf, King Arthur, and Grendel will leap off the page; magic, romance and whimsy from the likes of Chaucer and Swift will capture your imagination, and even inner demons will be given life by Shakespeare and Milton. Students will constantly pit literature against a historical and sociological background, drawing a living relationship between history and the arts, all while gaining a valuable understanding of British (and American) literary heritage. Because there is no substitute for an understanding of the foundation from which styles and ideas gradually develop, this course is invaluable for any student considering a college education.

155	AP Literature & Composition (H)	1 Credit	AP
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- Prerequisites:*
- Grade 12
 - Minimum “B” Average in previous English Courses

This course will provide students with the challenges and workload consistent with a typical undergraduate university English literature/Humanities course. An additional goal is to prepare students for the Advanced Placement test in literature and composition offered each spring by the College Board for possible college credit. Literature will be chosen from the 16th century through the Modern Era representing poetry, short stories, drama, and novels. Students will also explore literary criticism of each of the pieces studied. In addition to close reading, students are expected to write in several formats throughout the course. Timed writings, literary essays, and research papers will all contribute to the final grade; therefore, a strong background in literature and composition is recommended. All students electing this course must take the AP Exam in May.

159	Essay Writing and Research	.50 Credit	Academic
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- Prerequisites:*
- Completion of English 9

This course will provide instruction and practice with writing skills – specifically for essays and research projects. Students will learn how to properly structure their writing, review grammar skills, and practice with library research and citations. The course will be useful to both students looking to attend college, as well as students who need assistance with improving their writing in other high school English courses.

160	AP Language and Composition (H)	1 Credit	AP
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- Prerequisites:*
- Grades 11-12
 - Minimum "B" average in previous English courses – NOT accelerated 10th graders

AP Language and Composition is an aggressive year-long course for students interested in further developing their writing skills and their awareness of rhetoric and style. Outstanding models written on scientific, historical, political, and autobiographical topics will be studied. Based on these models, assignments will require students to sharpen their writing skills and enhance their awareness of language through the creation of personal, informative, and persuasive essays. Juniors or seniors with a particular interest in improving their writing or getting a preview of college level requirements will find this a valid choice as well. Accelerated sophomores should consider one of the honors analytical literature courses. All students electing this course must take the AP Exam in May.

161	Detective Fiction	.50 Credit	Academic
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- Prerequisites:*
- Grades 11-12

This course will involve a study of detective fiction. Interpretation will be achieved through selected readings and various media. Additional exploration will include a tracing of different detective types in literature and recognition of the elements that make for good detective storytelling. It is hoped that students will develop a desire for further reading.

162	Modern Literature and Short Stories	.50 Credit	Academic
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- Prerequisites:*
- Grades 11-12

This course offers an opportunity for improved reading comprehension as well as interesting discussion. Students will analyze modern literary techniques and multi-ethnic and cultural viewpoints as they are exemplified by dominant writers from the 20th and 21st Centuries. Interpretation will be achieved through selected short stories and novels. The students' grades will be determined in a variety of ways, including objective tests and quizzes, essays, and individual and group projects.

137	Dramatic Literature (H)	.50 Credit	Honors
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- Prerequisites:*
- Grades 11 & 12
 - Accelerated sophomores may take this with permission from English 10 teacher.
 - Recommended to take concurrently with or after English Literature

A historical survey of dramatic literature from its dawning in Ancient Greece through the Medieval and Renaissance periods, continuing through the centuries to the

modern play. Analysis of the narrative essentials in play structures, character development, symbolism, and thematic presentation will be emphasized, in addition to identifying and analyzing historical, philosophical, and cultural differences as they relate to works of drama. Assessment is based on formal essays (students must know how to construct MLA research papers), summative unit tests, and theatrical project design. Students will be expected to participate daily in class readings, discussions, and presentations.

DCPSU1	College Writing PSU DC	.50 Credit	AP
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Prerequisites: • Grades 11-12

This is a three credit freshmen level university course focused on intensive reading and writing that will prepare you both to understand the communications that surround you and to succeed in your own communication efforts in the academic setting. In this course, we focus specifically on analyzing verbal and visual texts (our reading) as well as on producing such texts (our writing), always in terms of rhetorical principles. Students will learn rhetorical analysis, academic research, and critical reading of academic texts. Students will produce a minimum of five textual documents including research essays, critical analysis essays, and academic presentations.

Social Studies

Students must complete **4 credits of Social Studies** to meet graduation requirements.

During their **senior year**, all students are required to take **.50 credit of Economics** and **.50 credit of American Government**.

211	CP American History II	1 Credit	Academic
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Prerequisites: None

American History II covers American History from the writing of the Constitution through 1900. This course emphasizes the growth of democracy in America. The roles and contributions of the individuals who shaped our democracy will be emphasized. This course examines the many aspects of social, cultural, political, and economic development and change in the United States during the 18th and 19th centuries. Students who fail American History II will automatically be rescheduled for it, unless the course is taken during summer school. These students will take American History II and World History concurrently.

212	American History II	1 Credit	Academic
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Prerequisites: None

American History II covers American History from the writing of the Constitution through 1900. This course emphasizes the growth of democracy in America. The roles and contributions of the individuals who shaped our democracy will be emphasized. This course examines the many aspects of social, cultural, political, and economic development and change in the United States during the 18th and 19th centuries. Students who fail American History II will automatically be rescheduled for it, unless the course is taken during summer school. These students will take American History II and World History concurrently.

221	CP World History	1 Credit	Academic
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Prerequisites: • Grade 10

World History covers the period in world history from the Renaissance to the present. This course emphasizes events which have had a significant effect on the social, cultural, political and economic development of the United States. The course examines the individuals and groups who made major political and cultural contributions to world history, as well as how conflict and change have impacted the world since 1450. There is also a separate unit on world religions. Students who fail World History will automatically be rescheduled for it, unless the course is taken during summer school. These students will take World History and American History III concurrently.

222	World History	1 Credit	Academic
<i>Prerequisites:</i> <ul style="list-style-type: none"> • Grade 10 			
<p>World History covers the period in world history from the Renaissance to the present. This course emphasizes events which have had a significant effect on the social, cultural, political and economic development of the United States. The course examines the individuals and groups who made major political and cultural contributions to world history, as well as how conflict and change have impacted the world since 1450. There is also a separate unit on world religions. Students who fail World History will automatically be rescheduled for it, unless the course is taken during summer school. These students will take World History and American History III concurrently.</p>			
230	American History III (H)	1 Credit	Honors
<i>Prerequisites:</i> <ul style="list-style-type: none"> • Grade 11 • Minimum “B” Average in World History 			
<p>Designed for the serious history student, the course covers American History of the Twentieth Century. It takes an in-depth look at the events of 1900 to the present. The Progressive movement, World War I, “Roaring Twenties”, Depression & New Deal, World War II, Cold War including Korea and Vietnam, and the struggle for political, economic and military influence in today’s world. Requirements for this Honors level course will include Term Paper, Projects and Essay Tests. Please Note: This course requires a substantial group project including a public presentation outside of the normal day. Students who fail American History III (H) will automatically be rescheduled for American History III, unless it is taken during summer school. All students must complete a summer assignment. Those who fail to complete one will be rescheduled for American History 3 (231).</p>			
231	American History III	1 Credit	Academic
<i>Prerequisites:</i> <ul style="list-style-type: none"> • Grade 11 			
<p>The last of the American History series, this course explores twentieth century America from the turn of the century to present times. Topics of discussion include the Progressive Era, World War I, “Roaring Twenties”, Great Depression, World War II, Cold War (including Korea and Vietnam), and the struggle for political, social, economic and military influence in today’s world. Students who fail American History III will automatically be rescheduled for it, unless the course is taken during summer school. These students will take American History III and American Government & Economics concurrently.</p>			
234	Introduction to Criminal Justice	.50 Credit	Academic
<i>Prerequisites:</i> <ul style="list-style-type: none"> • Grade 11-12 			

An elective offered to juniors and seniors, this course explores many aspects of the criminal justice system, including the chain of events and the legal procedures involved in handling a case from the time an act is committed to the courtroom trial and beyond. The primary focus of the course is a detailed examination of the process of criminal justice, including the people involved and the roles they fill. The course examines the need for law in our society along with the variety of motivations which bring people in conflict with the law. Special emphasis is given to the sentencing structure with a detailed analysis of our prison system and the death penalty.

235 **American Government** **.50 Credit** **Academic**

Prerequisites: • Grade 12

This course treats in-depth the subject of government and politics on the federal, state, and local level. In regards to political parties, students will analyze questions such as “Do we need them?” and “Who should get involved?” Political involvement by the individual will be stressed. The student will be urged to participate actively in political campaigns and political decision-making. This is a valuable preparation for the 18- year-old voter.

236 **Concepts of American Government** **.50 Credit** **Academic**

Prerequisites: • Grade 12

This course examines the subject of government and politics on the federal, state and local level. Students will study the role of government in people’s lives and including the powers of the government and the lawmaking process. They will study political parties and their differences and why political involvement is necessary in a democracy.

241 **Economics** **.50 Credit** **Academic**

Prerequisites: • Grade 12

This course deals with a thorough study of American capitalism and the free enterprise system in the areas of consumption, production, exchange, business organization, investment and the stock market, money and credit, banking and the Federal Reserve System, inflation-deflation, and the business cycle. Projects in investment in the stock market are a part of the course.

242 **Concepts of Economics** **.50 Credit** **Academic**

Prerequisites: • Grade 12

World History covers the period in world history from the Renaissance to the present. This course emphasizes events which have had a significant effect on the social, cultural, political and economic development of the United States. The course examines the individuals and groups who made major political and cultural contributions to world history, as well as how conflict and change have impacted the world since 1450. There is also a separate unit on world religions. Students who fail World History will automatically be rescheduled for it, unless the course is taken during

summer school. These students will take World History and American History III concurrently.

244	Introduction to Sociology	.50 Credit	Academic
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Prerequisites: • Grades 11-12

This course provides an overview of various sociological topics. It begins with a brief history of social science and examines research techniques used to study groups and societies. Much emphasis is placed on social interaction and discussing problems faced by individuals in society. In addition, societal norms and values are reviewed and compared to other cultures outside of the United States. ***Introduction to Sociology may count as a Social Studies or Humanities course.***

251	AP United States History	1 Credit	AP
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Prerequisites:

- Grades 11-12
- Minimum 85% average in American History II, World History and English from the previous year
- Approval from previous Social Studies teacher and English teacher.

This is a year-long college level course in United States History covering events ranging from the discovery of America to present time. AP US History also focuses on the development of Historical Thinking Skills. The goal of the course is to prepare students for college level work and to successfully complete the Advanced Placement examination in May. Due to the demanding nature of the test, certain requirements must be met by the students. Students must be prepared to spend a minimum of seven hours per week reading, conducting research, and completing the many writing assignments required in this class. Only those students with the strongest background in Social Studies and American History should consider this course. Students must possess advanced writing and public speaking skills as well as historical knowledge in order to satisfy the course's many obligations. All students electing this course must take the AP Exam in May.

252	AP World History: Modern	1 Credit	AP
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Prerequisites:

- Grade 10-12
- **Accelerated 10th graders-** Teachers Approval Required
- **11th Graders-** MUST take this course concurrently with AP US History or American History III (H).
- Students should be proficient in writing; minimum 85% average in World History 221, American History III (H) or AP US History
- Recommendation from previous year's Social Studies teacher and English teacher.

Advanced Placement, college level course includes topics ranging from Post Classical Europe through the present, and incorporates themes from a variety of geographic regions taking a non-Eurocentric approach to the study of World History. Students will use primary sources, selected readings and documents in order to provide them with the extensive background knowledge needed to successfully complete the AP exam given at the end of the year. This class requires considerable outside reading and research in addition to classroom work. Many universities reward high scores with an exemption from introductory classes in World History, with credits granted for completion of the Advanced Placement Course. All students must complete a summer assignment. Those who fail to complete one will be removed from the class. All students electing this course must take the AP Exam in May.

253	AP Government and Politics	1 Credit	AP
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grade 12 • Minimum 85% average in American History III (H) or AP US History. • Permission from previous Social Studies teacher 		

This course provides an analytical perspective on government and politics in the United States, and involves the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with various institutions, groups, beliefs, and ideas that constitute U.S. political reality. All students electing this course must take the AP Exam in May.

254	Psychology	.50 Credit	Academic
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grade 12 		

This course is designed to provide students with an overview of the field of psychology and a better understanding of human behavior. Topics covered in this course will include but are not limited to the historical foundations of psychology, theories on human behavior, career options in the field of psychology, and mental processes such as learning, intelligence, sensation/perception, memory, and consciousness. The final unit will focus on behavioral disorders and treatments. This is designed as an introductory course and will provide students with a strong fundamental knowledge of psychology.

664	YES- Your Employability Skills	1 Credit	Standard
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grade 12 • Review of 9th through 11th grade attendance - To successfully complete the course and receive the YES certificate absences may not exceed 15 days per school year. 		

The YES class is designed for students interested in earning the YES certificate. This certificate is earned not only by fulfilling the requirements of the established YES

curriculum but also meeting specific employment requirements as designated by the Northeast PA Manufacturers and Employers Council. These requirements include: successful completion of various standardized tests, 95% attendance (i.e., no more than 9 days absent per school year), a mandatory drug test and numerous assessments that take place both in and outside of the classroom. Students that meet all YES requirements (e.g., 95% attendance, successful completion of standardized tests) may be eligible to attend plant tours and professional presentations at the discretion of both the YES teacher and school administrators. Students must submit the drug test permission slip and pay the \$20 fee by August 1st . ***YES counts as a humanities or social studies credit.***

Mathematics

Students are required to complete **3 credits of Mathematics** to meet graduation requirements. However, *college-bound students are strongly encouraged to complete 4 credits of math, with at least one course taken each year*, to ensure adequate preparation for postsecondary studies. Students will take the **Keystone Algebra exam** at the end of **Algebra 1B**.

Calculator Requirements:

Scientific Calculator	Graphing Calculator
<ul style="list-style-type: none"> Keystone Algebra I (335) Algebra 1A (314) Algebra 1B (315) Algebra II (332/334) Introduction to Statistics (348) Geometry (321/322) 	<ul style="list-style-type: none"> Trigonometry (340) Pre-Calculus (341) AP Statistics (347) Calculus (353) AP Calculus (354) <p><i>* TI-89 calculators are recommended in AP Calculus.</i></p>

**While TI-83 calculators will be available for student use during class, students are advised to purchase their own graphing calculators for personal use.*

314	Algebra 1A	1 Credit	Academic
<i>Prerequisites:</i>		Pre-Algebra	

Algebra 1A is the first of two year-long courses in the Algebra I sequence, focusing primarily on mathematical problem solving using linear functions. Algebra 1A is a year-long course that focuses primarily on linear functions. Investigations will include an emphasis on the algebraic manipulation of linear expressions, equations, and inequalities; on systems of linear equations and linear patterns; and representing linear equations, including graphing and modeling with linear functions. Algebra 1A will include a review of operations with rational and real numbers and focus on linear relationships based on data. Problem solving skills play a major role in the course, and students will learn how to apply data collected from real world situations. Completion of Algebra 1A will prepare students for Algebra 1B as well as the Pennsylvania Keystone Algebra I Test.

315	Algebra IB	1 Credit	Academic
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Prerequisites:

- **9th Graders-**
 - Minimum “B” average in 8th grade Algebra. If final average in Algebra IA is below a “B,” then Algebra IA should be scheduled in high school.
- **10th-12th Graders**
 - Successful completion of Algebra IA.

Algebra IB is a year-long course that covers the Algebra I skills that were not discussed in Algebra IA. Investigations will include performing basic operations and factoring polynomials, representing linear equations in standard and point-slope forms, calculating and interpreting data, finding probability of compound events, solving compound and linear inequalities, simplifying and working with square roots, and finding the Greatest Common Factor and Least Common Multiple for sets of monomials. Problem solving skills play a major role in the course, and students will learn how to apply data collected from real world situations. Algebra IB will include a review of skills learned in Algebra IA. Successful completion of Algebra IB will prepare students for the Pennsylvania Keystone Algebra I Exam. **Students who do not achieve proficiency on the Algebra I Keystone Exam will take Keystone Algebra I for additional remediation.*

321	Geometry (H)	1 Credit	Honors
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Prerequisites:

- **9th Graders**
 - Minimum “A” average in 8th grade Algebra
 - Advanced on the Keystone Algebra Exam
 - Recommendation of previous math teacher.
 - *This class should only be taken as a freshman if coupled with the Honors Algebra II. This doubling of math courses in 9th grade would put you on track to take Calculus as a junior.*
- **10th-12th Graders**
 - Minimum “B” average in Algebra IB and Algebra II (H) and recommendation of previous math teacher.
 - If doubling with Honors Algebra II at least Proficient on the Keystone Algebra with an A in Algebra 1B
 - **OR** Advanced on the Keystone Algebra Exam with at least a B in Algebra 1B with recommendation of previous math teacher is required.
 - *This doubling would allow a sophomore to take Calculus as a senior.*

Honors Geometry is a full-year course in mathematics which involves the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Major topics of plane and solid Euclidean geometry will be presented. Students will study inductive, deductive, and indirect reasoning, properties of parallel and perpendicular lines, basic characteristics and properties of polygons and circles, surface area and volume of 3-D objects, and basic concepts of trigonometry. Honors Geometry develops an in-depth approach to mathematical proof, and in general provides a basis for the student to develop clear and organized patterns of thought in everyday life. Students will be expected to use algebraic skills to solve geometric problems. Material will often be covered in greater depth and at a faster pace than non-honors geometry. This class cannot be taken after the student has taken non-honors geometry, and is designed especially for those students who have an interest in mathematics and a desire to pursue advanced study in mathematics or science at the high school or college level.

322	Geometry	1 Credit	Academic
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Prerequisites:

- Successful completion of Algebra IB and Algebra II.

Geometry is a full-year course in mathematics which involves the properties, measurement, and relationships of points, lines, angles, surfaces, and solids. Major topics of plane and solid Euclidean geometry will be presented. Students will study inductive, deductive, and indirect reasoning, properties of parallel and perpendicular lines, basic characteristics and properties of polygons and circles, surface area and volume of 3-D objects, and basic concepts of trigonometry. Students will be expected to use algebraic skills to solve geometric problems.

332	Algebra II	1 Credit	Academic
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Prerequisites:

- **9th Graders-** Successful completion of 8th grade Algebra.
- **10th-12th Graders-** Successful completion of Algebra I.

Algebra II is a continuation of Algebra I. Students will study the graphing and solving of linear equations and equations of higher degree, as well as absolute value functions and inequalities, using graphics calculators.

334	Algebra II (H)	1 Credit	Honors
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Prerequisites:

- **9th Graders-** At least Proficient on the Keystone Algebra Exam with at least a B average in 8th grade Algebra
- **10th-12th Graders-** At least Proficient on the Keystone Algebra Exam with an A in Algebra IB or Advanced on the Keystone Algebra Exam with at least a B in Algebra IB.

Honors Algebra II is also a continuation of Algebra I. Students will study the graphing and solving of linear equations and equations of higher degree, as well as absolute value functions and inequalities, and radical and rational functions. Real world applications involving data analysis, logarithms, and matrices will be included.

Students will use graphing calculators. Material will often be covered in greater depth and at a faster pace than non-honors Algebra II.

335	Keystone Algebra I	.50 Credit	Standard
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<i>Prerequisites:</i>	This semester course is for students who have not scored Proficient or Advanced on the Keystone Algebra 1 Exam.		
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Algebra 1 concepts will be reinforced and test taking skills will be reviewed.

340	Trigonometry (H)	.50 Credit	Honors
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<i>Prerequisites:</i>	<ul style="list-style-type: none">• "A" or "B" recommended in Algebra II and Geometry (H); at least a "C" required.• If non-honors Geometry has been taken, then an "A" or "B" is required.• Students need to have scored proficient or higher on the Keystone Algebra I exam to enroll in this course.• <i>This course should be taken if physics is also elected.</i>		
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Trigonometry is a semester course which provides a comprehensive analysis of the trigonometric and circular functions. The development, graphing, and practical application of the trigonometric functions are studied, along with identities, trigonometric equations, and inverses trigonometric functions. Use of the graphics calculator is emphasized as well as exact trigonometric functions of special angles. This course provides a basis for further studies and is required for college study in certain areas. Honors Trigonometry is usually taken in conjunction with Pre-Calculus.

341	Pre-Calculus (H)	.50 Credit	Honors
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<i>Prerequisites:</i>	<ul style="list-style-type: none">• "A" or "B" recommended in Algebra II and Geometry (H); at least a "C" required.• If non-honors Geometry has been taken, then an "A" or "B" is required.• Students need to have scored proficient or higher on the Keystone Algebra I exam to enroll in this course.		
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Pre-Calculus is designed to prepare students for the mathematics which will be encountered in college, especially Calculus. The course emphasizes an in-depth study of functions including the special types such as absolute value, exponential, logarithmic, polynomial, etc. Techniques of graphing are included to help the students analyze and visualize functions. Conic sections, inequalities, limits, and derivatives are also studied. Pre-Calculus is usually taken in conjunction with Honors Trigonometry.

344	Fundamentals of Mathematics, Introduction to Trigonometry	1 Credit	Academic
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- Prerequisites:*
- Successful completion of Algebra I, Algebra II, and Geometry
 - This course **should not** be scheduled if physics is also scheduled.

Trigonometry/Fundamentals is a course intended to continue the high school mathematics education of a student who intends to go on to higher education in fields which are not related to science or mathematics. The course includes preparation for the Scholastic Assessment Test (SAT Reasoning Test) and covers areas of fundamentals of mathematics and trigonometry. The topics covered in the SAT Reasoning Test preparation include types of test questions, math strategies, basic skill review, and taking practice tests. Areas covered in fundamentals of mathematics include critical thinking, sets, probability, and statistics. The topics covered in trigonometry include functions, graphs, polar coordinates, complex numbers, and fundamental relations.

347	AP Statistics	1 Credit	AP
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- Prerequisites:*
- Grade of “A” or “B” necessary in each of Algebra I, Algebra II, Geometry, Trigonometry & Pre-Calculus.
 - If the student has not yet had Trigonometry or Pre-Calculus, then they must schedule both classes in addition to AP Statistics.
 - Only juniors or seniors can schedule AP Courses; permission from previous Math teacher and/or school counselor.
 - **STUDENTS NEED TO HAVE SCORED PROFICIENT OR HIGHER ON THE KEYSTONE ALGEBRA I EXAM TO ENROLL IN THIS COURSE.**

The purpose of this AP Course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: 1) exploring data by using graphical and numerical techniques; 2) sampling and experimentation; 3) anticipating patterns by studying probability distributions; and 4) statistical inference (estimating population parameters and testing hypotheses). This is a rigorous course that involves work outside of the classroom. The students will be prepared to take the Advanced Placement Statistics exam given by the Educational Testing Service to receive college credit in Statistics. All students electing to take any AP course must take the AP Exam in May.

348	Introduction to Statistics	.50 Credit	Academic
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Prerequisites: • Successful completion of Algebra II.

Introduction to Statistics is a semester course in mathematics designed to familiarize students with basic statistical concepts, both descriptive and inferential. Topics covered will include: 1) exploring and understanding data, 2) exploring relationships between variables, 3) gathering data, 4) randomness and probability, and 5) confidence intervals, hypotheses testing, and inferences. This is a useful course for students considering careers in nursing or the social sciences, as well as the sciences.

351	Advanced Algebra (H)	.50 Credit	Honors
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Prerequisites:

- Grades 10-12
- Minimum "B" average in Algebra I and Algebra II, or preferably Algebra II (H).
- STUDENTS NEED TO HAVE SCORED PROFICIENT OR HIGHER ON THE KEYSTONE ALGEBRA I EXAM TO ENROLL IN THIS COURSE.

Advanced Algebra is a semester course in mathematics which is designed to provide students who have completed both Algebra I and Algebra II with the opportunity to develop a more in-depth understanding of algebraic concepts and to investigate more advanced topics which are not included in prior courses. This is a rigorous, difficult course and is not intended to be a repeat of Algebra II. During a short systematic review, the basic concepts are extended in their application and material which had been merely introduced previously is now developed to a greater degree. New topics which are presented include sequences, series, and mathematical induction. This course is strongly recommended for those students who will have need of a solid algebraic background in future college courses.

353	Calculus (H)	1 Credit	Honors
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Prerequisites: • Grade of at least a "C" in Algebra I, Algebra II, Geometry, Trigonometry, and Pre-Calculus.

This course provides the student with an in-depth study of the basic concepts of Calculus encountered in college. It includes the theory, techniques, and applications of differentiation and integration using polynomial, rational, logarithmic, exponential, and trigonometric functions. Use of the graphics calculator is required. Students who are interested in math and who desire to enter the math or science field will find this course or AP Calculus challenging and very helpful in their further studies. Special notations: students may not schedule AP Calculus after completing this course.

354	AP Calculus	1 Credit	AP
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- Prerequisites:*
- Grade of at least a “B” in Algebra I, Algebra II, Geometry, Trigonometry, and Pre-Calculus
 - Permission from previous Math teacher and/or school counselor.

This course provides the student with an in-depth study of the basic concepts of Calculus encountered in college. The course focuses on the theory, techniques, and applications of differentiation and integration using polynomial, rational, logarithmic, exponential, and trigonometric functions. Extensive use of the TI89 graphics calculator is required. Students who desire to enter the math or science field will find this course or Calculus very helpful for their future studies. All AP Calculus students are required to meet with the AP teacher an additional period per week. All students electing this course must take the AP Exam in May. TO REMAIN ENROLLED IN AN AP COURSE, PAYMENT FOR EACH EXAM IS DUE ON OR BEFORE THE FIRST DAY OF SCHOOL. COURSE DROPPED DUE TO LACK OF PAYMENT WILL NOT BE REPLACED.

356	College Math Concepts	.50 Credit	Academic
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- Prerequisites:*
- Successful completion of Algebra I and Algebra II
 - Strongly recommended for 11th graders.

The course will concentrate on mathematical concepts to help prepare students for the mathematics segment of the SAT. Students will learn to use knowledge of algebra, problem solving, statistics, and geometry. In addition, students will learn to analyze and reason mathematically, make connections between math and other subjects and communicate mathematical concepts effectively. Test-taking strategies and practice tests will help students to gain confidence in preparation for the Keystone Exam and the SAT.

366	Computer Programming I (H)	.50 Credit	Honors
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- Prerequisites:* Successful completion of Algebra II

The course will concentrate on mathematical concepts to help prepare students for the mathematics segment of the SAT. Students will learn to use knowledge of algebra, problem solving, statistics, and geometry. In addition, students will learn to analyze and reason mathematically, make connections between math and other subjects and communicate mathematical concepts effectively. Test-taking strategies and practice tests will help students to gain confidence in preparation for the Keystone Exam and the SAT.

367	AP Computer Science (H)	1 Credit	AP
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Prerequisites: At least a “B” average in both Computer Programming I and II.

Advanced Placement Computer Science provides students with an in-depth study of computer programming using the JAVA language.

Students taking this course will prepare to take the Advanced Placement Examination (“A” Level) given by the Educational Testing Service in May. This course is an in-depth study of the concepts and techniques needed for designing scientific and mathematical programs. Assignments will require using a computer beyond the regularly scheduled class period. All students electing this course must take the AP Exam in May.

368	Computer Programming II (H)	.50 Credit	Honors
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Prerequisites: Successful completion of Computer Programming I.

Computer Programming II is a continuation of Computer Programming I. This course will take a more in-depth look at the techniques and concepts of developing programs using the JAVA language. Assignments will require using a computer beyond the regularly scheduled class period.

THE ROBERT COMLOQUOY MATHEMATICS AWARD

This award was established by the Comloquoy Charitable Foundation for the senior having the highest standing in Math. The following Honors/Advanced Placement classes only will be considered in the computation of this award:

• Geometry (H)	1 Credit	• Algebra II (H)	1 Credit
• Computer Programming 1	.50 Credit	• Computer Programming II	.50 Credit
• Trigonometry	.50 Credit	• Pre-Calculus	.50 Credit
• Advanced Algebra	.50 Credit	• Calculus	Credit
• AP Calculus	1 Credit	• AP Computer Science	1 Credit
• AP Statistics	1 Credit		1 Credit

All Math courses must be taken and completed at Pottsville Area High School. Any ties will result in dividing the award to all qualified recipients. Any Honors/AP courses which are added to the Mathematics curriculum in the future may also be considered in the computation of this award.

Science

Students are required to complete **3 credits of Science** to meet graduation requirements.

Students will take the **Keystone Biology Exam** at the end of **Biology**.

411A	CP Concepts in Science A	.50 Credit	Academic
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Prerequisites:

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. Students enrolled in Biology H (Advanced/Honors Science Pathway) as freshmen do not need to take this course.

411B	CP Concepts in Science B	.50 Credit	Academic
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Prerequisites:

This course will explore the fundamental principles of life science, with a primary focus on ecology. Students will explore environmental literacy & sustainability, technology, engineering practices, ecology, and environmental science, helping them understand the interconnectedness of life on Earth and laying the groundwork for further scientific study. Concepts in Science 2 will be taken by students in the Core Science Pathway and Advanced/Honors Science Pathway.

412A	Concepts in Science A	.50 Credit	Academic
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Prerequisites:

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. 412A will be taken by students in the Core Science Pathway.

412B	Concepts in Science B	.50 Credit	Academic
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Prerequisites:

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay

the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. 412A will be taken by students in the Core Science Pathway.

421	Biology (H)	1 Credit	Honors
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Prerequisites:

- Grade 10 and accelerated 9th graders
- Successful completion of Concepts in Science (411) or teacher recommendation.

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. Students enrolled in Biology H (Advanced/Honors Science Pathway) as freshmen do not need to take this course.

422	Biology	1 Credit	Academic
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Prerequisites:

- Grade 10

Biology will meet five times a week. This course is designed for students desiring preparation for college without the lab experience. All material will be covered that is needed for a student to continue a vigorous science curriculum. Students will be required to complete the Pennsylvania Keystone Biology Exam at the end of this course. This course CANNOT BE USED as a prerequisite for Genetics (H), Chemistry (H), or Human Physiology.

423	Biology	1 Credit	Academic
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Prerequisites:

Biology will meet five times a week. This course is designed to give students a basic understanding in current biological knowledge and what it means to be alive. This course has no scheduled lab periods. Students will be required to complete the Pennsylvania Keystone Biology Exam at the end of this course. This course is not recommended for college bound students and this course CANNOT BE USED as a prerequisite for Genetics (H), Chemistry (H), Chemistry 432, or Human Physiology.

424	Genetics (H)	1 Credit	Honors
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Prerequisites:

- Grades 11, 12, and accelerated sophomores
- Minimum “B” average in Biology 421 or teacher recommendation.

This course utilizes concepts learned in Biology and builds on them to investigate the role of DNA in our lives. Studies will begin with a brief review of Mendelian Genetics, DNA structure, replication, and gene expression. Exploration of more modern genetic topics will follow, such as bioinformatics, polymerase chain reaction, genetic basis for disease, epigenetics, human genetics, and genetic technologies. Students are required to complete a summer assignment.

426	AP Biology	1 Credit	AP
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grades 11 & 12; in addition to teacher recommendation. • successful completion of Biology (421) and Chemistry (431) strongly recommended. 		

Taught at the college level, this course is recommended for students pursuing a science field. It affords advanced students an opportunity to earn, in addition to high school credit, college credit and/or appropriate placement at the college level if they attain a specific score on a national standardized examination, and if they attend one of many colleges or universities which recognize students' participation in the College Board's Advanced Placement Program. Students electing this high rigor course should be well practiced at note-taking, studying, and should be self-motivated. The course will have two lab periods per week to investigate course topics including biochemistry and cells, heredity and evolution, and organisms and populations. All students electing this course must take the AP Exam in May. Students are required to complete a summer assignment.

429	Fresh Water Biology	.50 Credit	Academic
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grades 11, 12 and accelerated sophomores • successful completion of Biology with a “C” average or better. 		

This course is the study of organisms found in the freshwater ecosystems and the interaction of these organisms with their environment. Students will learn how biotic and abiotic factors influence freshwater ecosystems. Emphasis will be placed on local ecosystems and environmental issues. There will also be a research component of this course in which students are required to complete several projects and a research paper.

431	Chemistry (H)	1 Credit	Honors
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grades 10-12 • Minimum “B” average in Biology (421) and Algebra 1 . • Students need to have scored proficient or higher on the keystone biology exam to enroll in this course. 		

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. 412A will be taken by students in the Core Science Pathway.

432	Chemistry	1 Credit	Academic
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Grades 10, 11, 12 • Minimum “B” average in Biology (422) and Algebra I; minimum “C” average in Biology (421) 		

This course will focus on the fundamental principles of chemistry and physics. Students will explore the nature of matter, chemical reactions, forces, motion, energy, technology, engineering practices, and the basic principles of physical science that lay the groundwork for further scientific study. Core Science Pathway students are required to take both Concepts in Science 1 and 2. Students who are enrolled in these courses as freshmen will follow the Core Science Pathway. Please refer to the Required Sequence of Science Courses at the end of this packet. 412A will be taken by students in the Core Science Pathway.

432S	Chemistry	.50 Credit	Academic
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • STC Health Careers Students ONLY; minimum “C” average in Biology-STC, and Geometry or Algebra IB. 		

Chemistry is the study of matter and energy. Course topics include Measurement & Dimensional Analysis, Atomic Theory & structure, the periodic table and periodic properties, the mole, chemical reactions and solutions. Emphasis is placed on higher level analytical thinking skills, algebraic applications, and inquiry learning skills. The course meets five periods per week. This course is for one semester only and is only offered semester 1.

435	Advanced Chemistry (H)	1 Credit	Honors
<i>Prerequisites:</i>	<ul style="list-style-type: none"> • Prerequisites: grades 10, 11, 12 minimum “A” average in Biology (421) and Algebra I. • STUDENTS NEED TO HAVE SCORED PROFICIENT OR HIGHER ON THE KEYSTONE BIOLOGY EXAM TO ENROLL IN THIS COURSE. 		

This course is designed to prepare students for the chemistry encountered in AP Chemistry and college courses. Emphasis is placed on an in-depth study of the topics included in a first-year college Chemistry course which include many mathematical and problem-solving strategies as well as good laboratory technique and higher-level analytical thinking. This rigorous course is highly recommended for autonomous, self-motivated students who are planning a career in medicine, engineering, mathematics, computer science, or pharmacy. Chemistry 431 and 432 are NOT prerequisites for this course. This course meets 6 times per week.

436	AP Chemistry	1 Credit	AP
<i>Prerequisites:</i>	<ul style="list-style-type: none"> grades 11, 12 minimum “A” average in Chemistry (431) or “B” average in Chemistry (435) in addition to teacher recommendation. NEED TO HAVE SCORED PROFICIENT OR HIGHER ON THE KEYSTONE BIOLOGY EXAM TO ENROLL IN THIS COURSE. 		

The Advanced Placement Chemistry course serves to prepare students for the mandatory Advanced Placement Chemistry test administered in May. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students electing this course must be autonomous, self-motivated students who are skilled in notetaking and studying. This course is recommended for those students who plan a career in medicine, engineering, or pharmacy. This course meets 6 times per week. All students electing this course must take the AP Exam in May. Students are required to complete a summer assignment. AP Chemistry will be offered every other year.

439	Physics	1 Credit	Honors
<i>Prerequisites:</i>	<ul style="list-style-type: none"> grades 11 & 12; minimum “B” average in Algebra II (H) and Geometry, in addition to teacher recommendation. Students should have also completed or be taking Trigonometry (340) concurrently with Physics (H). 		

Physics is the study of matter and energy and their transformations. The topics covered are measurements in experiments, kinematics, dynamics, work, energy, momentum, rotational motion, waves, and electric circuits. The classes consist of lectures, demonstrations, problem sessions, labs, and computer based experiments. The course meets for seven periods per week which provides for two double period lab sessions weekly. This course is designed for the college-bound student.

442	Physical Science	1 Credit	Academic
<i>Prerequisites:</i>	<ul style="list-style-type: none"> Grades 11-12 		

Physics is the study of matter and energy and their transformations. The topics covered are measurements in experiments, kinematics, dynamics, work, energy, momentum, rotational motion, waves, and electric circuits. The classes consist of lectures, demonstrations, problem sessions, labs, and computer based experiments. The course meets for seven periods per week which provides for two double period lab sessions weekly. This course is designed for the college-bound student.

451	Astronomy	.50 Credit	Academic
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • grades 10, 11 & 12; successful completion of Concepts in Science or Biology. 		

This course is designed to provide an overview of Astronomical topics. An emphasis will be on current events and our night sky. The course will include day and nighttime sky viewing, telescope use, astrophotography, identification of constellations, major stars, and Messier objects in the Pottsville sky. The topics addressed are: the size and scale of our solar system, galaxy, and universe; our Sun and Moon; the constellations in our sky; both ancient and modern astronomers; how stars burn fuel; the methods scientists use to study distant stars; the birth, life, and death of stars; the planets within our own solar system; space exploration missions and the search for extraterrestrial life. Monthly evening viewing in the observatory is strongly encouraged.

452	Astronomy II	.50 Credit	Academic
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grade 12; successful completion of Astronomy 451 with a minimum “B” average; 		

This course is designed to teach you to locate and identify objects in the local sky using telescopes. Students will also learn the basic skills of astrophotography and how to produce quality images of the night sky. Topics will include types of telescopes, telescope use, astrophotography equipment, set-up, and photo editing. Students will be required to attend evening sessions throughout the semester. A final photographic portfolio is required. This course will be limited to 25 students during the fall semester and 25 students in the spring semester.

453	Human Physiology (H)	1 Credit	Honors
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grades 11 & 12; • Successful completion of Biology 421 or 422. S 		

Students should have also completed or be taking Chemistry 431 or 432 concurrently with Human Physiology. Human Physiology is the study of the structure and function of cells, tissues, organs, and systems of the human body. This class is rigorously designed for highly motivated academic and college preparatory students interested in pursuing a career in the medical or biological sciences. Tissue, organ and animal dissections and observations are REQUIRED. Students enrolled in this course will be required to complete additional course requirements. **The discrepancy in quality

points between courses 452 and 453 for the class of 2021 and 2022 is due to a transition in course value

454	Weather	.50 Credit	Academic
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Prerequisites: • Grades 11-12

This course will include discussion of the basic weather elements and how they change our weather patterns. There will also be use of instruments to teach students how they function and their application to weather predictions. Students will also learn how to read weather maps and interpret them. This course will deal with meteorology on a practical rather than on a theoretical or mathematical basis.

455	Environmental Science	.50 Credit	Academic
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Prerequisites: • Grades 11 &12;
 • successful completion of Concepts in Science and Biology.

The interrelationships of organisms and their environments will be studied with emphasis on man's influence, past, present, and future, on his environment. The associated problems of environmental deterioration will be analyzed with respect to possible solutions so that the quality of living both in our immediate environment and on our planet may be improved. Individual and/or team projects and reports are required in this course.

460	AP Physics (H)	1 Credit	AP
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Prerequisites: • Accelerated grades 11 and 12,
 • successful completion and received all A's in Honors Chemistry, Algebra 2, Trigonometry, and have scored Advanced on Biology Keystones and teacher recommendation.

This is a lab based course that requires 2 or more students. If 2 or more students do not schedule this class, the course will not run. AP Physics 1 will meet 6 periods per week. AP Physics 1 follows the curriculum set forth by the College Board and is equivalent to a first semester algebra based college physics course. Students taking this class will require a very strong math background, and teacher recommendation. Topics include: Kinematics, Newton's Laws, Torque, Rotational Motion, Angular Momentum, Newton's Law of Universal Gravitation, Work, Energy, Power, Linear Momentum, Oscillations, Mechanical Waves, Sound, and Electric Circuits. All students electing this course must take the AP Exam in May.. COURSE DROPPED DUE TO LACK OF PAYMENT WILL NOT BE REPLACED. This course has an extensive summer assignment that will be due the first day of school. This course will have a cumulative final exam prior to the AP Physics 1 Exam.

051	Emergency Medical Technician (EMT)	1 Credit	Honors
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- Prerequisites:*
- Grades 10 – 12;
 - Students must be 16 years of age prior to April 1st and have a 3.0 or higher GPA.

The EMT course is open to students who have a strong desire to achieve National and State EMT Certification. This rigorous course prepares students to become a PA Certified Emergency Medical Technician (EMT). EMT certification is a prerequisite to anyone interested in continuing their education to become a Paramedic. This course will set the student apart from other applicants pursuing any healthcare career, but particularly in the arena of medicine, and will be invaluable in their preparation to enter the medical field. It will enable the student to obtain a full time, part time or volunteer job as an EMT. One of the objectives of this course is to provide the students with opportunities to explore allied health programs offered by other educational institutions. Additionally, the student will be provided with the necessary skills to handle emergency situations occurring at school or in their personal life as well as to perform a community service. This program requires the student to have good time management skills and the ability to complete work on their own. Students will be required to attend evening or weekend classes as part of the course.

Cost: \$130 for supplies and materials. Students who are enrolled in the EMT course may have the opportunity to:

- Respond to actual emergency calls with a local EMS agency both during the school day and outside of school.
- Acquire skills that can have a positive outcome on the patients they serve.

052	Fire Science 1	.50 Credit	Academic
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- Prerequisites:*
- Grades 10-12
 - Must be 16 by the start of the course

This course is an overview of fire protection and emergency services including: career opportunities, culture, history, loss analysis, organization and function of public and private fire protection services, laws and regulations, nomenclature, basic fire chemistry and physics, introduction to fire protection systems, introduction to strategy and tactics, and life safety initiatives.

053	Fire Science 2	.50 Credit	Academic
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- Prerequisites:*
- Grades 10-12
 - Completion of 052 Fire Science 1
 - Must be 16 by the start of the course

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout emergency services.

Prerequisites:

- Grade 12

Students will investigate and solve complex, real-world problems in a systematic process that recognizes the importance of facts across multiple domains. Key features include the importance of evaluating sources, proper documentation of facts, and collaboration with peers to construct solutions to ill-structured problems that traverse multiple disciplines and facets of society. The universal theme of the course is to build trust through the shared appreciation and pursuit of facts.

Business

612	Microsoft Office Applications	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This one - semester course is designed to introduce students to word processing, spreadsheet, and presentation applications using Microsoft Office. Following an initial review, students will develop skills in Microsoft Word, Excel, and PowerPoint. Students will use critical thinking skills to complete a wide variety of tasks that integrate the applications.

625	Personal Finance	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This one-semester course is **mandatory** for graduation. Students will learn finance principles involving personal money management in computing earnings, calculating federal and state income taxes; using savings, checking, and other banking services; buying at discounts; using charge accounts; purchasing on an installment plan; and using comparison shopping methods. Additionally, this course will also provide students with a background in finance principles involving sales, home and car ownership, property and car insurance, life, health, and disability insurance, and investments.

640	Accounting I	1 Credit	Academic
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Prerequisites: • Grades 9-12
 • “C” Average in Algebra IB

In Accounting I, students will learn the fundamentals of recording and interpreting basic financial business records based upon accepted accounting principles. The complete accounting cycle is learned, and students will use current forms for recording business transactions and preparing financial statements.

641	Accounting II	1 Credit	Academic
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Prerequisites: • Grades 10 to 12
 • Successful completion of Accounting I with minimum “C” average.

The second year of accounting is specifically designed for the career-minded students. The students further explore accounting in reports, records, and procedures established in the first year course. This course will prepare a student for college if business is the student's goal. The course offers sufficient training to prepare a student for entry-level employment in accounting procedures upon graduation from high school. Some of the areas of principle emphasis include a comprehensive review of the first year accounting principles, payroll, uncollectible accounts, plant assets, accrued and deferred items, introductory corporate accounting, and departmental accounting.

646	Business Law	.50 Credit	Academic
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Prerequisites: • Grades 11-12

This one- semester course is available as an elective for junior and senior students who wish to become familiar with the law as it affects consumers. The students will become familiar with business ethics, constitutional rights, the court system, forms of business organizations and contracts. In addition, this course will allow students to become familiar with the law as it affects consumers. Students will expand their knowledge in the areas of contracts, consumer protection, unions, discrimination, and basic corporate law.

653	Principles of Business	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This one - semester course will provide comprehensive introductory instruction in business concepts and skills students need in today's competitive environment. Extensive coverage in major business concepts such as finance, marketing, operations, and management will be covered. Students will gain valuable information and skills for the workplace, as well as preparation for success in competitive events. This is a foundation course for the following career pathways: business, management and administration, finance or marketing, sales, and service.

660	Accounting Principles and Applications (H)	1 Credit	Honors
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Prerequisites: • Grade 12

This course is a recommended elective for students planning to enter a college business program including Accounting, Finance, Economics, Marketing, etc. The course is designed to provide an understanding of fundamental principles underlying basic accounting theory and establish a basis for subsequent accounting courses. Topics covered include the following: accounting cycle, accounting systems, internal controls, journals, receivables and payables, accruals and deferrals, inventory, fixed assets and depreciation, and financial statement preparation and analysis. A college textbook is used.

662	Sports and Entertainment Marketing	.50 Credit	Academic
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Prerequisites: • Grade 12

This one - semester course is designed to teach the basics of marketing and apply them directly to the sports and entertainment fields. This course will include advertising, sales, event marketing, and communications. Major areas that will be covered are professional sports, theme parks, the entertainment industry, concert and arena productions, and theme restaurants. Students will also obtain an understanding of the career options available within the fields of sports and entertainment.

675	Consumer Career Exploration	.50 Credit	Academic
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Prerequisites: • Grades 9-10

This one - semester course is designed to provide students with information on the 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 self-assessments to analyze their interests and skills and will use the computer/online research to explore careers and college programs to select a career path. They will also get the chance to learn how to be a successful entrepreneur, fill out a job application, and prepare a resume and cover letter. Finally, the course ends with instruction on calculating gross pay, taxes, and net pay. This highlights the important connection between career planning and financial planning.

Communications and Mass Media

930	Motion Design	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This course explores the design and creation of keyframe animation using industry standard computer programs. Students will create visual compositions that change over time, with an emphasis on using video, graphics and typography. Topics include motion animation basics, copyright laws, green screen, motion tracking, background replacement, 3D motion, etc. Projects will use After Effects to create motion graphics and Photoshop to create GIFs. Experience with Adobe Photoshop, Illustrator and Premiere Pro or similar programs is recommended. A majority of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

940	Video Production Fundamentals	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This course explores the basics of video production through basic video production theory and single camera competencies in preparation for participation in the high school publications program. Topics include multimedia law, safety, physics of light and sound, single camera video and audio production, basic script-writing, lighting, and video editing in Premiere Pro. Throughout the semester students will create a public service announcement, commercial, news package, etc. High-quality projects may be featured in TIDETV's programming. After school and weekend time is required. Some of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

943	Multicamera Video Production	.50 Credit	Academic
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Prerequisites:

- Successful completion of 940 Fundamentals of Video Production or Instructor Approval.

Students will produce events in and around Pottsville Area High School through a series of programs on TideTV including a live daily news show, magazine shows, talk shows and performances. Events will be recorded in the studio and in the field. Throughout the semester students will cycle through various roles in the production process. Topics include multi-camera video production, onsite safety, legal considerations, producing, directing, editing, and working within a team environment. Before school, night, and weekend time outside of class is required.

931	Photoshop & Illustrator	.50 Credit	Academic
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Prerequisites:

- Grades 9-12

This course explores the design and creation of digital images using Adobe Illustrator and Photoshop. Topics include blending images, color grading and correction, creating basic shapes, using Bezier curves, and compositing scenes. Most of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

940	Video Production Fundamentals	.50 Credit	Academic
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Prerequisites:

- Grades 9-12

Students must have previous computer experience AND recommendation from his/her school counselor. Interested Seniors and Juniors get preferred. This course explores the basics of video production through basic video production theory and single camera competencies in preparation for participation in the high school publications program. Topics include multimedia law, safety, physics of light and sound, single camera video and audio production, basic script-writing, lighting, and video editing in Premiere Pro. Throughout the semester students will create a public service announcement, commercial, news package, etc. High-quality projects may be featured in TIDETV's programming. After school and weekend time is required. Some of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

944	Commercial Drone Pilot	.50 Credit	Academic
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Prerequisites:

- Grades 11to 12
- 3.0 or higher GPA.

The primary focus of this class is to cover all of the topics that are on the FAA’s Part 107 Exam for sUAS pilots. This license is required for drone users who intend on using their drone in commercial settings. Topics include FAA regulations, weather, radio communications, sectional charts, the national airspace system, and more. While students will learn basic sUAS flight maneuvers, the main goal is mastery of the Part 107 knowledge. Successful students will earn the FAA TRUST and be prepared for the FAA Remote Pilot Exam.

945	Advanced Drone Pilot	.50 Credit	Academic
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Prerequisites: • Completion of 944

Prerequisites: 9XX Commercial Remote Pilot and/or Part 107 Pilot License and instructor approval. This course is designed to increase the piloting skills of sUAS pilots. While 944 focused on knowledge, this class centers on flying skills. Topics include both arial photography and videography, conducting surveys, inspections, NIST remote pilot tests, maintenance and flight logs, emergency applications and autonomous flight.

948	Communication Design	.50 Credit	Academic
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Prerequisites: • Grades 9-12

This course explores the world of print design utilizing Adobe InDesign. Students will learn the basic techniques of design and will produce projects demonstrating these skills, including business cards, advertisements, and brochures. Topics include visual design principles, typography, and color theory. High-quality projects may be featured in district publications. Some of the course content will be accessed through video tutorials, freeing up critical classroom time to devote to hands-on instruction.

Tide Lines

949	Tide Lines 1- Grade 10-12	1 Credit	Academic
959Y	Tide Line 1 (H)-Grade 10-12	1 Credit	Honors
950	Tide Lines 2- Grade 11-12	1 Credit	Academic
959	Tide Lines 2 (H)- Grade 11-12	1 Credit	Honors
955	Tide Lines 3- Grade 12	1 Credit	Academic

Prerequisites: • Instructor Approval

Students in this course work as a team to produce the daily TideTV News show, the Tide Lines website and social media. This fast-paced, challenging course requires students to be self-motivated and product-driven. This course requires the implementation of the following skills: writing, scripting, interviewing, video shooting and editing. Students will use various Adobe products to produce content, so completion of other 900 level courses is suggested. After school and weekend time will be required. The option to

schedule the course for one semester is available upon obtaining adviser's permission and approval.

Publications			
951Y	Publications 1- Grade 10-12	1 Credit	Academic
952Y	Publications 2- Grade 11-12	1 Credit	Academic
958	Publications 2 (H)- Grade 11-12	1 Credit	Honors
953Y	Publications 3- Grade 12	1 Credit	Academic

Prerequisites: • Instructor Approval

Students in this course work as a team to publish the Hi-S-Potts Yearbook and Tide Lines website. This fast-paced, challenging course requires students to be self-motivated and product-driven. This course requires the implementation of the following skills: writing; photography and photojournalism skills; multimedia skills including video shooting and editing; layout, design and concept development for all publications; proof reading; desktop publishing utilizing In Design, Adobe Illustrator, Adobe Photoshop and Adobe Premiere. After school and weekend time may be required. The option to schedule the course for one semester is available upon obtaining adviser's permission and approval.

Humanities

168	Drama I	.50 Credit	Academic
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- Prerequisites:*
- Grades 9-12.
 - Must have a 'C' average GPA.
 - All students ARE REQUIRED to perform once before an outside audience (winter revue). This course counts towards a Humanity – not an English credit.

This fall semester elective course is designed for those who desire to learn about and become involved in the theatre. This class begins with lessons on improvisation, pantomime and mime, voice and movement, memorization, and acting. Students will also study short plays and excerpts of dramatic literature. This is a highly interactive course in which the students will be evaluated on written work, journals, objective tests, project design, individual and group performances. Participation is 100 points per quarter. Students will regularly present in front of their classmates, and the FINAL EXAM is that THEY ARE REQUIRED TO PERFORM IN A PLAY BEFORE AN OUTSIDE AUDIENCE. Some after school rehearsal time will also be required. (Note: This course may be taken only once.)

168	Drama II	.50 Credit	Academic
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- Prerequisites:*
- Grades 10-12
 - Successful completion of Drama I, AND cast in Spring Musical.

This Spring semester elective course counts as a Humanity credit. Drama II is designed primarily to act as a production team for the Spring Musical: students will work on costuming, sets, lighting schemes, and publicity, among other production aspects. Students will also rehearse for the musical while studying dramaturgy, styles and history of theater, and play analysis. Upon completion of the musical, students will work collectively to produce a play of their choosing to be performed at both competition and in front of local audience. Major grades are: Independent reading project; 100 points per quarter, Participation: 100 points per quarter. Performances 100 points per quarter, Journals: 50-70 points per quarter. (Note: This course may be repeated with permission from instructor.)

World Language

511	French I	1 Credit	Academic
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Prerequisites: • Grades 9-10

This course is an introduction to the French language and culture in which the student learns to understand and speak French within carefully controlled limits. Basic reading and writing skills are introduced along with intensive listening and speaking and practice. The range of vocabulary includes words associated with the classroom, home, family, and other familiar situations. Recordings of native speakers are regularly used to strengthen listening skills. Cultural elements are explained as encountered in the text and specific units of culture are studied in greater depth, enabling the student to relate the language to the people.

512	French II	1 Credit	Academic
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Prerequisites: • Grades 10-12
 • Successful completion of French I
 • Teacher recommendation.

This course begins with a thorough review of material learned in the first year and continues to develop skills in understanding, speaking, reading, and writing. The reading is more extensive and there is greater emphasis on comprehension and conversation aimed at self-expression. The fundamentals of French grammar are completed, vocabulary expanded, and correct pronunciation stressed. An understanding of the French way of life is increased by supplementary culture units.

513	French III (H)	1 Credit	Honors
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Prerequisites: • Grades 11-12
 • Successful completion of French II
 • Teacher recommendation.

This course is a continuation, with an attempt to master with greater facility, the skills learned in French I and II. All previously learned grammar is systematically reviewed and refined. More advanced grammatical structures are studied. A rich and varied vocabulary is built up. Oral and written resumes are required. An attempt is made to instill in the students the desire to read in French for pleasure and help him realize that his own personal interests can be expanded and enriched in a language other than his own.

514	French IV (H)	1 Credit	Honors
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Prerequisites: • Grade 12
 • Successful completion of French III
 • Teacher recommendation.

The four basic skills of language learning are maintained throughout this course with emphasis on reading, conversation, and cultural awareness. Difficult areas of grammar

are reviewed and refined. French literature is introduced and culture study is more in depth. Enrollment figures and scheduling difficulties may cause a combination of third and fourth year students to be scheduled during the same class period. In that case, fourth year students would be expected to work independently with the guidance and assistance of the teacher. Additional time may be required outside of the class period.

523	German III (H)	1 Credit	Honors
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Prerequisites:

- Grades 11 & 12
- Successful completion of German II AND teacher recommendation.

German III is an intermediate level course, intended to increase the student's ability to comprehend and express himself in the language. Appropriate conversational materials, tapes and videos are used for this purpose. Previously learned grammatical structures are reviewed at the beginning of the course. More advanced structures are encountered throughout the course.

524	German IV (H)	1 Credit	Honors
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Prerequisites:

- Grades 12
- Successful completion of German III
- AND teacher recommendation

German IV is the culmination of the process begun in German I. The previously learned grammar is reviewed at the beginning of the year and all remaining grammatical topics are covered during the course. The student achieves a degree of fluency through the use of appropriate conversational materials and strategies. Enrollment figures and scheduling difficulties may cause a combination of third and fourth year students scheduled during the same class period. In that case, fourth year students would be expected to work independently with the guidance and assistance of the teacher. Additional time may be required outside of the class period.

541	Spanish I	1 Credit	Academic
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Prerequisites:

- Grades 9-10

Spanish I is an introduction to the language with emphasis on listening, comprehension, speaking, reading, writing and culture. Students learn grammatical and speech patterns through written and oral drills. The course content includes the teaching of the fundamentals of grammar, abstract concepts and function of the language as to build a strong, basic language foundation.

542	Spanish II	1 Credit	Academic
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Prerequisites:

- Grades 10 to 12
- Successful completion of Spanish I - C average
- Teacher recommendation.

543	Spanish III (H)	1 Credit	Honors
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Prerequisites:

- Grades 11 & 12
- Successful completion of Spanish II – B average
- Teacher recommendation.

The Spanish III course elected by students who have a desire or need for additional knowledge of the language presents a comprehensive review of grammatical concepts previously presented and continues with a refinement of additional grammatical structures. Stress is laid on culture of the Spanish speaking countries using reading and visual materials. Reading ability, comprehension, both oral and aural, and acquisition of vocabulary are integral parts of the course.

544	Spanish IV (H)	1 Credit	Honors
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Prerequisites:

- Grade 12 and
- Successful completion of Spanish III – B Average
- Teacher recommendation.

The objectives for Spanish IV are a continuance of those described in the Spanish III course in greater depth. Stress is placed on conversation, reading comprehension and cultural awareness. Enrollment figures and scheduling difficulties may cause a combination of third and fourth year students to be scheduled during the same class period. In that case, fourth year students would be expected to work independently with the guidance and assistance of the teacher. Additional time may be required outside of the class period.

Art

700	AP 2D Art & Design	1 Credit	AP
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- Prerequisites:*
- Grades 11 & 12
 - Minimum “B” average in Introduction to Art, Painting I and Advanced Drawing. Painting II must be taken before or concurrently with 2D AP and teacher recommendation.

A ‘C’ Average must be maintained throughout this course. AP Art + Design allows highly motivated art students to pursue college credit while still in high school. Students will independently investigate an area of concentration in their artwork that is informed by research, exploration, and practice. Developing & executing originality of voice, artistic intent, craftsmanship, critical thinking, experimentation, and creative problem-solving skills are all important aspects of what is accomplished in this course; ultimately the quality of each work should reflect mastery of technique at a college level. Planning, experimenting, revision and completed works are all part of the digital portfolio submitted to college board in May. In addition to working towards college credit this course will also allow you to build a portfolio for college submission. Students who have any questions should see Mrs. Greenawalt. All students electing this course must take the AP Exam in May.

700H	Portfolio Prep (H)	1 Credit	Honors
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- Prerequisites:*
- Grade 11-12
 - Minimum “B” average in Intro to art, Painting I, and Ceramics I.
 - This class is for students who may not meet the AP prerequisites, but are considering going to school for art and building a portfolio for college.

This course will offer working in 2D and 3D mediums including Drawing, Painting, and Ceramics. For each work students will independently investigate an area of concentration in their artwork. Each artwork will include practice and experimenting of materials. Throughout this course you will develop originality of voice, artistic intent, craftsmanship, critical thinking, experimentation, and creative problem-solving skills. Artworks created in this course will be professionally photographed to be used in a portfolio for college submission. Students who have any questions should see Mrs. Greenawalt.

701	AP 3D Art & Design	1 Credit	AP
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- Prerequisites:*
- Grades 11 & 12
 - minimum “B” average in Introduction to Art, Ceramics I, and Ceramics II. Ceramics III must be taken before or concurrently with 3D AP and teacher recommendation.

A ‘C’ Average must be maintained throughout this course. 3D AP Art allows highly motivated art students to pursue college credit while still in high school. Students will independently investigate an area of concentration in their artwork that is informed by research, exploration,

and practice. Developing & executing originality of voice, artistic intent, craftsmanship, critical thinking, experimentation, and creative problem-solving skills are all important aspects of what is accomplished in this course; ultimately the quality of each work should reflect mastery of technique at a college level. Planning, experimenting, revision and completed works are all part of the digital portfolio submitted to college board in May. In addition to working towards college credit this course will also allow you to build a portfolio for college submission. Students who have any questions should see Mrs. Greenawalt All students electing this course must take the AP Exam in May. COURSE DROPPED DUE TO LACK OF PAYMENT WILL NOT BE REPLACED.

702	Introduction to Art	.50 Credit	Academic
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- Prerequisites:*
- Grades 11 & 12
 - Minimum “B” average in Introduction to Art, Painting I and Advanced Drawing. Painting II must be taken before or concurrently with 2D AP and teacher recommendation.

Introduction to Art is a foundation art course that must be taken before any of the other art courses. This comprehensive art course will cover a wide range of art concepts including the elements and principles of art, drawing techniques, and color theory. This course places special emphasis on helping students of all ability levels to improve upon their drawing skills. Students will participate in a wide variety of drawing exercises in order to practice different approaches and techniques for drawing. Students will use these skills along with creative problem-solving strategies to create original works of art using various art media. In addition to projects, each student will be required to keep a visual journal or sketch book. This course is designed for students of all skill levels and can be taken by anyone regardless of his or her art ability.

705	Advanced Drawing	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art.

Introduction to Art is a foundation art course that must be taken before any of the other art courses. This comprehensive art course will cover a wide range of art concepts including the elements and principles of art, drawing techniques, and color theory. This course places special emphasis on helping students of all ability levels to improve upon their drawing skills. Students will participate in a wide variety of drawing exercises in order to practice different approaches and techniques for drawing. Students will use these skills along with creative problem-solving strategies to create original works of art using various art media. In addition to projects, each student will be required to keep a visual journal or sketch book. This course is designed for students of all skill levels and can be taken by anyone regardless of his or her art ability.

706	Painting I	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art.

In this course students learn the fundamentals of painting. Students will experience basic painting techniques and materials through a variety of painting assignments. The basics of color mixing and color theory will be explored as students create painting projects with various painting media including watercolor and acrylic. Painting projects will involve subject matter ranging from landscapes to still life, with emphasis on multiple styles and techniques. Each student will be required to keep a visual journal, detailing his or her independent exploration of the creative process.

710	Painting II	.50 Credit	Academic
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- Prerequisites:*
- Grades 11 & 12
 - Minimum "C" average in Introduction to Art & Painting I

With basic painting techniques and color theory knowledge previously acquired through the Painting I course, students in this course will now work with various painting media to further develop painting skills and techniques. Assignments made will be flexible to allow individual creative expression but structured in such a way that the students' technical skill will continue to develop as each painting is completed. Artists from specific historical periods and styles will also be studied and researched as inspiration for assignments. Each student will be required to keep a visual journal, detailing his or her independent exploration of the creative process.

712	Painting III (H)	.50 Credit	Honors
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- Prerequisites:*
- Grades 11 -12
 - Minimum "C" average in Introduction to Art, Painting I, and Painting II.

Building on the painting techniques, color theory experience, and art history knowledge previously acquired through the Painting I and Painting II courses, students in Painting III will now work with various painting media to develop a more individual approach and style in painting. Assignments made will be flexible to allow individual creative expression but structured in such a way that the students' technical skill will continue to develop as each painting is completed. Painters from historical periods and styles will also be studied and researched as inspiration for assignments. Each student will be required to keep a visual journal, detailing his or her independent exploration of the creative process.

713	Ceramics I	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art.

This course includes basic hand building techniques using clay. Various ceramic terms and vocab will be learned throughout the class. Both functional and sculptural forms will be explored, as well as decorating methods, glazing and firing procedures.

714	Ceramics II	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art and Ceramics I

Ceramics techniques learned in the first course will be utilized to complete an independent and student focused artwork or series of artworks. This independent project is a self-designed and self-directed course of study that will explore a particular method or idea. Students will also be asked to do a research paper on the topic they choose. New techniques and projects will accompany the independent study project.

716	Ceramics III (H)	.50 Credit	Honors
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- Prerequisites:*
- Grades 11 – 12
 - Minimum 'C' average in Intro to Art, Ceramics I and Ceramics II.

This course will focus on a concentration of self-directed ceramics projects, along with other guided projects. This concentration will be the student's choice and will be a self-directed exploration in ceramics. The concentration will have to be approved by the teacher before the projects begin. This concentration can focus on, but is not limited to glazing, surface texture and design, wheel throwing, a series of related sculptures or work, etc. A visual journal is required to keep sketches and research. A proposal assignment will be required for the concentration.

715	3D Fiber & Metal Arts	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art.

This is a hands-on course dealing with art projects created from a variety of materials. Additionally, students will explore three-dimensional forms and create functional and non-functional artworks. All art works created in this class will be hand-crafted and the original design of the student. Examples of the areas covered in this course may include sculpture, weaving, jewelry making, glass fusing, and a variety of other projects.

717	Visual Design	.50 Credit	Academic
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- Prerequisites:*
- Grades 10 to 12
 - Minimum "C" average in Introduction to Art.

This course introduces students to the design elements and principles that are essential to the creation of all art forms, including animation, art history, ceramics, drawing, graphic design, illustration, painting, photography, printmaking, video and sculpture. Students will apply their understanding of design principles by creating a variety of unique projects using a wide range of materials. As they create each project, students will explore strategies for effective visual communication and creative problem solving. Familiarity with the terminology, concepts and basic materials utilized in the studio by visual artists will be explored. Each student will be required to keep a visual journal, detailing their independent exploration of the creative process.

The Robert Comloquoy Art Award

This award was established by the Comloquoy Charitable Foundation for the senior having the highest standing in Art. All Art courses must be taken and completed at Pottsville Area High School. Any ties will result in dividing the award to all qualified recipients. Any Honors/AP courses which are added to the Art curriculum in the future may also be considered in the computation of this award.

Music

720	Introduction to Music	.50 Credit	Standard
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grades 9-12 		
<p>The student will be introduced to basic fundamentals of music, including production of musical sound and interpretation of music. This course focuses on music history from 20th & 21st Century.</p>			
725	Music Appreciation	1 Credit	Honors
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grades 10-12 		
<p>Music Appreciation is designed to expand the knowledge and understanding of musical elements, materials, form, and performance by extending one's listening experiences. Emphasis is placed on listening to music of all varieties to increase one's potential for a lifetime of listening pleasure. There will be an emphasis on all periods and styles of performance, contemporary and popular music.</p>			
731	Music Theory	.50 Credit	Academic
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grades 10 to 12 • Completion of Intro to Music or Music Appreciation with a 70 or higher • OR at least 1 semester of Marching Band, Concert Band, or Concert Choir completed with a 70 or higher. 		
<p>Music Theory is an introduction to the elements of music, notation, scales, meter, rhythm, intervals and basic chord structure. The course includes the development of a basic understanding of part writing, form, analysis and contemporary harmonic idioms. A programmed course in dictation is also included.</p>			
732	Music Technology	.50 Credit	Academic
<i>Prerequisites:</i>			
	<ul style="list-style-type: none"> • Grades 10-12 • Completion of Intro to Music or Music Appreciation with a 70% or higher • OR at least 1 semester of Marching Band, Concert Band, or Concert Choir completed with a 70 or higher. 		
<p>This course is designed for students interested in music, exploring the world of music technology, and exploring possible career paths in the music industry. The music technology class will equip students with a working knowledge of the industry tools for composition and notation, sound recording/engineering, web presence development and the history of commercial music in the United States. The class will develop students' understanding of basic computer systems and tools that the music industry uses as well as provide hands-on learning for basic recording and mixing techniques. The Music Technology class will equip the student with a working knowledge of the art of</p>			

music through the use of software and hardware designed to assist in the creation, amplification and alteration of music. Students will continue to explore music's relationship with other disciplines and its impact on culture, and development of ability to perform, record, present, and discuss original compositions.

760	Piano I	.50 Credit	Academic
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Prerequisites: Gr 10-12 and completion of Intro to Music, Music Appreciation, or at least 1 semester of Marching Band, Concert Band, or Concert Choir with a 70 or higher.

This course will introduce students to note reading, rhythm, sight reading and scales as basic piano skills and techniques are being introduced. Lesson progress and mastery are required to meet course requirements. No previous experience is required.

CONCERT CHOIR

721	Concert Choir	1 Credit	Standard
724	STC Choir	.50 Credit	Standard

Prerequisites: • Grades 9-12

The Concert Choir is an auditioned choral group of 9th – 12th grades. The primary purpose is to give the participants an opportunity to learn and perform a variety of good choral music. Only students who enjoy singing should elect this course. Chorale and other smaller ensembles are selected from this group. Special notations: The Concert Choir members are required to participate in public performances in December and May.

MARCHING BAND

750	9th Marching Band	.50 Credit	Academic
751	10th Marching Band	.50 Credit	Academic
752	11th Marching Band	.50 Credit	Academic
753	12th Marching Band	.50 Credit	Academic

Prerequisites: • Grades 9-12

The Marching Band begins rehearsal in the first week of August and continues through late November. The Band performs at all home and away PAHS football games, local parades, a Band show, and various community functions. Membership in the Marching Band is by consultation and audition with the Director. Students scheduled for Marching Band must also schedule Concert Band.

CONCERT BAND

721	9th Concert Band	.50 Credit	Academic
755	10th Concert Band	.50 Credit	Academic
756	11th Concert Band	.50 Credit	Academic
757	12th Concert Band	.50 Credit	Academic

Prerequisites:

- Grades 9-12
- Consultation and audition with the Director is required.

The Concert Band rehearses ninth period after football season and presents public performances at Christmas time and the annual Spring Concert. The Concert Band rehearses and performs fine concert band literature. Students must participate in Marching Band or Band Front in order to participate in Concert Band.

BAND FRONT

921	9th Band Front	.30 Credit	Standard
922	10th Band Front	.30 Credit	Standard
923	11th Band Front	.30 Credit	Standard
924	12th Band Front	.30 Credit	Standard

Prerequisites:

- Grades 9-12
- Consultation and audition with the Director is required.

The Band Front consists of the Flag Squad, Majorettes, and the Color Guard. Membership is gained through winter tryouts in eighth, ninth, tenth, and eleventh grades. The Band Front practices every day in the ninth period during football season as part of the PAHS Marching Band.

BAND FRONT/CONCERT BAND

925	9th Band Front/Concert Band	.50 Credit	Academic
926	10th Band Front/Concert Band	.50 Credit	Academic
927	11th Band Front/Concert Band	.50 Credit	Academic
928	12th Band Front/Concert Band	.50 Credit	Academic

Prerequisites:

- Grades 9-12
- Consultation and audition with the Director is required.

If a student chooses to participate in Band Front and Concert Band, he or she will receive quality points classified for concert band only – not for band front. Students must receive prior approval from the band director.

Work Study

Work Study is a privilege for eligible juniors and seniors that allows early dismissal from school for verified employment.

To qualify, students must:

- Score Proficient or Advanced on all Keystone Exams, per PDE guidelines
- Have a verified part-time job
- Submit written parent/guardian permission

Important details:

- Work Study carries no academic credit or quality points
- It is scheduled after all required courses are placed
- Report cards are reviewed each grading period
- Failing any subject results in loss of Work Study for the next grading period
- The privilege may be revoked if academic progress or behavior does not meet school standards
- No study halls can be scheduled when scheduled for Work Study
-

By granting permission, the **student, parent/guardian, and employer** accept responsibility for early dismissal. **All required forms must be completed and returned to the Main Office by Day 2 of school.**

970	Work Study – P8; Semester 1	0 Credit
<i>Prerequisites:</i>	Grade 12 Only	
This is for SENIORS only. Seniors will leave Period 8, Semester 1.		
971	Work Study – P8; Semester 2	0 Credit
<i>Prerequisites:</i>	Grade 12 Only	
This is for SENIORS only. Seniors will leave Period 8, Semester 2.		
972	Work Study – P9; Semester 1	0 Credit
<i>Prerequisites:</i>	Grades 11 and 12	
This is for juniors and seniors only. Students will leave Period 9, Semester 1.		
973	Work Study – P9; Semester 2	0 Credit
<i>Prerequisites:</i>	Grades 11 and 12	
This is for juniors and seniors only. Students will leave Period 9, Semester 2.		

Because daily bell schedules vary, there is no set dismissal time for Work Study. Students must attend all scheduled classes, and no classes will be dropped to accommodate Work Study. Students scheduled for Work Study must leave campus at the start of their assigned Work Study period and may not return to school for any reason until the end of the school day.

Suggested Course Sequences

English Course Sequence

Please note that all students will take the **Keystone Literature Exam** at the end of English 10.

English				
Grade	Accelerated	College Prep	Academic	CTC
9 th	121 CP English 10	111 CP English 9	112 English 9 OR 112i English 9	111 English 9 OR 112 English 9
10 th	149 English Lit (H) OR 148 American Lit	121 CP English 10	122 English 10	182 English 10 (STC)
11 th	160 AP Language & Comp AND English Electives	149 English Lit (H) OR 148 American Lit	148 American Lit OR 148i American Lit	142 American Literature (STC)
12 th	155 AP Literature & Comp AND English Electives	Two .50 Credit Electives	Two .50 Credit Electives	Two .50 Credit Electives
English Electives 133 Myth and Legends 161 Detective Fiction 137 Dramatic Literature (H) 162 Modern Literature and Short Stories 159 Essay Writing and Research				

Social Studies Course Sequence

Social Studies

Grade	Accelerated	College Prep	Academic	CTC
9 th	211 CP American History II	211 CP American History II	212 American History II	211 American History II OR 212 American History II
10 th	221 CP World History OR 252 AP World History (H)	221 CP World History	222 World History	World Studies (Taken at STC)
11 th	230 American History III (H) OR 251 AP U.S HISTORY OR 251 & 252 (Taken Together)	230 American History III (H)	231 American History III	American Studies (Taken at STC)
12 th	<u>Option 1</u> 253 AP Government and Politics AND 241 Economics <u>Option 2</u> 241 Economics AND 235 American Government	235 American Government AND 241 Economics	236 Concepts of American Government AND 242 Concepts of Economics	Civics/Economics (Taken at STC)
Social Studies Electives 244 Introduction to Sociology 234 Introduction to Criminal Justice 254 Psychology 664 YES <i>*All students must complete American Government (235 or 236) AND Economics (241 or 242) in 12th grade</i>				

Mathematics Course Sequence

Please note that all students will take the **Keystone Algebra Exam** at the end of Algebra IB.

**POTTSVILLE AREA HIGH SCHOOL
MATH SEQUENCE**

Accelerated Track:

7 th	8 th	9 th	10 th	11 th	12 th
Pre-Algebra	Algebra IB	Algebra II (H) Algebra II	Geometry (H) Geometry	Trig (H) Pre-Calculus (H) Advanced Alg (H) College Math Conc. Computer Prog I & II (H)	AP Calc (H) Calculus (H) Fund of Math/Trig AP Stats (H) Advanced Alg (H) Intro to Stats College Math Conc. Computer Prog I & II (H) AP Computer Science
<p><i>*Students in 9th and 10th grade can double up Algebra II (H) and Geometry (H) if they would like to reach Calculus by 12th grade. Recommendation to double up comes from 8th grade math teacher, 9th grade math teacher, and Keystone Scores</i></p>					

College Prep

7 th	8 th	9 th	10 th	11 th	12 th
Pre-Algebra	Algebra IA	Algebra IB	Algebra II (H) Algebra II	Geometry (H) Geometry College Math Conc Intro to Stats Advanced Algebra (H) Comp Prog I & II (H)	Trig (H) Pre-Calculus (H) Fund of Math/Trig AP Calc (H) Calculus (H) College Math Conc. Intro to Stats Advanced Alg (H) AP Stats Computer Prog I & II (H) AP Computer Science

Academic and CTC

7 th	8 th	9 th	10 th	11 th	12 th
Pre-Algebra	Algebra IA	Algebra IA	Algebra IB	Algebra II College Meth Concepts	Geometry College Math Concepts Intro to Stats

Science Course Sequence

Please note that all students will take the **Keystone Biology Exam** at the end of Biology

Science				
Grade	Accelerated	College Prep	Academic	CTC
9 th	421 Biology (H) 411B CP Concepts of Science B	411A and 411B Concepts in Science A & B	412 A & B Concepts in Science A & B	412 A & B Concepts in Science A & B
10 th	431 Chemistry (H) AND Science Electives	421 Biology (H) OR 422 Biology OR 423 Biology AND Science Electives	422 Biology OR 423 Biology	482 Biology (STC)
11 th	439 Physics (H) AND Science Electives	431 Chemistry (H) OR 432 Chemistry OR 442 Physical Science AND Science Electives	432 Chemistry OR Science Electives	1 Credit of Science Electives
12 th	Science Electives	Science Electives	Science Electives	Science Electives
A student's science classes will depend on what they plan to do after high school, since different careers require different science backgrounds.				

Suggested Electives for Students Interested in a Science Related Field:

453 Human Physiology (H) – Students interested in the medical field.

424 Genetics (H)– Students interested in a career in the medical field.

431 Chemistry (H)- Students interested in a career in the medical field, specifically nursing.

436 AP Chemistry (H) – Students interested in a career as a pharmacist or plan to major in science in college.

426 AP Biology (H) – Students interested in a career in the medical field.

460 AP Physics (H) – Students interested in an engineering career.

051 Emergency Medical Technician (H) – Students interested in a career as an EMT, paramedic or the medical field.

Other Science Electives:

442 Physical Science – Students interested in learning basic physics concepts.

451 Astronomy – Students who enjoy the night sky.

452 Astronomy II – Students who enjoy the night sky and photography.

429 Freshwater Biology – Students who enjoy nature.

454 Weather – Students interested in meteorology.

455 Environmental Science – Students who are concerned about their environment.

051 Emergency Medical Technician (H) – Students interested in a career as an EMT, paramedic or the medical field.

052 Fire Science I

053 Fire Science II

Schuylkill Technology Center (STC)

The Schuylkill Technology Center is an elective option of high school course selection designed to provide the basic technical skills to assist all students to prepare for a career in tomorrow's high-tech workforce and enable students to get a "head start" on post-secondary career. Programs offer basic entry-level skills with "hands-on" training on computerized and technical equipment. **Students must have completed the ninth grade to enroll in the Technology Center.** All Schuylkill Technology Center Programs of Studies have articulation agreements to various post-secondary/ higher education institutes, thus providing advanced placement and advanced skill opportunities. Schuylkill Technology Center encourages all students to make academic and career decisions based on their individual abilities, interests and values. More information regarding program of studies and articulation agreements can be obtained from [Schuylkill Technology Center](#).

STC North Campus
101 Technology Drive
Frackville, PA 17931
570-874-1034

STC South Campus
15 Maple Avenue
MarLin, PA 17951
570-544-4748

STC Career Clusters:

- Architecture and Construction
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, and Security
- Manufacturing
- Marketing Sales and Service
- Service Occupation Cluster
- Transportation, Distribution, and Logistics

Architecture and Construction

Carpentry Technology

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

Masonry Technology

An instructional program that prepares individuals to apply technical knowledge and skills in the laying and/or setting of brick, concrete block, glass block, hard tile, marble and related materials using trowels, levels, hammers, chisels and other hand tools.

Plumbing & Heating Technology

A program that prepares individuals to practice as licensed plumbers by applying technical knowledge, safety and skills to lay out, assemble, install and maintain plumbing fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling and industrial processing systems in home and business environments. Includes instruction in source determination, water distribution, waste removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, brazing and soldering, plumbing inspection and applicable codes and standards.

Residential/Industrial Electricity

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

Health Science

Health Careers

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

Emerging Health Professionals (*Senior Only Program*)

The Emerging Health Professionals is a partnership between Penn State Schuylkill, Leigh Valley Health Network - Schuylkill and St. Luke's University Hospital - Miners and other medical facilities. The Emerging Health Career Professional dual-enrollment program combines skills-based, interactive and university level classroom learning with shadowing in the health care setting. The program is designed to prepare students for post-secondary education by offering college science courses. Students spend two half-days a week with Penn State faculty and will spend two half-days a week participating in activities at either LVH or SLUHN. Students spend one half day a week participating in health curriculum taught by the STC instructor at STC North Campus.

Hospitality and Tourism

Culinary Arts

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

Human Services

Cosmetology

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

Early Childhood Care and Education

An instructional program that prepares individuals for a variety of occupations in childcare and guidance, often under the supervision of professional personnel in child or day care centers. This program includes instruction in growth and development; nutrition; program planning and management; safety; behavior guidance; play activities; child abuse and neglect; parent-child personal relationships; learning experiences for children; and laws, regulations and policies relating to childcare services.

Information Technology

Computer Information Systems

An instructional program that prepares individuals to apply technical knowledge and skills to support the design and development of software applications. This program is designed to provide the capacity to prepare and interpret process and data models, develop and structure software components and to validate the functionality, usability and reliability of those components. Validation skills include testing and debugging. System, component and user documentation is to be performed throughout the process. This program will provide students with the ability to integrate new and existing components. Students will receive instruction in at least two programming languages including at least one procedure-oriented language and one object and visually-oriented language. This course provides a thorough practical knowledge of the concepts, theories, logic and critical thinking skills required when building software applications. Students completing the program will possess a basic technical foundation needed to pursue postsecondary degrees leading to a career as a software developer, analyst project leader or in the

management of information technologies. Students may prefer to immediately enter the labor market in an entry-level position as developer or analyst.

Law, Public Safety, and Security

Criminal Justice

An instructional program that prepares individuals for entering post-secondary educational coursework in the field of criminal justice. Individuals completing this program have the knowledge and skills to advance themselves in the various disciplines of criminal justice, including policing, corrections, probation and parole, security, communications, and crime scene management. They also have a requisite understanding of the use of force and health issues.

Manufacturing

Electro-Mechanical Technology

An instructional program that prepares individuals to apply basic engineering principles and technical skills in both the mechanical and electrical fields. Instruction is planned to provide preparation in the design, development and testing of electromechanical devices and systems such as automatic control systems, servomechanisms, vending machines, elevator controls, missile controls, tape-control machines and auxiliary computer equipment. Instruction also includes feasibility testing of engineering concepts, systems analysis including designs, selection and testing and application of engineering data and the preparation of written reports and test results in support of mechanical and electrical engineers.

Precision Machining Technology

An instructional program that prepares individuals to apply technical knowledge and skills in all aspects of shaping metal parts. Instruction involves making computations relating to work dimensions, tooling and feeds and speeds of machining. Emphasis is placed upon bench work and the operation of lathes, power saws, milling machines, grinders, drills and computer operated equipment (CNC and CIM). Instruction also includes the use of precision measuring instruments such as layout tools, micrometers and gauges; methods of machining and heat treatment of various metals; blueprint reading; and the layout of machine parts. Instruction prepares students to operate all types of hand and computer-controlled machines

Welding Technology

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

Marketing Sales and Service

Marketing and Business Management

An instructional program that provides instruction in the fields of sales, distribution and marketing operations and focuses on the process and techniques of direct wholesale and retail buying and selling operations. This program is concerned with marketing, sales, distribution, merchandising and management including ownership and management of enterprises engaged in marketing. Marketing education programs prepare individuals to perform one or more marketing function such as selling, pricing, promotion, product/service management, distribution, financing and marketing information management. In addition, instructional programs include varying emphasis on technical knowledge of products and/or services marketed; related communication, economic, technological and computation skills; and abilities and attitudes associated with human relations. The program may also include management functions associated with owning and operating a business. Sales, distribution and marketing operations prepares individuals for occupations in such businesses as retail and wholesale trade, finance, insurance, real estate, entertainment, hospitality, food service, communications, storage and distribution.

Service Occupation Cluster

SOC Food Services (IU29)

The Food Services program prepares students for entry-level positions in the food service industry. The curriculum includes basic training in preparing and serving

foods in a commercial kitchen and basic cooking techniques for restaurant and cafeteria services. Students are taught the knowledge and skills they need to successfully complete the OSHA Teen Workers Safety in Restaurants Assessment. Advanced students work in Woody's restaurant, cafeteria and commercial dish room. The Supervisor of Special Education oversees the Service Occupations Cluster (SOC). SOC programs are designed to help students transition from basic, entry-level skill development to more advanced technical training that will lead them directly to the workforce.

Transportation, Distribution, and Logistics

Automotive Technology

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

Collision Repair Technology

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

Diesel Engine Technology

This is an instructional program that prepares individuals to apply technical knowledge and skills to the specialized maintenance and repair of trucks, buses,

and other commercial and industrial vehicles. The program includes instruction in diesel engine mechanics, suspension and steering, brake systems, electrical and electronic systems, preventive maintenance inspections, drive trains, HVAC systems, and auxiliary equipment installation and repair.

Outdoor Power Technology

An instructional program that prepares individuals to apply technical knowledge and skills to repair, service, maintain and diagnose problems on a variety of small internal-combustion gasoline engines and related systems used on portable power equipment such as lawn and garden equipment, chain saws, outboard motors, rotor tillers, snowmobiles, lawn mowers, motorcycles, personal watercraft and pumps and generators. This program includes instruction in the principles of the internal-combustion engine and all systems related to the powered unit. Instruction also includes the use of technical and service manuals, state inspection code, care and use of tools and test equipment, engine tune-up/maintenance, engine overhaul, troubleshooting and diagnostic techniques, drive lines and propulsion systems, electrical and electronic systems, suspension and steering systems and service operations and parts management.

Supply Chain and Warehouse Distribution

A program that prepares individuals to manage and coordinate logistical functions in an enterprise ranging from acquisitions to receiving and handling, through internal allocation of resources to operations units, to the handling and delivery of output. Includes instruction in acquisitions and purchasing, inventory control storage and handling, just-in-time manufacturing, logistics planning, shipping and delivery management, transportation, quality control, resource estimation and allocation and budgeting.