

2018-2019  
**BLUE MOUNTAIN HIGH SCHOOL PROGRAM OF STUDY**

(For The Classes of 2019 & 2020)



**Blue Mountain School District  
Mission Statement**

The Blue Mountain School District, in partnership with the community, is committed to providing a safe, caring environment for all students to reach their full potential in the 21<sup>st</sup> century.

**Educational Philosophy and Objectives  
of the Blue Mountain High School**

Public education should prepare the individual for life in a democratic society. The student's education in terms of knowledge and experiences must be comprehensive enough to develop the moral, mental, physical, emotional and social traits of the individual, to enable him/her to understand the working of a diverse society, and to find a satisfying role in relation to himself/herself and others in a global community.

Since education is the responsibility of the total school community, the school should reflect the ideas and interests of this community by fostering a collaborative action between and among students, teachers, administrators, and the community. In addition, we base our curriculum on the fundamentals of education, attempting to guide the student in the direction of his/her individual skills and interests.

**NON-DISCRIMINATION POLICY**

The Blue Mountain School District is committed to providing equal opportunities for all persons without regard to sex, race, creed, religion, ethnic background, or handicap in its educational programs, policies and employment practices. Inquiries should be directed to Mrs. Gwen Witmer-Belding, Equal Rights and Opportunities Compliance Officer (Title IX) of the Educational Amendments of 1972, and Coordinator of Section 504 (Handicapped) of the Rehabilitation Act of 1973; Red Dale Road, Orwigsburg, PA 17961 (570-366-0515).

## **Board of School Directors**

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### **CONTACT NAMES and PHONE NUMBERS**

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Principal	Mr. Kevin W. Berger	570-366-0511 ext. 2306
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Guidance Counselor	Mrs. Danielle Laubenstein	570-366-0511 ext. 2309
Guidance Counselor/Director of Guidance	Mrs. Cheryl Pishock	570-366-0511 ext. 2310
Guidance Counselor	Mr. Kevin Gee	570-366-0511 ext. 2311
Guidance Secretary	Mrs. Stephanie Carr	570-366-0511 ext. 2308

### **INDIVIDUALS WITH DISABILITIES EDUCATION ACT**

The Blue Mountain School District is required by the Individuals with Disabilities Education Act (“IDEA”) to provide a free, appropriate, public education (“FAPE”) to “children with disabilities.” Pursuant to the IDEA, students are considered to be children with disabilities if they need special education and related services and have one or more of the following physical or mental disabilities:

Autism	Orthopedic Impairment
Deaf-Blindness	Other Health Impairment
Emotional Disturbance	Specific Learning Disability
Hearing Impairment including Deafness	Speech or Language Impairment
Mental Retardation	Traumatic Brain Injury
Multiple Disabilities	Visual Impairment including Blindness

The IDEA further requires the provision of FAPE to children with disabilities between the age of three and the school district’s age of beginners known as “eligible young children.” The Schuylkill County Intermediate Unit provides early intervention service and programs to eligible children located within the Blue Mountain School District. Eligible young children are afforded the same rights as school aged children including screening, evaluation and an appropriate program and services.

Dear Students and Parents / Guardians,

The faculty and staff of Blue Mountain High School are dedicated to educating students to their fullest potential. Here at Blue Mountain, students are provided with many opportunities to acquire the necessary knowledge and skills for success after high school. Universities, colleges, trade schools, military, and future employers want individuals who are successful not only in the academic curriculum, but also those who possess the skills to solve problems, often while collaborating with others.

We offer a rich and expansive Program of Study that encourages students to plan and make well-informed curricular decisions based on their interests, abilities and goals for the future. (I encourage you to consult with your respective guidance counselor prior to building your schedule in an effort to assist you with your selections). Students should select the individual course level within each discipline that affords the greatest opportunity for both intellectual challenge (rigor) and academic success. It is important to review the course content, recommendations, credits, and instructional levels as indicated in the Program of Study to make these appropriate course decisions. Note: Some of the courses written in this catalog may not be offered every school year; it is dependent upon student request and staffing availability.

Now in our second year of implementing our “Career Academies”, each student in grade 9 will be required to select one of five career pathways, while students in grade 10 will either continue in their current Career Academy, or they can choose to follow a different academy. Academies are: Business, Communication and Arts, Engineering and Technology, Health and Sciences, and Human Services. Students should read the course requirements of their chosen Career Academy carefully before selecting elective courses. The purpose of the Career Academy structure is to provide students with access to a more focused / aligned curriculum to their interests. Successful completion of student elective choices will help to best prepare them in their specific field of study and will also provide students the early education of knowing a specific area is not for them. Students will be permitted to switch to a different Career Academy when they schedule courses for the upcoming year (which will become effective at the start of the following school year) if they decide they would like to explore a different direction. The main goal of our Career Academies is to help students become more knowledgeable in a career interest, while also encouraging them to make wise choices toward their future.

It is my goal that you, along with your counselor, can design a schedule that is personally challenging, and requires you to explore, aspire, and grow academically. I encourage you to take full advantage of the high quality educational opportunities available at Blue Mountain High School. It is truly an investment in your future. Our mission is educational excellence... and it is my hope that we can reach that milestone together! Your success is our greatest accomplishment!

We look forward to you being an integral part of the upcoming school year here at Blue Mountain.

Yours in education,  
*Kevin W. Berger*  
Mr. Kevin W. Berger  
Principal

## FROM THE GUIDANCE DEPARTMENT:

The information in the Program of Studies is designed to guide you with your decisions in the course selection process during your years at Blue Mountain High School. These are very important decisions as you think about your future career.

You must seriously consider your abilities, interests, study habits, and time-management skills in handling academic and extra-curricular demands and commitments at the high school. Always keep in mind that specific educational and career goals are met by successfully completing recommended courses. The final decision rests with you and your parents, however the school counselors and teachers are available to assist you in making these important decisions.

All students are expected to develop and maintain a career portfolio throughout high school. The counselors will work with each student yearly to assist them in maintaining their portfolio and reaching their educational career goals.

**In ninth grade:** In addition to group classroom presentations on career and post-secondary planning, all students meet individually with their counselor to go over career exploration. Students are trained to use the planning and assessment dimensions of the Naviance Career Software.

**In tenth grade:** Guidance counselors conduct classroom presentations on academic, career and post-secondary planning. Students receive further training on Naviance for ongoing development of their career portfolio. Students meet with counselors as needed on an individual basis. Students may elect to take the PSAT (Preliminary Scholarship Aptitude Test) in October. The optional ASVAB test for the military is given in November.

**In eleventh grade:** Counselors meet individually with all students and conduct large group guidance presentations on academic, career and post-secondary options. Students continue to use Naviance for individualized career and post-secondary planning. The PSAT (Preliminary Scholarship Aptitude Test) is administered in October. College admissions tests (SAT and ACT) are recommended to be taken in the spring. The optional ASVAB test for the military is given in November.

**In twelfth grade:** Guidance counselors conduct classroom presentations on the college admission and financial aid process. College and career plans are looked at in depth in an individual counselor meeting. If necessary, SAT's and/or ACT's can be taken in the fall by those who deem it necessary. A financial aid presentation is held in November for seniors and their parents. The optional ASVAB test for the military is given in November.

Cheryl Pishock, Director of Guidance  
Danielle Laubenstine, Counselor  
Kevin Gee, Counselor

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## I. SCHEDULING

Each student shall be responsible for preparing his/her schedule under the direction of the high school guidance counselors. Counselors are assigned as follows:

Mrs. Danielle Laubenstein – Last Names “A” through “G”

Mrs. Cheryl Pishock – Last Names “H” through “O”

Mr. Kevin Gee – Last Names “P” through “Z”

In order to intelligently prepare a schedule of classes for the school term, a student must indicate his/her career interest area and course selections. Each student must select a program area designed to meet his/her educational and career goals.

Every effort will be made to schedule students for requested courses. In the event of insufficient registration and/or staffing or facilities limitations, the administration reserves the right to cancel any course or limit enrollment. Preference will be given to seniors, juniors and sophomores and freshmen in descending order, if any course enrollment must be altered.

It is required that all students have a full schedule of 7 periods per day whenever possible. Students shall schedule each semester a minimum of seven academic or elective courses according to his/her program area. Credit shall be granted to courses on the basis of number of class periods per cycle. If a course meets five days a week for a semester, it would have a credit value of .50. If a course meets five days a week for the full year, it would have a total credit value of 1.00 (.50 for first semester and .50 for second semester.)

When a student has selected a course and is scheduled, the student has made a commitment to that course for its duration. Adequate schedule planning for students, teachers, counselors, and classroom space can be completed only when student requests and assignments are considered to be final and binding.

## II. SCHEDULING CHANGES:

Once the school year has begun, the following procedures will be followed for scheduling changes when possible; (i.e., if scheduling permits based on course enrollments and/or offered class period(s)):

1. Students in grades 9-12 may request level changes for core curriculum (not elective) courses no later than the fifth day of the first semester. Decisions must be based upon appropriate academic challenge and career goals, and will not be based upon social or teacher preferences. All course changes require parent and administrative approval.
2. All course changes for elective level courses must be done prior to the beginning of the school year.
3. A student may request a course change for second semester of a continuous course if, after giving maximum effort, the student is having academic difficulty with the possibility of failing or is failing (75% or below) a continuous course during the first semester. All schedule changes due to academic difficulty should be completed no later than the fifth day of the second semester for all students. Teacher, parent, and administrative approval are required.
4. A schedule change due to a documented medical condition or IEP team decision will be reviewed accordingly. Parent and administrative approval is required.
5. If requests for course changes impact on the minimum course enrollments (i.e. drops the number of enrolled students in a course to less than 10), course change requests will be denied.
6. Students may not drop a scheduled course for a study hall.

### **III. ACADEMIC YEAR**

The Blue Mountain High School academic year is divided into four grading periods. Report cards are issued at the end of each nine-week period. Parents have daily access to student progress through Power School. Interim reports will be sent home approximately midway of each quarter with written parent request. Report cards will be sent home at the end of each quarter.

Blue Mountain High School uses a student record system that gives parents a secure means of checking their child's grades, attendance, and other records. This information is accessed through the use of a computer/internet link. Passwords and access information will be given to all students near the beginning of school. Other parents may contact the guidance office to obtain information regarding how to access the proper codes.

### **IV. CLASS RANK AND CREDIT WEIGHT**

Rank-in-Class is the position of any one student in a graduating class in relationship to all other students in the graduating class based upon a weighted grade point system, cumulative to include all semesters. A weighted grade point average system is used to enable the school to consider the level of difficulty of courses and the course load taken by the student. Health class is identified as an "R" designated course. The purpose of Rank-in-Class is to aid the student in gaining acceptance to a college program that will match his/her academic ability by enabling college and university admissions officers to assess how the student compared academically to other members of his/her graduating class. Admission officers consider Rank-in-Class as one measure of industry and intellectual ability, two basic ingredients for success in college academic work.

- A. Compute and report Rank-in-Class data following the end of each school year for students in the class.
- B. Include all students in the class when computing Rank-in-Class excluding students visiting from foreign countries.
- C. Include final grades earned in all major "R" designated courses elected in grades nine through twelve that are grades on an A+ to F- scale, cumulative to include all semesters when computing weighted grade point averages.
- D. Exclude grades earned: (1) in courses graded on a pass/fail or other non-traditional grading system; (2) in courses that meet less than three periods per week except for health; (3) in courses scheduled beyond the normal school day, i.e., activity period, evenings, weekends, etc.; and (4) in courses at the post-secondary level, i.e., enrichment courses, unless approved through our dual enrollment program.
- E. Compute each student's cumulative total weighted grade point average by using the procedures and formulas further described.
- F. Convert all final percentage grades earned in each course to their grade point equivalent as follows:

## V. GRADING SCALE EQUIVALENTS

Grade Definition	Letter Grade Earned	Percentage Earned	Grade Point Equivalent
Outstanding Achievement	A+	100	4.0
	A+	99	3.9
	A	98	3.8
	A	97	3.7
	A	96	3.6
	A	95	3.5
	A-	94	3.4
	A-	93	3.3
High Achievement	B+	92	3.2
	B+	91	3.1
	B	90	3.0
	B	89	2.9
	B	88	2.8
	B	87	2.7
	B-	86	2.6
	B-	85	2.5
Satisfactory Achievement	C+	84	2.4
	C+	83	2.3
	C	82	2.2
	C	81	2.1
	C	80	2.0
	C	79	1.9
	C	78	1.8
	C-	77	1.7
	C-	76	1.6
Minimal	D+	75	1.5
	D+	74	1.4
	D	73	1.3
	D	72	1.2
	D-	71	1.1
	D-	70	1.0
Failure	F	50-69	0.0
	F-	Below 50	0.0

G. All "R" designated courses are weighted to recognize the degree of difficulty of each course level as follows:

<u>Course Level</u>	<u>Course Weight</u>
Advanced Placement	1.00
Honors	0.50
College Preparatory	0.20
General	0.00
Selected electives	0.00 – 1.00

H. Course credit is based on the length of the course given the number of periods per semester or year. Semester averages will be used to issue credit for continuous year courses.

I. Weighted quality points (WQP) equal the grade point equivalent (GPE) and the course weight (CW) added together, the sum of which is multiplied by the course credit (CC):

Example:  $(GPE + CW) \times (CC) = (WQP)$   
 $(4.0 + 0.5) \times (0.5) = (2.25)$

The weighted quality points earned for each major "R" designated course are added together and this sum represents the student's total weighted quality points earned in a school year. The student's total weighted quality points earned in each year in high school is totaled to find the student's cumulative total weighted quality points. Grade point average is determined by dividing total weighted quality points by attempted credits.

Sample Senior Student:	Grade				
Course Title	Earned	$(GPE + CW) \times (CC)$	=		(WQP)
CP English IV	95%	$(3.5 + 0.2) \times (1.0)$	=		3.70
CP American Government	99%	$(3.9 + 0.2) \times (1.0)$	=		4.10
CP Physics/Lab	88%	$(2.8 + 0.2) \times (1.0)$	=		3.00
AP Calculus	85%	$(2.5 + 1.0) \times (1.0)$	=		3.50
Computer Programming	80%	$(2.0 + 0.2) \times (1.0)$	=		2.20
Spanish II	93%	$(3.3 + 0.2) \times (1.0)$	=		3.50
Physical Education IV	90%	(excluded from RIC)			0.00
	Senior year total weighted quality points				20.00
Prior 3 years:	Cumulative total weighted quality points				<u>62.22</u>
All 4 years:	Cumulative total weighted quality points				82.22

\*Credit weight is not included in WQP for an F or F- grade.

J. Rank order (list in descending order from highest to lowest) the cumulative total weighted quality points earned for all regular students in the class. Report Rank-in-Class for a student by his/her rank order position in the class.

Example: Stewart Dent ranks sixth in his class of 218 students.

Students, parents and teachers should refer to the course description in this publication for a complete listing of all courses offered each year and the course credit weight, course credit and designation. Any other questions should be directed to your guidance counselor.

## VI. GRADUATION COURSE REQUIREMENTS

Diplomas shall be granted to students who successfully complete 23 credits with selected standards in courses required by the district and state. Students are responsible for being aware that graduation requirements are met. Failure in a required course must be passed in summer school if offered or rescheduled during another school year.

### Minimum graduation course requirements are as follows:

Course	Credit Weight	Credit Total	
English I	0.20 – 0.60	1.0	
English II	0.20 – 0.60	1.0	
English III	0.00 – 0.50	1.0	
English IV	0.00 – 1.00	1.0	4.0
American History I	0.20 – 0.60	1.0	
American History II	0.20 – 0.60	1.0	
World Cultures	0.00 – 1.00	1.0	
American Government	0.00 – 1.00	1.0	4.0
Physical Science	0.20 – 0.60	1.0	
Biology	0.00 – 0.50	1.0	
Science Elective	0.00 – 1.00	1.0	*3.0 or 4.0
Algebra I	0.20 – 0.60	1.0	
Algebra II	0.20 – 0.60	1.0	
Geometry	0.00 – 0.50	1.0	*3.0 or 4.0
accel. Alg. II (1.00), Geom. (1.00), Math elective (1.00)			
*1.00 additional credit in Math or Science except			
Physical Education I		0.4	
Driver's Education		0.2	
Physical Education II		0.3	
Physical Education III/IV		0.5	
Physical Education III/IV		0.5	
Health		0.4	2.3
Electives	0.00 – 1.00	5.7	5.7
		*Total	23.0

Courses, credit weight and credit may be changed for various educational and mechanical reasons by the administration. Students will be informed of any changes by their guidance counselor.

## GRADUATION COURSE REQUIREMENTS (STC STUDENTS)

Diplomas shall be granted to students who successfully complete 23 credits with selected standards in courses required by the district and state. Students are responsible for being aware that graduation requirements are met. Failure in a required course must be passed in summer school if offered or rescheduled during another school year.

**Minimum graduation course requirements are as follows:**

Course	Credit Weight	Credit Total	
English I	0.20 – 0.60	1.0	
English II	0.20 – 0.60	1.0	
English III	0.00 – 0.50	1.0	
English IV	0.00 – 1.00	1.0	4.0
American History I	0.20 – 0.60	1.0	
American History II	0.20 – 0.60	0.5	
World Cultures	0.00 – 1.00	1.0	
American Government	0.00 – 1.00	1.0	3.5
Physical Science	0.20 – 0.60	1.0	
Biology	0.20 – 0.60	1.0	
Science Elective	0.00 – 1.00	1.0	3.0
Algebra I	0.20 – 0.60	1.0	
Algebra II	0.20 – 0.60	1.0	
Geometry	0.00 – 0.50	1.0	3.0
*accel. Alg. II (1.00), Geom. (1.00), Math elective (1.00)			
Physical Education I		0.4	
Driver's Education		0.1	
Physical Education II		0.5	
Physical Education III/IV		0.5	
Physical Education III/IV		0.5	
Health		0.5	2.5
Required Skills Classes in the following areas:			
(Y.E.S. 16-30)		0.5	0.5
Electives	0.00 – 0.2	6.5	6.5
*STC Program counts as 3.0 credits for 11 <sup>th</sup> , & 12 <sup>th</sup> grade students			
*STC Program Levels III & IV = 0.20 Credit Weight			
*Total			23.0

Courses, credit weight and credit may be changed for various educational and mechanical reasons by the administration. Students will be informed of any changes by their guidance counselor.

## VII. GRADUATION PROFICIENCY REQUIREMENTS

In addition to the course requirements established for Blue Mountain graduates, students will also be required to meet graduation proficiency requirements through Keystone Exams, and other measures as determined by the Pennsylvania Department of Education. Proficiency will be required for graduation in the following areas:

- Mathematics
- English/Language Arts
- Science

Students will be required to participate in Keystone Exams in the listed areas. Students not meeting proficiency on the Keystone Exam will be provided opportunities for retaking the Keystone Exam. Students not meeting proficiency on Keystone exams administered from eighth through eleventh grade will have alternate means for meeting graduation proficiency as determined by the Pennsylvania Department of Education. Parents and students will be informed of details concerning these requirements and any changes to graduation requirements established by the Pennsylvania Department of Education.

## VIII. GRADUATION PROJECT REQUIREMENT

Students will be required to complete a Graduation Project based on a minimum of 30 hours community service with an approved non-profit community organization. Along with the community service hours, the project includes an oral component requiring students to communicate their planning process, service hour experiences and knowledge gained from their project. The oral component will be completed with the student's graduation project advisor and fellow graduation project advisees. Students will be assigned an advisor who will serve as a mentor in guiding students through the process. The project must be completed by the end of first semester in 12<sup>th</sup> grade. **Students MUST meet the required minimum number of credits and complete the graduation project in order to fully participate in graduation activities.**

## IX. CREDIT RECOVERY PROGRAM

Summer Credit Recovery and Senior Credit Recovery are available programs for students to make up credits for course failures with grades of 50-69% in required courses for graduation. A student may enroll in no more than two courses per program session. A course in which a student earns a grade of 49% or below must be repeated during the regular school program.

Summer Credit Recovery is offered during summer sessions through a combination of teacher instruction and online learning. Students attending Summer Credit Recovery must meet attendance requirements while earning a passing grade for course credit. Students must pay a registration fee for each course enrollment.

Senior Credit Recovery is available for seniors on track for graduation to make up course failures in a required course for graduation. It is strongly recommended that students utilize Summer Credit Recovery courses prior to being allowed to enroll in a Senior Credit Recovery Course. Courses will be offered to seniors through the Blue Mountain Virtual Academy Program. There will be a maximum of two courses permitted per semester. The courses must be approved by administration and must be completed beyond a student's regular schedule. Students must pay a registration fee for each course enrollment. **Students MUST meet the required minimum number of credits and complete the graduation project in order to fully participate in graduation activities.**

## X. ADVANCED PLACEMENT (AP) PROGRAM

The Advanced Placement Program is a program of college-level courses and exams for secondary school students. It is offered through the College Board. Some of the colleges that AP candidates have attended give credit and/or advanced placement to students whose AP examination grades are considered acceptable. Students who enroll in AP courses are required to take AP exams. AP exams are administered in May of each school year. Students must pay half of all exam fees within the first five (5) days of the school year or students will be dropped from the course. The College Board provides a fee reduction for students with financial need. Students with a financial hardship should contact Cheryl Pishock, AP Coordinator at the high school. Any student unable to take the AP Exam during the regularly scheduled testing period and not meeting the late testing criteria set by the College Board will be required to pay the entire exam fee. Students must make every effort to complete A.P. exams at the regularly scheduled exam time. Students needing late testing accommodations will need to pay all associated fees.

## **XI. GIFTED PROGRAM**

Students in the gifted program are encouraged to pursue appropriately challenging course levels to meet the students' particular needs along with preparing them for post-secondary educational and career plans. While it is not possible to list all courses that are highly recommended for a gifted student, the high school program of studies offers a range of college prep (0.20 level), honors (0.50 level), and advanced placement (1.00 level) courses throughout the major disciplines which should be considered for enrollment. Students can also explore other enrichment opportunities such as field trips, independent study in special topics, and additional projects during activity period. Further enrichment courses may be pursued at the post-secondary level following specific registration guidelines. Inquiries about the gifted program should be directed to the gifted coordinator. Preauthorization for any course beyond a Blue Mountain High School course must be obtained from a district administrator prior to registration. \*Courses completed by students in eighth grade (ex. honors courses) are not credited as graduation requirements even if the course is completed in the High School. However, such courses are regarded as prerequisites for some high school courses. As part of a G.I.E.P. plan, students may take additional courses for advancement in course placement. Any course beyond the maximum credit load will be reflected on a transcript as an audit course. These additional courses are not used in rank and GPA calculation.

## **XII. INDEPENDENT STUDY**

Independent Study may be approved by the Board for properly qualified students (minimum 3.0 GPA) so they can extend their learning experience and can direct and conduct their own learning. The following procedures apply:

1. The Board shall approve each course of independent study and designate the number of credits toward graduation to be awarded upon successful completion of such course, except that the Board reserves the right to assign no credit for such an approved course.
2. Students must develop specific, measurable instructional objectives for each individually planned course of independent study.
3. Applicants shall be limited to students who have completed the ninth grade.
4. Courses of independent study need not be limited to participation by a single student but may involve more than one or a group of students, subject to Board approval.
5. Each student must conduct his/her study under appropriate staff guidance and supervision.
6. Staff member must certify the completion of each course of independent study based upon the original specified objective.

## **XIII. HONORS AND ADVANCED PLACEMENT COURSE SELECTION**

The high school program of studies offers a diverse selection of honors and advanced placement courses throughout the major disciplines. The following descriptions are given for each course level:

**HONORS** - Student enrolls in a course requiring additional higher-level thinking skills and application activities with an increased demand for student participation, homework, preparation and projects. The student must meet necessary prerequisite course requirements.

**ADVANCED PLACEMENT** - Student enrolls in a course requiring increased demands and higher level thinking skills beyond those of the Honors level courses to prepare for an AP exam according to the College Board guidelines. The student must meet necessary prerequisite course and should follow the recommended grade requirements.

#### **XIV. DUAL ENROLLMENT**

Students interested in getting a head start on a college career may want to consider taking courses for Dual Enrollment. Blue Mountain students who enroll in Dual Enrollment courses earn transferable college credits for each course taken while they work to meet high school graduation requirements. Courses may be taught at the high school by a Blue Mountain teacher, a college professor, at a local college, through the internet, or by way of videoconferencing. The following guidelines pertain to Dual Enrollment courses at Blue Mountain:

- a. Students may take up to two dual enrollment courses per semester. All dual enrollment courses and grades will be printed on student transcripts.
- b. Dual enrollment courses taken during the school year and day count toward graduation and such courses may replace a high school graduation requirement only for elective credits. (Exception for science elective credit earned through Emerging Health Careers)
- c. Summer and after school classes will not be included in our dual enrollment program. No credit will be awarded. Grades will not be included in the GPA or class rank. These courses cannot replace a graduation requirement and the district will not pay for summer or after school classes. We will, however, include the course with the transcript information.
- d. Instruction for dual enrollment courses is provided by the post-secondary institution and subject to institutional policies and procedures. BMHS faculty and staff are not responsible for providing instructional support or monitoring dual enrollment courses. Students enrolled in dual enrollment courses take on full responsibility for completion of course requirements, and all grading is assigned by the participating post-secondary institution.
- e. If a student wishes to drop a dual enrollment course, college guidelines must be followed.
- f. Weight for dual enrollment courses will be 1.00.
- g. Tuition, books, fees, and necessary transportation for dual enrollment courses are the responsibility of the enrolled student.

Students should consult with their counselors regarding further details for dual enrollment.

#### **XV. HONOR ROLL**

The following provisions must be met in order for a student to be recognized as attaining regular or distinguished honor roll status:

**REGULAR HONORS** – Students are required to earn a percentage grade of 85 in all courses. A student who earns a grade of “UI” – Incomplete, “U” – Unsatisfactory progress, or “I” – Improvement needed is ineligible for regular honors.

**DISTINGUISHED HONORS** – Students are required to earn a percentage grade of 93 in all courses. A student who earns a grade of “UI” – Incomplete, “U” – Unsatisfactory progress, or “I” – Improvement needed is ineligible for distinguished honors.

#### **XVI. INTERSCHOLASTIC ATHLETIC ELIGIBILITY**

To be eligible for interscholastic athletic competition, a student must be passing at least four (4) full-credit subjects (or the equivalent), and not failing more than two (2) credits. Eligibility shall be cumulative from the beginning of a grading period, shall be reported on a weekly basis, and shall be filed in the Principal’s office. Where a student’s cumulative work from the beginning of the grading period does not as of any Friday meet the standards provided, the student shall be ineligible from the immediately following Sunday through the Saturday immediately following the next Friday as of which the student’s cumulative work from the beginning of the grading period meets the standards provided.

Additionally, a student must have passed at least four full-credit subjects or the equivalent during the previous grading period. In cases where a student’s work does not meet the standard said student shall be ineligible to participate in interscholastic athletics for at least fifteen (15) school days of the next grading period, beginning on the first day report cards are issued. At the end of the school year, the student’s final credits in the student’s subjects rather than the student’s credits for the last grading period shall be used to determine the student’s eligibility for the next grading period.

2017-2018 PIAA Constitution and By-Laws; Article X; Curriculum Sections 1 – 3.

## **XVII. NCAA INFORMATION FOR THE COLLEGE BOUND ATHLETE AND PARENTS**

The NCAA (National Collegiate Athletic Association) is the governing organization for collegiate athletics regarding established rules on eligibility, recruiting, and financial aid. The NCAA includes Division I, Division II, and Division III colleges and universities. Athletic scholarships are offered through Division I and II institutions.

High school athletes planning to participate in Division I or II collegiate sports during their first year of college enrollment must register with the NCAA Eligibility Center. Online registration is required at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). High school students typically register with the NCAA near the end of junior year or the beginning of senior year. The NCAA determines a prospective athlete's academic eligibility for athletic participation at Division I or II institutions. There are specific academic requirements that must be met for Division I and II to become a qualifier for athletic participation. Requirements include completion of core courses as approved by the NCAA with a required core-course grade-point average and SAT or ACT test score. **General level courses do not qualify as NCAA core-courses.** Students do not need to be qualified through the NCAA Eligibility Center for Division III institutions.

Further information, including specific GPA and test score requirements, special conditions for students with disabilities, and Blue Mountain High School's core-course list, is available at [www.ncaa.org](http://www.ncaa.org) and in the high school guidance office. Consult with your school counselor regarding this process.

## **XVIII. CURRICULUM OFFERINGS**

### **ENGLISH COURSES**

<b>COURSE</b>	<b>COURSE NUMBER</b>	<b>REC. GRADE LEVEL</b>	<b>NUMBER OF SEMESTERS</b>	<b>PDS. PER CYCLE</b>	<b>CREDITS PER YEAR</b>	<b>CREDIT WEIGHT</b>
English I	11109/11209	9	2	6	1.00	0.00
English I (STC)	11015	9	1	12	1.00	0.00
CP English I	11309/11409	9	2	6	1.00	0.20
Honors English I	11509/11609	9	2	6	1.00	0.50
English II	12109/12209	10	2	6	1.00	0.00
English II (STC)	12009	10	1	12	1.00	0.00
CP English II	12309/12409	10	2	6	1.00	0.20
Honors English II	12509/12609	10	2	6	1.00	0.50
English III	13109/13209	11	2	6	1.00	0.00
English III (STC)	13009	11	1	12	1.00	0.00
CP English III	13309/13409	11	2	6	1.00	0.20
Honors English III	13509/13609	11	2	6	1.00	0.50
English IV	14109/14209	12	2	6	1.00	0.00
CP English IV	14309/14409	12	2	6	1.00	0.20
Honors English IV	14509/14609	12	2	6	1.00	0.50
AP Lit. & Comp.	14709/14809	12	2	6	1.00	1.00
Public Speaking	15115	11, 12	1	6	0.50	0.20
Creative Writing	15209	11, 12	1	6	0.50	0.20
Journalism	15409/15509	11, 12	1 or 2	6	0.50/1.00	0.20
Effective Communication	11717	9-12	1	6	0.50	0.20
Media Studies	11817	9-12	1	6	0.50	0.20
TV Studio I	11917	9-12	1	6	0.50	0.20
TV Studio II	11818/11918	10, 11, 12	1 or 2	6	0.50/1.00	0.20
SAT Test Prep	42816	11-12	1	6	0.50	0.20

English Graduation Requirements: Four (4.0) credits – English I, II, III, IV

### **SOCIAL STUDIES COURSES**

<b>COURSE</b>	<b>COURSE NUMBER</b>	<b>REC. GRADE LEVEL</b>	<b>NUMBER OF SEMESTERS</b>	<b>PDS. PER CYCLE</b>	<b>CREDITS PER YEAR</b>	<b>CREDIT WEIGHT</b>
American Hist. I	21109/21209	9	2	6	1.00	0.00
CP Amer. Hist. I	21309/21409	9	2	6	1.00	0.20
Hon. Amer. Hist. I	21509/21609	9	2	6	1.00	0.50
American Hist. II	22109/22209	10	2	6	1.00	0.00
CP Amer. Hist. II	22309/22409	10	2	6	1.00	0.20
Hon. Amer. Hist. II	22509/22609	10	2	6	1.00	0.50
American Hist. II (STC)	22117	10	1	6	0.50	0.00
World Cultures	23109/23209	11	2	6	1.00	0.00
CP World Cultures	23309/23409	11	2	6	1.00	0.20
AP World History	23709/23809	11, 12	2	6	1.00	1.00
World Cultures (STC)	23117	11	1	12	1.00	0.00
American Govt.	24109/24209	12	2	6	1.00	0.00
CP Amer. Govt.	24309/24409	12	2	6	1.00	0.20
Hon. Amer. Govt.	24509/24609	12	2	6	1.00	0.50
AP Govt. & Politics	25315/25415	12	2	6	1.00	1.00
American Govt. (STC)	24117	12	1	12	1.00	0.00
AP U.S. History	24709/24809	10-12	2	6	1.00	1.00
AP Art History	26016/26116	11, 12	2	6	1.00	1.00
Psychology	25109	11, 12	1	6	0.50	0.20
Sociology	25209	11, 12	1	6	0.50	0.20
Contemp. Events & Human	21717	9-12	1	6	0.50	0.20
Comparative Religions	25118	11, 12	1	6	0.50	0.20
History of Genocide	25218	11, 12	1	6	0.50	0.20

Social Studies Graduation Requirements: Four (4.0) credits – American History I, II or AP US History, World Cultures or AP World History, American Government, or AP Government & Politics

## SCIENCE COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Physical Sci./Lab	31109/31209	9	2	6	1.00	0.00
Physical Sci./Lab (STC)	34015	9	1	12	1.00	0.00
CP Phys. Sci./Lab	31309/31409	9	2	6	1.00	0.20
Hon. Phys. Sci./Lab	31509/31609	9	2	6	1.00	0.50
Biology/Lab	32114	10	1	12	1.00	0.00
CP Biology /Lab	32309	10	1	16	1.00	0.20
Hon. Biology/Lab	32509/32609	10	2	9	1.50	0.50
Chemistry/Lab	33109	11	1	12	1.00	0.00
CP Chem./Lab	33309	11	1	12	1.00	0.20
Hon. Chem./Lab	33115/33215	11	2	9	1.50	0.50
AP Chem./Lab	33709/33809	11	2	9	1.50	1.00
Gen. Lab. Science	35109/35209	12	2	6	1.00	0.00
Gen. Lab. Sci. (STC)	33009	12	1	12	1.00	0.00
CP Physics/Lab	34309/34409	12	2	6	1.00	0.20
Hon. Physics/Lab	34115/34215	12	2	9	1.50	0.50
AP Physics 1/Lab	34714/34814	12	2	9	1.50	1.00
CP Anat. & Microbio./Lab	35310/35410	11, 12	2	6	1.00	0.20
Hon. Anat. & Phys./Lab	35509/35609	11, 12	2	6	1.00	0.50
AP Biology/Lab	35709/35809	11, 12	2	9	1.50	1.00
Environmental Science	36514/36614	11, 12	2	6	1.00	0.00
AP Environ. Sci./Lab	36709/36809	11, 12	2	6	1.00	1.00
CP Global Sustainability	32711	10-12	1	6	0.50	0.20
Intro. to STEM	31717	9-12	1	6	0.50	0.20
Hon. Organic Chem.	34318	12	1	6	0.50	0.50
Intro. to Earth / Space Sci.	33318	11, 12	1	6	0.50	0.00

Science Grad. Req.: (4.0) cr. – Phys. Sci., Biology/Lab, Sci. Electives

## MATHEMATICS COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Algebra I	40114/40214	9	2	6	1.00	0.00
CP Algebra I	40314/40414	9	2	6	1.00	0.20
Honors Alg. I	40514/40614	9	2	6	1.00	0.50
Algebra II	41114/41214	10	2	6	1.00	0.00
CP Alg. II	41314/41414	9, 10	2	6	1.00	0.20
Hon. Alg. II	41514/41614	9, 10	2	6	1.00	0.50
Geometry	42109/42209	11	2	6	1.00	0.00
CP Geometry	42309/42409	11	2	6	1.00	0.20
Hon. Geometry	42509/42609	10, 11	2	6	1.00	0.50
Algebra III	43114	11, 12	1	6	0.50	0.00
Statistics & Probability	43214	11, 12	1	6	0.50	0.00
CP Alg. III	43314	11, 12	1	6	0.50	0.20
CP Trigonometry	43414	11, 12	1	6	0.50	0.20
Hon. Pre-calculus	43509/43609	11, 12	2	6	1.00	0.50
AP Calculus AB	43711/43811	12	2	6	1.00	1.00
AP Statistics	44709/44809	11, 12	2	6	1.00	1.00
CP Statistics	44511/44611	11, 12	2	6	1.00	0.20
Discrete Math	44609	11, 12	1	6	0.50	0.20
Math & Technology	42916	10	1	6	0.50	0.20
SAT Test Prep	42816	11	1	6	0.50	0.20

Math Grad. Req.: (4.0) cr. Alg. I, Alg. II, Geometry, Math Elective; (accel. Alg II, Geometry, Math Electives)

## PHYSICAL EDUCATION, HEALTH, AND DRIVER EDUCATION COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Phys. Ed. I	50109	9	1	4	0.3	0.00
Phys. Ed. II	50209	10	1	6	0.5	0.00
Phys. Ed. II	50218	10	2	3	0.5	0.00
Phys. Ed. III/IV	50314	11-12	1	6	0.5	0.00
Phys. Ed. III/IV	50317	11-12	2	3	0.5	0.00
Adapted Phys. Educ. Health	52209/52217	9-12	1 or 2	1	0.4	0.00
Intro to Sports Med	53311	10, 11 (STC)	1	6	0.5	0.20
Driver Ed.	52309	9	1	2	0.2	0.00
Behind the Wheel		10-12		(scheduled independently for 6 hrs.)		0.00

Phys. Ed. and Health Graduation Requirements: Two (2.0) credits – Physical Education I, II, III, IV and Health

## WORLD LANGUAGE COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
French I	62109/62209	9-12	2	6	1.00	0.20
French II	62309/62409	9-12	2	6	1.00	0.20
Hon. French III	62509/62609	10-12	2	6	1.00	0.50
Hon. French IV	62709/62809	11, 12	2	6	1.00	0.50
Hon. French V	63109/63209	12	2	6	1.00	0.50
AP French	63312/63412	12	2	6	1.00	1.00
Spanish I	64109/64209	9-12	2	6	1.00	0.20
Spanish II	64309/64409	9-12	2	6	1.00	0.20
Hon. Spanish III	64509/64609	10-12	2	6	1.00	0.50
Hon. Spanish IV	64709/64809	11, 12	2	6	1.00	0.50
Hon. Spanish V	65109/65209	12	2	6	1.00	0.50
Internatl. Business	65509	11, 12	1	6	0.50	0.20

\*Students who earned at least 80% in a level I course must schedule the level II course or level I of an alternate language.

\*Students scheduling level IV or V courses may be expected to work independently with advisement by the instructor if these courses are scheduled with other levels given student requests and teacher availability.

## BUSINESS EDUCATION AND COMPUTER COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Microsoft Off. Comp. I	70109	9-12	1	6	0.50	0.20
Microsoft Off. Comp. II	70209	9-12	1	6	0.50	0.20
Comp. Programming	71309	10-12	1	6	0.50	0.20
Hon. Struct. Prog. C++	71509/71609	12	2	6	1.00	0.50
Hon. Acctg.	72509/72609	10-12	2	6	1.00	0.50
Computer Applications	70516	10-12	1	6	0.50	0.20
Business & Personal Law	71117	10-12	1	6	0.50	0.20
Hon. Finance & Econ.	73509/73609	11-12	2	6	1.00	0.50
Princ. of Marketing	72309	10-12	1	6	0.50	0.20
International Business	65509	11-12	1	6	0.50	0.20
Business Admin.	72709/72809	11-12	2	6	1.00	0.20
Princ. of Acctg.	72409	9-12	1	6	0.50	0.20
Y.E.S (1-15)	71709	10-12	1	6	0.50	0.20
Y.E.S (16-30)	71809	10-12	1	6	0.50	0.20
Intro. to Business	71717	9-12	1	6	0.50	0.20

## TECHNOLOGY COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Woodworking Technology	90310	10-12	1	6	0.50	0.00
Woodworking Technology II	90318	11-12	1	6	0.50	0.20
Architectural Design	90413	10-12	1	6	0.50	0.00
Construction Technology	90810	11-12	1	6	0.50	0.00
Pre-Eng. & Innov.	91213	11-12	1	6	0.50	0.20
Graphic Communications	91511	10-12	1	6	0.50	0.00
Tech. Draw./CADD	91613	10-12	1	6	0.50	0.20
Explor. Photo.	91809	10-12	1	6	0.50	0.00
Digital Media	92114	10-12	1	6	0.50	0.20
VEX Agile Robotics	93213	10-12	1	6	0.50	0.00
Intro. to Graphic Arts	91717	9-12	1	6	0.50	0.20
Intro. to Material Process	91817	9-12	1	6	0.50	0.20
Manufacturing Enterprises	91917	10-12	1	6	0.50	0.20

## FAMILY AND CONSUMER SCIENCE COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Child Dev.	92309	9-12	1	6	0.50	0.20
Early Childhood Educ.	92409	9-12	1	6	0.50	0.20
Culinary Arts I	92509	9-12	1	6	0.50	0.00
Culinary Arts II	92609	9-12	1	6	0.50	0.20
Global Foods	92711	9-12	1	6	0.50	0.20
Life After High School	92909	10-12	1	6	0.50	0.20
Projects in Design	92717	9-12	1	6	0.50	0.00

## VISUAL ARTS COURSES

COURSE	COURSE NUMBER	REC. GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Hon. Portfolio Prep	93209/93309	12	1 or 2	6	0.50/1.00	0.50
Drawing	93409	9-12	1	6	0.50	0.00
Drawing II	93509	9-12	1	6	0.50	0.50
Design & Comp.	93609	9-12	1	6	0.50	0.00
Painting	93709	10-12	1	6	0.50	0.20
Hon. Painting II	93809	10-12	1	6	0.50	0.50
Ceramics	94109	9-12	1	6	0.50	0.20
Ceramics II	94209	9-12	1	6	0.50	0.50
3 D Design	94309	10-12	1	6	0.50	0.20
Art & Computer	94409	9-12	1	6	0.50	0.00
Art Talent 9	94609	9	1	6	0.50	0.20
Art Talent 10	94809	10	1	6	0.50	0.20

## MUSIC COURSES

COURSE	COURSE NUMBER	GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Music Technology	95815	9-12	1	6	0.50	0.20
Music Appreciation	95109	9-12	1	6	0.50	0.00
Pop Music	95214	9-12	1	6	0.50	0.00
Voice Class I	95309	9-12	1	6	0.50	0.20
Voice Class II	95714	9-12	1	6	0.50	0.20
History of Music	95409	9-12	1	6	0.50	0.20
History of Jazz	95509	9-12	1	6	0.50	0.20
History of Rock and Roll	95610	9-12	1	6	0.50	0.20
Music Theory I	97717	9-12	1	6	0.50	0.20
Music Theory II	97817	10-12	1	6	0.50	0.50

History of Broadway	95717	10-12	1	6	0.50	0.20
Chorus	97114/97214	9-12	2	2	0.40	0.00
Chorale	97814/97914	9-12	2	1	0.20	0.00
Band/Instrumental Lessons	97310/97320	9-12	2	6 S1 / 3 S2	0.80	0.00
Jazz Band	97509	9-12	1	3	0.20	0.00

### ADDITIONAL COURSES

COURSE	COURSE NUMBER	GRADE LEVEL	NUMBER OF SEMESTERS	PDS. PER CYCLE	CREDITS PER YEAR	CREDIT WEIGHT
Independent Study	00109/00209	10-12	1 or 2	6	0.50/1.00	0.20-0.50
Enrichment	00309/00409	9-12	1 or 2	6	0.50/1.00	0.20-1.00
Applied Eng. Lang. Arts I	00509/00609	9-12	1 or 2	6	0.50/1.00	0.00
Applied Eng. Lang. Arts II	00711/00714	10-12	1 or 2	6	0.50/1.00	0.00
Applied Eng. Lang. Arts III	00712/00612	11-12	1 or 2	6	0.50/1.00	0.00
Applied Eng. Lang. Arts IV	00713/00813	12	1 or 2	6	0.50/1.00	0.00
Freshman Seminar	00709	9	1	6	0.50	0.00
Applied Consumer Math I	45411/45511	9-11	2	6	1.00	0.00
Applied Consumer Math II	45412/45512	10-12	2	6	1.00	0.00
Applied Consumer Math III	45612/45712	11-12	2	6	1.00	0.00
Applied Consumer Math IV	45615/45715	12	2	6	1.00	0.00
Ind. Healthy Living Skills I	00814Z/00914Z	9-12	2	6	0.50/1.00	0.00
Ind. Healthy Living Skills II	01215Z/01315Z	9-12	2	6	0.50/1.00	0.00
Transition Seminar	00809	11-12	1	6	0.50	0.00
Applied Micro. Off. Skills	70109Z	9	1	6	0.50	0.00
Applied Phys. Science	00117/00217	9	2	6	1.00	0.00
Applied Biology	00317/00417	10	2	6	1.00	0.00
Applied Lab Science	00517/00617	11-12	2	6	1.00	0.00
Applied Environ. Sci.	00717/00817	11-12	2	6	1.00	0.00
Develop. Am. Hist. & Gov.	00909HG/00910HG	9-12	2	6	1.00	0.00
Develop. World Cult.	00909WC/00910WC	9-12	2	6	1.00	0.00
Applied Am. History I	00118/00218	9	2	6	1.00	0.00
Applied Am. History II	00318/00418	10	2	6	1.00	0.00
Applied World Cult.	00518/00618	11	2	6	1.00	0.00
Applied American Gov.	00718/00818	12	2	6	1.00	0.00
Employment Skills I	00909PV/00910PV	9-12	2	6	1.00	0.00
Employment Skills II	00911PV/00912PV	9-12	2	6	1.00	0.00
Employment Skills III	00913PV/00914PV	9-12	2	6	1.00	0.00
Employment Skills IV	00915PV/00916PV	9-12	2	6	1.00	0.00
Community Based Instr. I	00700CB/00710CB	9-12	2	6	1.00	0.00
Community Based Instr. II	00711CB/00712CB	9-12	2	6	1.00	0.00
Community Based Instr. III	00713CB/00714CB	9-12	2	6	1.00	0.00
Community Based Instr. IV	00715CB/00716CB	9-12	2	6	1.00	0.00
Internship	01318/01418	11-12	1-4	6	0.50/2.00	0.00/0.50
Cooperative Ed. (Co-Op)	01309/01409	11-12	1-4	6	0.50/2.00	0.00/0.50
STC Program	81009/82009	9-12	1	full day program	2.00/3.00	0.00/0.50
Schuylkill Diversified Occ.	83016/84016	12	1 or 2	6	1.00/2.00	0.00/0.50

## **XIX. COURSE DESCRIPTIONS**

All courses are described in paragraph form in the following section of the Program of Studies. Each course is further identified in the following manner.

43709/43809 AP CALCULUS  
(A) (B)

Prerequisite (C)	Credit Weight (D)	Course Credit (E)	Level (F)
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(A) Course Number

(B) Course Title

(C) Previous course/grade needed to schedule this course

(D) Weighted level assigned to course

(E) Amount of credit earned by successfully completing the course

(F) R - indicates the course is computed for class rank, GPA, and honor roll

M - not computed for class rank or GPA, but may be included in calculations for honor roll

## ENGLISH OFFERINGS

### 11109/11209 ENGLISH I

Credit Wt.	Credit	Level
0.00	1.00	R

The course emphasizes the examination and application of key literary terminology to several genres of writing. Units are based around genres ranging from short stories, novel, drama, poetry and non-fiction pieces. Students focus on analysis style of writing and build on the use of proper MLA format to examine literature by utilizing textual evidence, critical analyses and reader insight. Spelling, vocabulary and grammar are also assessed throughout the course. Speaking skills are developed through informal discussion and informative speeches.

### 11015 ENGLISH I

Prog. Req. STC	Credit Wt.	Credit	Level
	0.00	1.00	R

The course emphasizes strengthening basic listening, speaking, reading, and writing skills. Specific course content includes written and oral skills that apply to literary comprehension and analysis. Reading skills will be developed through selections including the short story, poetry, drama, and the novel. Spelling and vocabulary skills are utilized in the writing proponents of the course. Speaking skills are developed through informal discussion and a required demonstration speech.

### 11309/11409 COLLEGE PREPARATORY ENGLISH I

Recommended: English 8 Honors - 76% avg. English 8 – 85% avg.	Credit Wt.	Credit	Level
	0.20	1.00	R

Students will complete all the components of English I through the reading of higher level texts and stories. More independent reading is required of students at the CP level as well as additional writing assignments that practice higher order thinking skills. Students will build on the proper use of MLA format in their writing, at a faster pace. Spelling and vocabulary are aligned to the SAT.

### 11509/11609 HONORS ENGLISH I

Recommended: English 8 Honors - 93% avg. English 8 Adv. - 85% avg.	Credit Wt.	Credit	Level
	0.50	1.00	R

Students will complete all the components of CP English I. Students will read four additional novels to examine these key literary concepts throughout the school year (two in the summer and two in class). Students at the honors level complete more formal writing pieces that focus on complex ideas and concepts. Writing is used as the predominant means of assessing student understanding of the stories we are reading. Almost all of the reading at the honors level is done independently. Students will be held to the MLA writing standards for all writing pieces throughout the year. Students also receive a large portion of their grade based on class participation and are expected to lead class discussions as the course builds. **Students are responsible for completing required summer reading for this course. The summer reading list can be found on the high school webpage at [bmsd.org](http://bmsd.org).**

### 12109/12209 ENGLISH II

Recommended: English I	Credit Wt.	Credit	Level
	0.00	1.00	R

This course is designed to help students achieve competency in reading, use of language and writing/oral skills. Specific course content includes comprehending works of fiction and non-fiction, world literature, grammar, and intensive vocabulary work. In-depth reading is required in the forms of a novel, play, biographies, poetry, and selections of short stories. Writing skills are developed through creative writing in journals and essays. Speaking skills are developed through informal discussion, and a required informative speech. Near the completion of this course, all students will participate in the Keystone Literature exam.

<b>12009</b>	<b>ENGLISH II</b>				
	Recommended:	Prog. Req.	Credit Wt.	Credit	Level
	English I	STC	0.00	1.00	R

This course is designed to help students achieve competency in reading, use of language and writing/oral skills. Specific course content includes comprehending works of fiction and non-fiction, world literature, grammar, and intensive vocabulary work. In-depth reading is required in the forms of a novel, play, biographies, poetry, and selections of short stories. Writing skills are developed through creative writing in journals and essays. Speaking skills are developed through informal discussion and a required informative speech. Near the completion of this course, all students will participate in the Keystone Literature exam.

<b>12309/12409</b>	<b>COLLEGE PREPARATORY ENGLISH II</b>				
	Recommended:		Credit Wt.	Credit	Level
	CP English I		0.20	1.00	R

In addition to the English II curriculum, College Preparatory English II includes in-class and outside reading, written and/or oral presentations, formal and creative essays, intensive vocabulary work, an intensive review of grammar, and a larger study of world literature. Near the completion of this course, all students will participate in the Keystone Literature exam.

<b>12509/12609</b>	<b>HONORS ENGLISH II</b>				
	Recommended:		Credit Wt.	Credit	Level
	CP English I - 93% avg.		0.50	1.00	R
	Honors English I - 85% avg.				

The Honors English II course includes essentially the same organization, objectives, requirements, texts, resource materials and evaluation procedures as the College Preparatory English II course. In addition, the students will read additional novels, short stories, plays, biographies, and essays; complete lengthy writing assignments on these readings; and speak frequently in a seminar setting. This course is recommended only for those students who want to be challenged by a more ambitious course of study, take responsibility for their learning, and work well independently. **Students are responsible for completing required summer reading for this course. The summer reading list can be found on the high school webpage at [bmsd.org](http://bmsd.org).** Near the completion of this course, all students will participate in the Keystone Literature exam.

<b>13109/13209</b>	<b>ENGLISH III</b>				
	Recommended:		Credit Wt.	Credit	Level
	English II		0.00	1.00	R

The offering seeks to improve the skills of listening, speaking, reading, and writing as they apply to a vocational field. Specific course content will include a review of basic grammar and the mechanics of good writing. Practical spelling and vocational vocabulary will be stressed. Reading skills will be developed through selections from United States literature. When necessary, some remedial work in reading may be done. The student is taught to organize information and present a required speech of conviction.

<b>13009</b>	<b>ENGLISH III</b>				
	Recommended:	Prog. Req.	Credit Wt.	Credit	Level
	English II	STC	0.00	1.00	R

The offering seeks to improve the skills of listening, speaking, reading, and writing as they apply to a vocational field. Specific course content will include a review of basic grammar and the mechanics of good writing. Practical spelling and vocational vocabulary will be stressed. Reading skills will be developed through selections from United States literature. When necessary, some remedial work in reading may be done. The student is taught to organize information and present a required five-minute speech of conviction as well as compose a persuasive essay in the MLA format.

<b>13309/13409</b>	<b>COLLEGE PREPARATORY ENGLISH III</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP English II	0.20	1.00	R

The course offers students an opportunity to deepen their knowledge of American literature and provides a basis for developing concepts and ideas useful in either written or oral communication. There is an emphasis on rhetorical writing, critical thinking, and citing sources in the proper MLA format as well as a provision for a strong review of grammar to

sharpen skills needed in written and spoken composition. College vocabulary is stressed throughout the year. Students are required to produce a research paper on a literary subject to learn the correct procedures for developing the research paper. The student is taught to organize information. Each student shall present a required five-minute speech of conviction.

<b>13509/13609</b>	<b>HONORS ENGLISH III</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP English II - 93% avg.	0.50	1.00	R
	Honors English II - 85% avg.			

The Honors English III course includes essentially the same organization, objectives, requirements, texts, resource materials, and evaluation procedures as the CP English III course. In addition, students will read additional novels, short stories, plays, biographies, and essays; complete lengthy writing assignments on these readings with a focus on critical thinking skills; and speak frequently in a seminar setting and respond frequently to teacher-established online discussion forums. This course is recommended only for those students who want to be challenged by a more ambitious course of study, take responsibility for their learning, work well independently, and are considering Honors English IV or AP Literature and Composition in grade 12. **Students are responsible for completing required summer reading for this course. The summer reading list can be found on the high school webpage at bmsd.org.**

<b>14109/14209</b>	<b>ENGLISH IV</b>			
	Recommended:	Credit Wt.	Credit	Level
	English III	0.00	1.00	R

This course attempts to meet the language needs of students entering the work force upon graduation. Effort is made to help the student be more competent and feel more secure in his/her use of English as a tool of communication. Emphasis is placed on basic composition, vocabulary, literature, and verbal communication skills. Students may work on individualized related instruction, such as career qualification analysis, employer-employee and co-worker relationships, values appraisals, vocabulary and clerical aptitude tests, and a career profile analysis. Time will be devoted to an examination of the pros and cons of additional education or work after graduation. Students will read English novels/units, short stories, poems, biographical sketches, essays, and plays and respond through discussion, short papers, and essay responses to the materials read. In addition, speaking skills are developed through a required persuasive speech and class discussion.

<b>14309/14409</b>	<b>COLLEGE PREPARATORY ENGLISH IV</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP English III	0.20	1.00	R

In addition to the core educational components of English IV, this class focuses more on the demands placed on the college student. The course requires of the student a close examination of specific pieces and types of English literature, Greek drama, and contemporary essays. The student will be required to read several English novels, to write critical and analytical papers, to write essay examinations, and to discuss orally both as an individual and as part of a group, the materials read. In addition, the student will survey the development of the English language, review grammar as weaknesses develop, and work throughout the year on a college-oriented vocabulary program. The student will give a required speech of persuasion in an effort to improve communication and argumentative skills.

<b>14509/14609</b>	<b>HONORS ENGLISH IV</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP English III - 93% avg.	0.50	1.00	R
	Honors English III - 85% avg.			

In addition to the requirements for English IV and College Prep English IV, students will write and revise critical essays that explicate poetry, short prose narratives, and selected novels and plays. They are also required to discuss in a seminar setting, to make oral presentations and to critique each other's presentations. The students are responsible for completing required summer reading along with journal entries for each novel. Honors' students are also responsible for defining the given literary terminology and an illustration of each literary term. There is considerably more reading and writing involved with the Honors English IV course. The summer reading list can be found on the high school webpage at [bmsd.org](http://bmsd.org).

<b>14709/14809</b>	<b>ADVANCED PLACEMENT LITERATURE AND COMPOSITION</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP English II I- 93% avg.	1.00	1.00	R
	Honors English III - 85% avg.			

In addition to the requirements for English IV, College Prep English IV and Honors English IV, the Advance Placement students ARE REQUIRED to write a ten page research paper and take the College Board Advanced Placement Examination in Literature and Composition at their own expense. **Students are responsible for completing required summer reading for this course. The summer reading list can be found on the high school webpage at [bmsd.org](http://bmsd.org).** All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

<b>15115</b>	<b>PUBLIC SPEAKING</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course is designed to combine the practice and theory of the art of public speaking. The theory in this course is related to the combination of reading, gathering, organizing and presenting different types of minor and major speeches. Practicing the theory then happens when the student connects organizational methods to present different speeches that have organizational methods. Speeches in this course range from demonstration to persuasive and cover a wide variety of topics, which allows students to foster an ability to think off the cuff and improve his/her composure and self-confidence.

<b>15209</b>	<b>CREATIVE WRITING</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course, designed for students who enjoy reading and writing, aims to stimulate the imagination and to channel this imagination into the writing of creative pieces such as poems, short stores and non-fiction articles. Specific content includes the fostering of ideas, the intense study of words, the examination of the techniques of great writers, the imitation of the styles of professional writers, the development of personal style, and experimentation with new ways to express the human condition. In addition to the completion of a creative writing journal, the student will be required to keep a daily record of ideas, feelings, and events, and to submit creative writing assignments and papers. Students enrolled in this course must be able to work independently; also, they should be willing to participate in class discussions. At the end of the course, the student will be encouraged to prepare a manuscript to be submitted for publication.

<b>15409/15509</b>	<b>JOURNALISM</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	.50/1.00	R

With an emphasis on print journalism, students develop the traits typical and essential of all good writers and reporters as they develop an increasing awareness of their world. They achieve that goal through a mixture of instruction and production tied to the planning and writing of news, feature, sports, and opinion stories. The course is writing-project based. During the course, student jointly or independently plan and produce original stories of various types. They complete contributions for each issue of the school paper, district newsletter, and other publications. They use computer labs for word processing, digital photographs, graphic design, and other applications. Journalism students will write in the Associated Press style.

**11717 EFFECTIVE COMMUNICATION**

Credit Wt.	Credit	Level
0.20	0.5	R

Effective Communication specializes in identifying and using modern communication to exchange messages and information through both informal and formal means. Ultimately, students will define, identify, and apply effective interpersonal communication skills through various modes of oral presentation, small group communication, and written components. Emphasis will be placed on linking basic written and oral skills used to communicate in various settings for a successful completion of a common goal.

**11817 MEDIA STUDIES**

Credit Wt.	Credit	Level
0.20	0.5	R

Students will be examining the practices and theories associated with Mass Media. We will be examining the ways that media is produced, developed and delivered. We will examine topics such as advertising, news production, the internet, journalistic skills and careers in the media. Students will be understanding and utilizing media literacy skills throughout the course. Completion of this course is required for student enrollment TV Studio courses.

**11917 TV STUDIO I**

Prerequisite: Media Studies	Credit Wt. 0.20	Credit 0.5	Level R
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This one semester course will introduce students to the electronic media of video production with a focus on visual storytelling and writing for broadcast in a studio setting. They will learn various aspects of working in a TV studio and interviewing, including audio, lighting and effective camera techniques. Students will learn non-linear video editing with iMovie or equivalent program and how to prepare and distribute media online. Students must complete Media Studies before starting this course.

**11918 TV STUDIO II**

Prerequisite: TV Studio I	Credit Wt. 0.20	Credit 0.5 / 1.00	Level R
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This full-year course will continue to enhance student learning regarding to the electronic media of video production. A focus on visual storytelling and writing for broadcast in a studio setting will be intensified with larger, project based assignments. Additional aspects of working in a television studio and a variety of other skills connected with the studio will be utilized. Students will continue to edit in a non-linear fashion with either iMovie or another equivalent program and how to prepare media across different platforms. Students should complete TV Studio I before starting this course.

## SOCIAL STUDIES OFFERINGS

<b>21109/21209</b>	<b>AMERICAN HISTORY I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Social Studies 8	0.00	1.00	R

American History I traces the development of the United States from 1789 to 1900. Emphasis is placed on cultural, social, economic, and political aspects of our early history.

<b>21309/21409</b>	<b>COLLEGE PREPARATORY AMERICAN HISTORY I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Social Studies 8 Honors - 76% avg.	0.20	1.00	R
	Social Studies 8 - 85% avg.			

The College Preparatory American History I course traces the development of the United States from 1789 to 1900. Emphasis is placed on cultural, social, economic, and political aspects of our early history. Oral and written reports, bulletin boards and more complex homework assignments are integral parts of this course.

<b>21509/21609</b>	<b>HONORS AMERICAN HISTORY I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Social Studies 8 Honors - 93% avg.	0.50	1.00	R

The Honors American History I course is a preparatory course for AP United States History. The course covers all aspects of American History from the pre-colonial era (1490) to the end of Civil War Reconstruction (1877). Areas of social, political, economic, military and cultural history will be explored. The scope and sequence of this course is college level and demanding. Only students with the strongest background in social studies and writing should consider this course. Students will learn to write a thesis and to prove that thesis using knowledge of various historical sources and to present reasons and evidence clearly and persuasively in several essay formats. **Students will be required to complete a summer assignment which will be graded. An exam (including an essay) on that material will also be given the first week of the school year.**

<b>22109/22209</b>	<b>AMERICAN HISTORY II</b>			
	Recommended:	Credit Wt.	Credit	Level
	American History I	0.00	1.00	R

This course is a study of twentieth century American history through the study of events, personalities, concepts and movements that have shaped our people. The general approach is to use the textbook, worksheets, audio-visual materials, and history. Some Pennsylvania history and current events are integrated into this course.

<b>22117</b>	<b>AMERICAN HISTORY II (STC)</b>			
	Recommended:	Credit Wt.	Credit	Level
	American History I	0.00	1.00	R

The Vo-Tech American History 2 course is a semester long study of 20th century American History. The course covers all aspects of American History including areas of politics, economy, culture, military and foreign policy. Some events covered include the Stock Market Crash of 1929, World War 2, the Cold War, the Korean War, the Civil Rights Movement, the Vietnam conflict and the presidencies from Herbert Hoover through Bill Clinton. Some Pennsylvania History and current events are included in the course.

<b>22309/22409</b>	<b>COLLEGE PREPARATORY AMERICAN HISTORY II</b>			
	Recommended:	Credit Wt.	Credit	Level
	Amer. Hist. I	0.20	1.00	R

College Preparatory American History II is a course on the history of the United States in the twentieth century. The course of study includes key events, personalities, concepts and movements that have shaped the United States and its people. The general approach is to use the textbook, readings, worksheets, reports, audio-visual materials, and class discussions to gain a basic understanding of American history. Some Pennsylvania history and current events are included in this course. There is also one major project in this course.

**22509/22609 HONORS AMERICAN HISTORY II**

Recommended:	Credit Wt.	Credit	Level
CP Amer. History I - 93% avg.	0.50	1.00	R
Honors Amer. History I - 85% avg.			

The Honors American History II course includes essentially the same organization, objectives, texts, resource materials and evaluation procedures as CP American History II. In addition, the course provides a more extensive knowledge of 20<sup>th</sup> century American history and introduces students to some of the methodology used in the study of history. Higher level thinking skills will be introduced into the activities and discussion of course content. There are seven major projects in this course.

**23109/23209 WORLD CULTURES**

Recommended:	Credit Wt.	Credit	Level
American History II	0.00	1.00	R

The word culture in this course is used in its broadest sense to include the total way of living of a people – their geography, history, ways of making a living, their religion and values, their social organization, and their creative arts. Geographical areas and countries to be studied are Russia, Europe, Sino-Japanese areas, India, Southeast Asia, Middle East, Africa and South America.

**23117 WORLD CULTURES (STC)**

Recommended:	Credit Wt.	Credit	Level
American History II	0.00	1.00	R

The course in World Cultures is the study of a number of both Western and non-Western culture areas. Prior to the study of these culture areas, the global environment and the world today will be examined. The cultures areas to be studied include, but are not limited to Europe, the former Soviet Union, and East Asia. Within each of these areas, the region's geography, people, economic system, political system, society, and culture will be examined.

**23309/23409 COLLEGE PREPARATORY WORLD CULTURES**

Recommended:	Credit Wt.	Credit	Level
Amer. Hist. II	0.20	1.00	R

The word culture in this course is used in its broadest sense to include the total way of living of a people -- their geography, history, ways of making a living, their religion and values, their social organization and creative arts. The culture areas to be studied include, but are not limited to, Western Europe, Eastern Europe, East Asia, South Asia, Southeast Asia, Australia/Oceania, and the Middle East. Their role in international affairs will be examined. The study includes a look at major issues in these regions today such as the population problem, the food problem, economic development or lack of it, war and peace.

**23709/23809 ADVANCED PLACEMENT WORLD HISTORY**

Recommended:	Credit Wt.	Credit	Level
Prior yr. CP Soc. St.- 93% avg.	1.00	1.00	R
Honors Soc. St.- 85% avg.			

This is an AP level course focusing on all aspects of World History from prehistory through the Modern Age. The student will build on an understanding of history prior to 1000 C.E., and then will examine contacts between various world civilizations/societies up through the modern era. Students will investigate the many changes and causes of change that have appeared in the world framework. Students will also examine and compare world civilizations and societies in terms of the themes of the course. The class is designed to prepare students to be successful on the AP World History Exam and is to be considered a university level course in terms of its difficulty. Only top performing Social Studies students are recommended for the course. AP World History may be taken in place of World Cultures in 11<sup>th</sup> grade or as an elective in grades 11 or 12. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

**24109/24209 AMERICAN GOVERNMENT**

Recommended:	Credit Wt.	Credit	Level
World Cultures	0.00	1.00	R

The American Government course teaches the basic values on which the government of the United States rests, the principles which give it direction and the actual functioning of the governmental process. Special emphasis is placed on teaching the Constitution of the United States, the constitution of the state, and the structure and function of national, state and local governments. In addition to the text, films, bulletin board, newspapers, student reports, and current periodicals are used to keep the students aware of the contemporary issues of our country.

**24117 AMERICAN GOVERNMENT (STC)**

Recommended:	Credit Wt.	Credit	Level
World Cultures	0.00	1.00	R

The course in American Government is designed to present seniors with an educational experience that would enable each individual to deal with the duties and responsibilities of a concerned citizen in a democratic society. This course teaches that people are and should be the only source for all government action through education and that people will govern themselves wisely.

**24309/24409 COLLEGE PREPARATORY AMERICAN GOVERNMENT**

Recommended:	Credit Wt.	Credit	Level
World Cultures	0.20	1.00	R

The College Preparatory American Government course teaches students the basic values and philosophy of the United States government, the principles which guide our democracy, and the function and duties of the governmental branches. Specific emphasis is placed on the study of the Constitution of the United States, the Constitution of the Commonwealth of Pennsylvania, as well as the structure and function of the national, state and local governments. Finally, through the use of term papers, debates, bulletin boards, and current periodicals, an effort is made to make students aware of major issues facing the United States today.

**24509/24609 HONORS AMERICAN GOVERNMENT**

Recommended:	Credit Wt.	Credit	Level
CP World Cultures - 93% avg.	0.50	1.00	R
AP World History - 85% avg.			

The Honors American Government course includes essentially the same organization, objectives, texts, resource materials and evaluation procedures as the CP American Government course. In Addition, the course will require more rigorous application of activities and assignments with course content being covered in greater depth and at a more accelerated pace.

**25315/25415 ADVANCED PLACEMENT AMERICAN GOVERNMENT & POLITICS**

Recommended:	Credit Wt.	Credit	Level
CP World Cultures- 93% avg.	1.00	1.00	R
AP World History- 85% avg.			

The AP course in United States Government and Politics will provide students with an understanding of the theoretical perspectives, principles, explanations of various behaviors and outcomes, along with the processes of government and politics in United States. By utilizing factual information, general concepts, and an analysis of real world examples, students will explore six areas of study including I) constitutional underpinnings, II) political beliefs and behaviors, III) political parties, interest groups and mass media, IV) institutions of national government, V) civil rights and civil liberties, and VI) public policy. This course is taught at a college level and students should expect supplementary readings, data based questions, and multiple writing assignments. It also requires a familiarity with the various institutions, groups, beliefs, and ideas, as taught in American History I & II, that constitute the political process and governing the United States. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP exams are administered in May of each school year.

**24709/24809      ADVANCED PLACEMENT UNITED STATES HISTORY**

Prerequisite:	Credit Wt.	Credit	Level
Honors Hist. I	1.00	1.00	R

This advanced placement course in United States History is a continuation of 9<sup>th</sup> grade Pre-AP United States History (Honors American History I). The course covers all aspects of American History from the end of Civil War Reconstruction (1877) through the Beginning of the 21<sup>st</sup> Century. Students will examine and compare different eras of American History in terms of specific themes of the course set by the College Board. Advanced Placement US History is to be considered a university level course in terms of its difficulty. The scope and sequence of this course is extremely demanding and only students with the strongest background in social studies should consider this course. The specific Advanced Placement skills (analyzing historical documents, formulating/proving a thesis in several essay formats, etc.) learned in the Honors American History I course are highly recommended to continue in this course. All students enrolled in this course will be required to complete the AP Exam developed by the College Board. AP exams are administered in May of each school year.

**26016/26116      ADVANCED PLACEMENT ART HISTORY***Elective 11 & 12*

Recommended:	Credit Wt.	Credit	Level
CP World Cultures - 93% avg.	1.00	1.00	R
AP World History - 85% avg.			

The AP Art History course is designed to allow students to examine minor forms of artistic expression (painting, sculpture, architecture, photography) from both Western and non-Western cultures across a wide variety of time periods from prehistory through to the present. In this course, students will look at pieces of art, understand how they were made, by whom, and for what reasons. Students will also acquire an ability to examine works of art critically and to articulate their thoughts and experiences with pieces of art. The course focuses on 250 individual pieces of art from the traditions of Europe, Africa, South Asia, China, Japan, Native America, Islam, and Pacific Island peoples. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

**25109      PSYCHOLOGY***Elective 11 & 12*

Credit Wt.	Credit	Level
0.20	0.50	R

This is an elective course offered to students who want a better understanding of human behavior. The course is divided into four major units and a smaller unit. The first unit includes an introduction to psychology and the methods of psychological study. The second unit deals with the principles of learning and ways of making learning more efficient. A third unit is concerned with the study and measurement of personality. In addition, a psychology project must be completed in the form of an experiment, demonstration or display. The final unit relates to the study of stress, behavioral disorders, and their treatment. Career options in the field of psychology are also briefly explored in this course.

**25209      SOCIOLOGY***Elective 11 & 12*

Credit Wt.	Credit	Level
0.20	0.50	R

Sociology involves the study of human relationships and examines the way people interact with each other. Several units are covered. Unit one deals mainly with the tools, concepts, and techniques used in understanding the field of sociological research. Unit two deals with people and their world. The purpose is to study existing cultures and the rules that people live by. Unit three focuses on socialization processes, social groups, social stratification, minorities and human ecology for students to gain a better understanding of minorities in our existing American social system. Unit four's purpose is to learn unstructured behavioral patterns and the use of mass communication along with public propaganda in our society. Units five and six deal with social institutions that include a family structure, education, religion, economy, government, civil rights, rural and urban problems, crime and juvenile delinquency, poverty and the youth rebellion. This seminar-type class involves lectures, films, text references, and various types of student participation.

<b>21717</b>	<b>CONTEMPORARY EVENTS AND HUMANITIES</b>	Credit Wt. 0.20	Credit 0.50	Level R
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Students will analyze current events on the local, state, national, and international levels and explore ties to humanities topics, such as history, economics, psychology, and sociology. This introductory semester course will introduce students to later, more in-depth courses and emphasize inter-personal skills.

<b>25118</b>	<b>COMPARATIVE RELIGIONS</b>	Credit Wt. 0.20	Credit 0.50	<i>Elective 11 &amp; 12</i> Level R
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To emphasize the differences and similarities between the belief systems of various peoples across the globe, this course will explore the major religions of the world, including their major religious texts, doctrines, customs, and artistic expressions, presented in order to increase the student's range of understanding and respect for other faiths. Special emphasis is placed on those Eastern and Western faiths to which a significant portion of the world's peoples is devoted. Hinduism, Buddhism, Confucianism, Taoism, Islam, Christianity, Judaism, Shinto, Sikhism, as well as alternative religious paths (Scientology, Wicca, Falun Gong, etc.) will be major components of the course. In addition, the student is presented with daily practices as well as the theory behind each belief system.

<b>25218</b>	<b>HISTORY OF GENOCIDE</b>	Credit Wt. 0.20	Credit 0.50	<i>Elective 11 &amp; 12</i> Level R
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The History of Genocide course will attempt to understand the historical roots, immediate causes, implementation, and aftermath of various acts of state-sponsored violence throughout history. The course will be a comparative study of genocide as it occurred throughout the globe, including a particular focus on genocide in Armenia (1915-1917), Ukraine (1933-1945), Cambodia (1976-1979), Rwanda (1994), Bosnia (1995), and Darfur (2003 – Present). The course will utilize secondary sources from historians as well as primary records of events from both the perpetrators and victims, in an attempt to answer profound questions about human behavior and human nature.

## SCIENCE OFFERINGS

### 31109/31209    **PHYSICAL SCIENCE/LAB**

Recommended:	Credit Wt.	Credit	Level
8 <sup>th</sup> Grade Science	0.00	1.00	R

Physical science enables a student to learn about the rules of the physical world in the following areas – chemistry and physics. This course is to provide students with the framework and skills necessary for those continuing education or entering vocations where such knowledge will be important. Students will be introduced to the content of the course on a mathematical and conceptual level. The physics part of the course will look at the laws of motion, energy, electricity, heat, sound and light. The chemistry portion will look at the elements, chemical bonding and chemical reactions. Students will be expected to participate in laboratory exercises and problem solving.

### 34015            **PHYSICAL SCIENCE/LAB**

Recommended:	Prog. Req.	Credit Wt.	Credit	Level
8 <sup>th</sup> Grade Science	STC	0.00	1.00	R

Physical science enables a student to learn about the rules of the physical world in the following areas – chemistry and physics. This course is to provide students with the framework and skills necessary for those continuing education or entering vocations where such knowledge will be important. Students will be introduced to the content of the course on a mathematical and conceptual level. The physics part of the course will look at the laws of motion, energy, electricity, heat, sound and light. The chemistry portion will look at the elements, chemical bonding and chemical reactions. Students will be expected to participate in laboratory exercises and problem solving. It is required for students enrolled in the Schuylkill Technology Center.

### 31309/31409    **COLLEGE PREPARATORY PHYSICAL SCIENCE/LAB**

Recommended:	Credit Wt.	Credit	Level
Science 8 Honors - 76% avg.	0.20	1.00	R
Science 8 - 85% avg.			

This course is designed for the student who is considering continued education after high school or who has a strong interest in science. Physical science enables a student to learn about the rules of the physical world in the following areas – chemistry and physics. This course is to be used as a precursor for the chemistry and physics courses offered junior and senior year. Students will be introduced to the content of the course on a mathematical and conceptual level. The physics part of the course will look at the laws of motion, energy, electricity, heat, sound and light. The chemistry part will look at the elements, chemical bonding and chemical reactions. Students will be expected to participate in laboratory exercises and problem solving.

### 31509/31609    **HONORS PHYSICAL SCIENCE/LAB**

Recommended:	Credit Wt.	Credit	Level
Science 8 Honors - 93% avg.	0.50	1.00	R
Principles of Algebra 8 - 93% avg.			
Honors Algebra I – 85% avg.			

This course is designed for the advanced student or those who have an exceptional interest and ability in science. Physical science enables a student to learn about the rules of the physical world in the following areas – chemistry and physics. This course is to be used as a precursor for the chemistry and physics courses offered junior and senior year. Students will be introduced to the content of the course on a mathematical and conceptual level. The physics part of the course will look at the laws of motion, energy, electricity, heat, sound and light. The chemistry part will look at the elements, chemical bonding and chemical reactions. Students will be expected to participate in laboratory exercises and problem solving. As an honors course, the student will be expected to cover the content in greater depth and at a more accelerated pace.

<b>32112</b>	<b>BIOLOGY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	Physical Science	0.00	1.00	R

Biology provides a basis for the understanding of the fundamental characteristics of living organisms. The course will cover the characteristics of living organisms, structure and function, heredity, microbiology and basic human anatomy and physiology. The Pennsylvania Standards for biological science will be emphasized. This course is intended for students not planning on science as a major or vocation. Following the successful completion of this course, students will be prepared to take the state-mandated Keystone Exam in Biology.

<b>32309</b>	<b>COLLEGE PREPARATORY BIOLOGY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Phys. Science	.20	1.00	R
	Physical Science - 93% avg.			

This course provides a basis for the student to understand the fundamental structure, function, heredity, evolution and organization of living organisms. The Pennsylvania Standards for Biological Sciences will be emphasized. The rigors of this course are intended to prepare students to cope with the expectations of higher education. Following the successful completion of this course, students will be prepared to take the state-mandated Keystone Exam in Biology.

<b>32509/32609</b>	<b>HONORS BIOLOGY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Phys. Science - 93% avg.	0.50	1.50	R
	Honors Phys. Science - 85% avg.			

This course is recommended for the advanced student. It is also a prerequisite recommended for any student who may decide to elect the anatomy and physiology and/or AP biology electives. The organization, objectives, texts, resource materials and evaluation procedures of this course are somewhat similar to the college preparatory biology course. Some learning activities, content changes and experimentation have been added to enhance the special emphasis of an enriched course that is needed to prepare the student for further biological or scientific studies. Following the successful completion of this course, students will be prepared to take the state-mandated Keystone Exam in Biology.

<b>33109</b>	<b>CHEMISTRY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	Biology	0.00	1.00	R

The organization of the course presents a general investigation of matter and related topics as well as how chemistry is connected to society. The course will begin with properties, phases, and the general model of the atom. It will then investigate the forces involved in forming ionic and covalent compounds. It will also cover the classification of chemical reactions and the energy changes related with those reactions. This course is offered for students who may choose a career that is not related to science or as a major vocation.

<b>33309</b>	<b>COLLEGE PREPARATORY CHEMISTRY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Biology	0.20	1.00	R
	CP Algebra II			

The organization of the course presents, through a rational, mathematical and hands-on laboratory approach. The investigation of matter and related topics. The course will begin with the general properties of matter, such as the basic phases, through construction of the atom, to the details of the electron. It will also investigate the nomenclature and forces involved in forming compounds, both ionic and covalent, as well as the stoichiometric, classification and energy associated with chemical reactions. It may also include investigation of acid/base chemical relationships.

<b>33115/33215</b>	<b>HONORS CHEMISTRY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Biology – 93% avg.	0.50	1.50	R
	Hon Biology – 85% avg.			
	CP Alg. II – 93% avg.			
	Hon. Alg. II – 85% avg.			

This course is intended to give a foundation of the principles of chemistry and to develop basic laboratory technique. The principles will include an introduction to matter, proper measurement techniques, atomic theory, nomenclature, patterns in chemical reactions. Avogadro's number and stoichiometry, solution composition and stoichiometry, thermochemistry, electronic structure of atoms, periodic properties, basic concepts of bonding and molecular geometry, gas behavior, intermolecular forces, colligative properties of solutions, chemical kinetics, chemical and acid-base equilibrium, and electrochemistry.

<b>33709/33809</b>	<b>ADVANCED PLACEMENT CHEMISTRY/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Biology – 93% avg.	1.00	1.50	R
	Hon Biology – 85% avg.			

This course is intended to give an in-depth understanding of the principles of chemistry and to develop basic laboratory technique. The principles will include proper measurement techniques, with an overview of solution composition and stoichiometry. Additionally, the course will include in-depth study of thermochemistry, electronic structure of atoms, periodic properties, basic concepts of bonding and molecular geometry, gas behavior, intermolecular forces, chemical kinetics, chemical and acid-base equilibrium, buffers and the common-ion effect, entropy, Gibbs free energy, and electrochemistry. The final unit of the course will be to specifically prepare students for taking and passing the AP Chemistry Exam. Course content and objectives are established by the College Board Advanced Placement Program.

<b>35109/35209</b>	<b>GENERAL LABORATORY SCIENCE</b>			
	Recommended:	Credit Wt.	Credit	Level
	Biology	0.00	1.00	R

This course covers applications of general science that connect to the real world and everyday life. It is especially designed for junior and senior students who do not plan to pursue a career in science. Topics are included from all fields of science in the Pennsylvania Science Standards: life science, physical science, earth science, and environmental science. The course is an activity-oriented program that allows students to utilize a variety of problem-solving skills in the world of technology. Themes from those activities range from investigations into various vocational industries to management of the valuable natural resources of the environment. Students are expected to participate in laboratory exercises.

<b>33009</b>	<b>GENERAL LABORATORY SCIENCE</b>			
	Recommended:	Prog. Req.	Credit Wt.	Credit
	Biology	STC	0.00	1.00
				Level
				R

This science course is required of pupils who have chosen to enroll in the Schuylkill Technology Center. It covers applications of general science that connect to the real world and everyday life. Topics are included from all fields of science in the Pennsylvania Science Standards: life science, physical science, earth science, and environmental science. This course is an activity-oriented program that allows students to utilize a variety of problem-solving skills in the world of technology. Themes from those activities range from investigations into various vocational industries to management of the valuable natural resources of the environment. Students are expected to participate in laboratory exercises.

<b>34309/34409</b>	<b>COLLEGE PREPARATORY PHYSICS /LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Geometry	0.20	1.00	R

CP Physics is an algebra-based physics course that covers topics including mechanics, dynamics, rotational motion, work, power, energy, electricity, waves, light, and optics. Compared to AP Physics I or Honor Physics, there will be less emphasis on laboratory work; however, a limited number of lab activities will be performed. The level of mathematical rigor will also be less than that of Honors or AP Physics I, but students should still have a basic mathematical knowledge that includes algebra and geometry.

<b>34115/34215</b>	<b>HONORS PHYSICS/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Geom. - 93% avg.	0.50	1.50	R
	Honors Geom. - 85% avg.			

Honors Physics is an algebra-based physics course designed for students who desire acceleration in the field of physics. The topics covered in this class include mechanics, dynamics, rotational motion, work, power, energy, electricity, waves, light, and optics. The course also has a strong emphasis on laboratory work, providing a mixture of both structured lab activities and inquiry-based lab activities. The object of this course is to gain an understanding of basic physical principles and the application of those principles in solving problems. Students enrolled in the course should have a background in mathematics, including algebra and geometry.

<b>34714/34814</b>	<b>ADVANCED PLACEMENT PHYSICS I/LAB</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Algebra III/CP Trig.- 93% avg.	1.00	1.50	R
	Honors Pre-calculus - 85% avg.			

AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course also requires that at least 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry –based investigations that will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

<b>35310/35410</b>	<b>COLLEGE PREP ANATOMY &amp; MICROBIOLOGY/LAB</b>			<i>Elective 11 &amp; 12</i>
	Recommended:	Credit Wt.	Credit	Level
	Health	0.2	1.00	R
	CP Bio/Lab –80% avg.			

This course is an elective offered to students who are considering a career in a health-related field. The course will be divided into two major areas – anatomy and microbiology. The content will include basic anatomical and physiological studies on the human body, with emphasis placed on specific systems. A basic overview of microbiology will also be examined through a biological understanding of microbes to an immunological awareness. The course is organized through a systematic approach which will include laboratory exercises that correspond to the specific topics addressed.

<b>35509/35609</b>	<b>HONORS HUMAN ANATOMY &amp; PHYSIOLOGY/LAB</b>			<i>Elective 11 &amp; 12</i>
	Recommended:	Credit Wt.	Credit	Level
	Health	0.50	1.00	R
	CP Biology/Lab- 90% avg.			
	Honors Biology/Lab- 85% avg.			

This course is an elective offered to those who are considering careers in a health-related field. The text contains more than sufficient material to provide the students with a strong, introductory knowledge of human anatomy and physiology. The course organization follows a systematic approach to anatomy and physiology. Each unit first presents the structural background of the system followed by a discussion of the system's physiology to provide an understanding of the biological processes. A final section of pathology provides continuity for illustrating the relationship of homeostasis and the human body. Laboratory experiences are stressed and organized to correspond with the units in the text. Course content is kept current through a variety of class activities.

<b>35709/35809</b>	<b>ADVANCED PLACEMENT BIOLOGY/LAB</b>			<i>Elective 11 &amp; 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	CP Biology	1.00	1.50	R
	Recommended:			
	CP Biology – 90% avg.			
	Honors Biology – 85% avg.			
	Concurrent or completed CP or AP Chem.			

AP Biology is offered as an elective to college bound students who are considering majoring in the Biological sciences or Allied Health Fields. The content and objectives of this course have been approved by the College Board. Students taking this course should expect the same rigor and expectations as a college freshman would experience. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year. A copy of the course syllabus is available upon request.

<b>36514/36614</b>	<b>ENVIRONMENTAL SCIENCE</b>			<i>Elective 11 &amp; 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Biology	0.00	1.00	R

The major goal of this course is to provide students with the opportunity to become more knowledgeable, skilled, and dedicated citizens who work both individually and in groups to achieve equilibrium between quality of life and preservation of the environment. Since environmental quality has a direct effect on the quality of life and humans are the main controllers of that environment, it is imperative to educate future citizens with environmental awareness, knowledge, and understanding through the use of text, case studies, and hands-on activities. This course shall impress upon students the ideology that improvement of our environment is necessary for successes of present and future human generations. Instruction in this course includes all aspects of the environment: natural, technological, social, economic, political, cultural, aesthetics, and their interdependence. Through the primary use of concrete, direct experiences, the instruction includes the following competencies: natural resource conservation, ecological concepts, physical and biological factors of the environment, human environmental interactions, applications to society, citizen involvement, problem resolution, the relationship of science, technology, and society, and problem-solving skills. An environmental science course is inclusive of ecological, conservation, and outdoor education programs.

<b>36709/36809</b>	<b>ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE/LAB</b>			<i>Elective 11 &amp; 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	CP Biology	1.00	1.00	R
	Recommended:			
	CP Biology – 85% avg.			
	Honors Biology – 85% avg.			
	Concurrent or completed CP or AP Chem.			

AP Environmental Science is offered as an elective to college bound students who are considering majoring the Environmental sciences or other Allied fields. The content and objectives of this course have been approved by the College Board. Students taking this course should expect the same rigor and expectations as a college freshman would experience. Many colleges offer credit for a score of 4 or 5 (5 being the highest) on the AP Exam. A copy of the course syllabus is available upon request. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

<b>32711</b>	<b>COLLEGE PREP GLOBAL SUSTAINABILITY</b>			<i>Elective 10, 11, &amp; 12</i>
	Recommended:	Credit Wt.	Credit	Level
	Physical Science	0.20	.50	R

This course will begin by covering the causes of the current “crisis of sustainability.” The effect of the Industrial Revolution and Green Revolution will be discussed. Population growth and issues involved, changes in farming, fishing, and urbanization will be explored. The effects of these changes on the quality and quantity of our soil, water, and natural resources is an important theme in the class. As developing countries such as China and India seek the living standards of western countries, this course will examine the individual consumption of all countries and how global standards can be raised and/or maintained in a sustainable manner. Issues involved with global climate change will be explored in depth. Finally, students will study solutions to current global sustainability issues, including conservation efforts and energy innovations. The culmination of this course will be the development of an action plan for individual and community change to address problems of sustainability.

<b>31717</b>	<b>INTRODUCTION TO S.T.E.M.</b>	Credit Wt. 0.20	Credit 0.5	Level R
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Introduction to S.T.E.M (Science, Technology, Engineering & Math) provides hands-on opportunities that introduce students to topics related to science, math and engineering. In this semester course, students will work through the scientific process using a variety of technology-based research and presentation tools to report their findings. Activities are focused around theme related content using resources and actions to help students develop individual and teamwork skills. They will also cover several areas, such as how to: (1) apply engineering design, (2) use processes to produce artifacts and systems, (3) use devices, tools and systems safely and appropriately, and (4) assess impacts on society and the environment

<b>34318</b>	<b>HONORS ORGANIC CHEMISTRY</b>			<i>Elective 12</i>
	Prerequisite: Honors Chemistry	Credit Wt. 0.50	Credit 0.5	Level R

This course is designed to provide an introduction to college level organic chemistry. It is intended for students that have had CP, Honors, or AP Chemistry and for those that plan to major in a science field in college. We will study organic nomenclature, the relationship between functional groups and molecular structure, the major classes of reactions, reaction mechanisms, synthesis of organic molecules, as well as various spectroscopic techniques. We will also become familiar with names and functions of organic chemistry laboratory glassware. Labs will be done when appropriate based on availability of materials, time, and relevance to the curriculum.

<b>33318</b>	<b>INTRODUCTION TO EARTH / SPACE SCIENCE</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt. 0.00	Credit 0.5	Level R

This course is designed to provide an understanding of Earth and Space science. It is intended for students of all ability levels. We will study tectonics and internal Earth processes, Earth materials and surface processes, a history of the Earth and its life-forms, along with Earth's atmosphere and hydrosphere. Additionally we will study Astronomy topics including the Earth-Moon-Sun relationship, characteristics of our solar system, characteristics of stars and the processes that occur within them, and theories about the origin of the universe. I also plan to include any current events involving global climate discussions as well as astrological observation opportunities in our night sky.

## MATHEMATICS OFFERINGS

<b>40114/40214</b>	<b>ALGEBRA I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Math 8	0.00	1.00	R

This first course in algebra is meant to prepare the student for further study in algebra and geometry. The course follows the SAS guidelines and the preparation of the course culminates with the students taking the Keystone Exam in Algebra I. Topics to be studied include operations on real numbers, solving linear equations, solving linear inequalities, functions, coordinate geometry, data analysis, and polynomials.

<b>40314/40414</b>	<b>COLLEGE PREPARATORY ALGEBRA I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Principles of Algebra 8	0.20	1.00	R

This first course in algebra is meant to prepare the student for further study in algebra and geometry. The course follows the SAS guidelines and the preparation of the course culminates with the students taking the Keystone Exam in Algebra I. Topics to be studied include operations on real numbers, solving linear equations, solving linear inequalities, functions, coordinate geometry, data analysis, and polynomials. Students taking this course will be expected to cover course content in greater depth than the Algebra I course.

<b>40514/40614</b>	<b>HONORS ALGEBRA I</b>			
	Recommended:	Credit Wt.	Credit	Level
	Principles of Algebra 8 - 93% Avg.	0.50	1.00	R

This first course in algebra is meant to prepare the student for further study in algebra and geometry. The course follows the SAS guidelines and the preparation of the course culminates with the students taking the Keystone Exam in Algebra I. Topics to be studied include operations on real numbers, solving linear equations, solving linear inequalities, functions, coordinate geometry, data analysis, and polynomials. Students taking this course will be expected to cover course content in greater depth and at a more accelerated pace than the College Preparatory Algebra I course. In addition, other topics may be introduced as part of this course.

<b>41114/41214</b>	<b>ALGEBRA II</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra I	0.00	1.00	R

This second course in algebra is meant to further the student's study of algebra and prepare the student for geometry. The course follows the SAS guidelines. Topics to be studied include operations on real and complex numbers, working with non-linear expressions, solving non-linear equations, functions and graphing, data analysis, and polynomials.

<b>41314/41414</b>	<b>COLLEGE PREPARATORY ALGEBRA II</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra I	0.20	1.00	R
	Recommended:			
	CP Algebra I			

This second course in algebra is meant to further the student's study of algebra and prepare the student for geometry. The course follows the SAS guidelines. Topics to be studied include operations on real and complex numbers, working with non-linear expressions, solving non-linear equations, functions and graphing, data analysis, and polynomials. Students taking this course will be expected to cover course content in greater depth than the Algebra II course.

<b>41514/41614</b>	<b>HONORS ALGEBRA II</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	CP Algebra I	0.50	1.00	R
	Recommended:			
	Honors Algebra I - 85% avg. or CP Algebra I – 93% avg.			

This second course in algebra is meant to further the student’s study of algebra and prepare the student for geometry. The course follows the SAS guidelines. Topics to be studied include operations on real and complex numbers, working with non-linear expressions, solving non-linear equations, functions and graphing, data analysis, and polynomials. Students taking this course will be expected to cover course content in greater depth and at a more accelerated pace than the College Preparatory Algebra II course. In addition, other topics may be introduced as time allows.

<b>42109/42209</b>	<b>GEOMETRY</b>			
	Recommended:	Credit Wt.	Credit	Level
	Algebra II	0.00	1.00	R

This course employs an interactive, workplace-centered approach to learning geometric concepts. It is ideal for contextual learners. Geometric concepts are introduced, practiced, and applied in the context of the workplace. Students are encouraged to become active learners as they interact with the text to discover how a concept works, while increasing their capacity for problem solving. This course does not include the rigor of the CP Geometry course, but covers many of the same concepts including points, lines, planes, angles, congruence, triangles, circles, area, volume, right angle relationships, and similarity.

<b>42309/42409</b>	<b>COLLEGE PREPARATORY GEOMETRY</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Algebra II	0.20	1.00	R

CP Geometry is a course designed to develop logically deductive reasoning. It involves the study of the basic geometric figures, which include points, lines, planes, triangles, circles, parallelograms and other polygons. It also emphasizes the use of proofs, the right triangle relationships, the calculation of perimeter, area and volume, and the relationship of arcs and angles in circles.

<b>42509/42609</b>	<b>HONORS GEOMETRY</b>			
	Recommended:	Credit Wt.	Credit	Level
	CP Algebra II - 93% avg. or Hon Algebra II - 85% avg.	0.50	1.00	R

Honors Geometry is a college preparatory course designed to develop logically deductive reasoning. It involves the study of the basic geometric figures, which include points, lines, planes, triangles, circles, parallelograms and other polygons. It also emphasizes the use of proofs, the right triangle relationships, the calculation of perimeter, area, and volume, the relationship of arcs and angles in circles, and the use of coordinate geometry. Students in the Honors Geometry course will be expected to cover course content in greater depth and at a more accelerated pace than the CP Geometry course. In addition, other topics may be introduced as time permits.

<b>43114</b>	<b>ALGEBRA III</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra II	0.00	0.50	R
	Recommended:			
	Geometry			

Algebra III is a semester course designed to provide students with the fundamental algebraic concepts and skills necessary for the further study of mathematics and other related subjects. The course begins with a brief, but solid review of algebra skills from previous courses and then dives deeper into linear algebraic concepts, quadratic equations, and other topics of importance.

<b>43214</b>	<b>STATISTICS &amp; PROBABILITY</b>			
	Recommended:	Credit Wt.	Credit	Level
	Algebra II	0.00	0.50	R

Statistics and probability is a course designed to develop the mathematical concepts involved in the analysis, interpretation, and presentations of masses of numerical data. It will include the study of the fundamental counting rule, permutation, combinations, probability, set theory, Venn diagrams, frequency distributions, sampling, and analysis of data.

<b>43314</b>	<b>COLLEGE PREPARATORY ALGEBRA III</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra II	0.20	0.50	R
	Recommended:			
	CP Geometry			

College Preparatory Algebra III is a semester course designed to provide students with the fundamental algebraic concepts and skills necessary for the further study of mathematics and other related subjects. The course begins with a brief, but solid review of algebra skills from previous courses and then dives deeper into linear algebraic concepts, quadratic equations, and other topics of importance. Students enrolled in this course will be expected to cover material in greater depth and at a faster pace than the Algebra III course.

<b>43414</b>	<b>COLLEGE PREPARATORY TRIGONOMETRY</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra II	0.20	0.50	R
	Recommended:			
	CP Geometry			

Trigonometry is a semester course designed to provide students with the fundamental trigonometric concepts and skills necessary for the further study of mathematics and other related subjects. Trigonometry is designed to insure that students will master the trigonometric skills and concepts necessary for use in future mathematics courses and in related disciplines.

<b>43509/43609</b>	<b>HONORS PRE-CALCULUS</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	CP Alg. II	0.50	1.00	R
	Recommended:			
	CP Alg. II – 90% avg.			
	Honors Alg. II – 80% avg.			
	CP/Hon. Geom. or Concurrent with CP/Honors Geometry			

Honors Pre-calculus is a mathematics course designed to prepare the college preparatory student for calculus. Initially, fundamental algebraic and geometric principles are reviewed. Next, the course emphasizes various functions and their graphs, including quadratic, polynomial, exponential, logarithmic, circular, and trigonometric functions.

<b>43711/43811</b>	<b>ADVANCED PLACEMENT CALCULUS AB</b>			<i>Elective 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Honors Pre-calculus	1.00	1.00	R

Calculus is offered as a major elective course for college preparatory students who have demonstrated a high-level of achievement in mathematics. The intent of this course is to present the theoretical structure of calculus as simple as possible without excessive concern about subtleties. The course is problem-oriented and designed for a combined analytic geometry-calculus course that covers limits, derivatives, integrals, and problem solving applications of polynomial, exponential, logarithmic, and trigonometric functions. Students in the AP Calculus AB course will be required to take the AP Calculus AB Exam developed by the College Board.

<b>44709/44809</b>	<b>ADVANCED PLACEMENT STATISTICS</b>			<i>Elective 11&amp;12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	CP Algebra II	1.00	1.00	R

This course is designed as an elective for college preparatory students who have demonstrated high-level achievement in mathematics. Topics of discussion will encompass descriptive and inferential statistics to include sampling and survey techniques, descriptive statistics, probability, counting methods, the normal curve and its applications, confidence intervals, hypothesis testing, and regression analysis. In addition to normal course work, the students will be expected to complete a statistical survey project related to the course. Students in the AP Statistics course will be required to take the AP Statistics Exam developed by the College Board.

<b>44511/44611</b>	<b>COLLEGE PREP STATISTICS</b>			<i>Elective 11 &amp; 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Algebra II	0.20	1.00	R
	Recommended:			
	CP Algebra II			

College preparatory statistics is a course designed to develop the mathematical concepts involved in the analysis, interpretation, and presentation of masses of numerical data. The course will cover the two branches of statistics: descriptive and inferential. During the first semester, topics to be covered include the study of surveys and experimental design, measures of central tendency, dispersion, and position, analysis of data, counting principles, discrete and continuous probability distributions. During the second semester, topics to be covered include sampling, hypothesis testing, linear regression and regression analysis.

<b>44609</b>	<b>DISCRETE MATHEMATICS</b>			<i>Elective 11 &amp; 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	CP Alg. II	0.20	0.50	R

This semester course is designed as an elective for the serious math student. The course will explore the following units: logic, set theory, functions, relations, matrices, sequence and series, recursion, inductive proof, graph theory, and trees. This course is intended for students planning post-secondary study in mathematics, science and computer science fields.

<b>42916</b>	<b>MATH AND TECHNOLOGY</b>			<i>Elective 10, 11, 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	CP Algebra I	0.20	0.50	R

This semester course for 10<sup>th</sup> – 12<sup>th</sup> grade students will be a problem solving oriented class using discovery learning. Students will study probability and data analysis, work with formulas, problem solve, and critically write to enhance their mathematics communications skills. The class will focus on applications of technology (computers and graphing calculators) in order to meet the requirements of the course.

<b>42816</b>	<b>SAT TEST PREP</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Alg. II	0.20	0.50	R

This elective course is for eleventh grade college preparatory students to provide a systematic method for preparing for the PSAT, SAT, or ACT. The course will consist of study materials by experienced educators along with comprehensive sample examinations for each type of test. Students will learn effective test-taking strategies to maximize efficiency on the mathematics and verbal sections of the SAT exams. With these experiences in his/her backgrounds, the student should be able to approach the PSAT, SAT, or the ACT with confidence. One nine week period will focus on the mathematics test skills and the other nine week period will focus on the verbal test skills. As the college entrance tests change, course content will be updated.

## PHYSICAL EDUCATION AND HEALTH OFFERINGS

### 50109 PHYSICAL EDUCATION I

Credit Wt.	Credit	Level
0.00	0.30	M

This physical education program helps students develop a healthy lifestyle that includes appropriate activities, knowledge and attitudes for all stages of life. The primary goal of this course is to provide instruction that will guide students in their quest for a lifetime of fitness and the pursuit of learning through movement, activity, training, and play. This course provides an opportunity for students to perform in a variety of competitive sports, both individual and team. This course will meet 4x a cycle for a semester.

### 50209 PHYSICAL EDUCATION II

Credit Wt.	Credit	Level
0.00	0.50	M

This physical education program helps students develop a healthy lifestyle that includes appropriate activities, knowledge and attitudes for all stages of life. The primary goal of this course is to provide instruction that will guide students in their quest for a lifetime of fitness and the pursuit of learning through movement, activity, training, and play. This course provides an opportunity for students to perform in a variety of competitive sports, both individual and team. Additionally, this course is built around health and skill-related fitness components and will be addressed through a number of activities, current training principles, and game play. This course will meet 6x a cycle for a semester.

### 50218 PHYSICAL EDUCATION II

Credit Wt.	Credit	Level
0.00	0.50	M

This physical education program helps students develop a healthy lifestyle that includes appropriate activities, knowledge and attitudes for all stages of life. The primary goal of this course is to provide instruction that will guide students in their quest for a lifetime of fitness and the pursuit of learning through movement, activity, training, and play. This course provides an opportunity for students to perform in a variety of competitive sports, both individual and team. Additionally, this course is built around health and skill-related fitness components and will be addressed through a number of activities, current training principles, and game play. This course will meet 3x a cycle for a year.

### 50314 PHYSICAL EDUCATION III/IV

Credit Wt.	Credit	Level
0.00	0.50	M

This physical education program helps students develop a healthy lifestyle that includes appropriate activities, knowledge and attitudes for all stages of life. The primary goal of this course is to provide instruction that will guide students in their quest for a lifetime of fitness and the pursuit of learning through movement, activity, training, and play. The students will also analyze the application of game strategies for different categories of physical activities to include individual, team, and lifetime sports. This course will meet 6x a cycle for a semester.

### 50317 PHYSICAL EDUCATION III/IV

Credit Wt.	Credit	Level
0.00	0.50	M

This physical education program helps students develop a healthy lifestyle that includes appropriate activities, knowledge and attitudes for all stages of life. The primary goal of this course is to provide instruction that will guide students in their quest for a lifetime of fitness and the pursuit of learning through movement, activity, training, and play. The students will also analyze the application of game strategies for different categories of physical activities to include individual, team, and lifetime sports. This course will meet 3x a cycle all year.

**ADAPTED PHYSICAL EDUCATION**

Recommended:	Credit Wt.	Credit	Level
	0.00	0.40	M

State law requires that all students be enrolled in a course of physical education. Adapted physical education is specifically designed to fit the needs of individual students who are unable to participate in the regular physical education program because of specific limitations as determined by a physician, the school nurse, or the physical education instructor.

**52209 HEALTH**

Credit Wt.	Credit	Level
0.00	0.50	R

This course covers anatomy and physiology, and the various diseases and medical problems related to each system. This course also helps the student understand some of the personality and emotional changes that occur during adolescence and how to cope with these issues. In addition, the areas of bullying, drugs, alcohol, tobacco, human sexuality, sexually transmitted diseases and AIDS are covered. This class will meet 6x per cycle for a semester.

**53311 INTRODUCTION TO SPORTS MEDICINE**

*Elective 10 - 12*

Recommended:	Credit Wt.	Credit	Level
Health – 85% avg.	0.20	0.50	R

This is an elective course designed for students interested in the fields of athletic training, physical therapy, occupational therapy, fitness, exercise physiology, kinesiology, nutrition and other health care fields. The course will introduce basic sports medicine concepts including prevention, recognition, evaluation, immediate care and rehabilitation of athletic injuries. Students will be exposed to the sciences within the allied health professions and have an opportunity to apply their knowledge in real world situations. This class will meet 6x per cycle for a semester.

**DRIVER EDUCATION OFFERINGS**

**52309 DRIVER EDUCATION**

Credit Wt.	Credit	Level
0.00	0.20	M

The theory or classroom phase of driver education is that part of the course in which basic concepts of safe driving are taught. These basic concepts consist of a knowledge of the rules of the road, of forces of nature that affect driving, of basic maneuvers needed for driving, and of the development in each student of a good attitude toward driving. The course will meet 2x per cycle for a semester.

**BEHIND THE WHEEL**

Credit Wt.	Credit	Level
0.00	0.00	M

Behind-the-wheel driver education is the practical part of the course and teaches those skills needed to operate a vehicle safely on our highways. This phase of the course is voluntary and is offered to all students who have a valid operator's permit or license and have successfully completed the 30 hours of theory. The student is offered six hours of behind-the-wheel training. The training is scheduled during the summer. There is a registration fee for this course.

## WORLD LANGUAGE OFFERINGS

<b>62109/62209</b>	<b>FRENCH I</b>	Credit Wt.	Credit	Level
		0.20	1.00	R

French I is geared toward proficiency in communication, comprehension, and comparisons between French and English. The language is presented within the context of the contemporary French-speaking world by focusing on culture, customs, and traditions in French-speaking communities. Students learn to communicate effectively and express themselves with confidence. Students who earned at least 80% in a level I course must schedule the level II course or level I of an alternate language.

<b>62309/62409</b>	<b>FRENCH II</b>	Credit Wt.	Credit	Level
	Prerequisite: French I	0.20	1.00	R

French II offers the student an opportunity to continue learning the grammar and the vocabulary of the language. It also provides a more extensive study of the various French-speaking cultures and civilizations. The language skills of communication, comprehension, and culture combine with the standards of comparison, connections and communities to enhance the student's proficiency in the language.

<b>62509/62609</b>	<b>HONORS FRENCH III</b>	Credit Wt.	Credit	Level
	Prerequisite: French II	0.50	1.00	R

Honors French III is intended to refine and increase the ability of the student to express himself/herself in the French language through the use of appropriate conversational and written materials. Honors French III marks the beginning of increased cultural study that includes the reading of short stories and presentations on the life of the French-speaking people.

<b>62709/62809</b>	<b>HONORS FRENCH IV</b>	Credit Wt.	Credit	Level
	Prerequisite: Honors French III	0.50	1.00	R

In Honors French IV, the student applies the skills acquired during the first three years. The student is given greater opportunity for oral and written expression. Cultural study centers on great works of writers, as well as on the history of France, thus enabling the student to make the transition from reading simplified French to more advanced material. **Students scheduling level IV or V courses may be expected to work independently with advisement by the instructor if these courses are scheduled with other levels given student requests and teacher availability.**

<b>63109/63209</b>	<b>HONORS FRENCH V</b>	Credit Wt.	Credit	Level
	Prerequisite: Honors French IV	0.50	1.00	R

Honors French V offers to the student an opportunity to enhance the skills acquired during the first four years. The student is given a greater opportunity for oral and written expression. Cultural study centers on nineteenth and twentieth century literary works and current events in French history and society, thus enabling the student to excel in any further study of French on the collegiate level. **Students scheduling level IV or V courses may be expected to work independently with advisement by the instructor if these courses are scheduled with other levels given student requests and teacher availability.**

**63312/63412    ADVANCED PLACEMENT FRENCH**

Prerequisite:	Credit Wt.	Credit	Level
Hon French IV	1.00	1.00	R

Students enrolled in Advanced Placement French will have completed the prerequisite of three levels of French. The AP French Language and Culture course is designed to promote proficiency in French and exploration of the French culture in contemporary and historical contexts. The course will incorporate themes of global challenges, science and technology, contemporary life, personal and public identities, families and communities and beauty and aesthetics. Instructional content will reflect interests shared by students and the teacher, such as arts, current events, literature, and sports. In addition to textbooks, materials might include websites, podcasts, films, newspapers, magazines, and literature. The course develops language skills that can be applied beyond this French course into further French study and everyday life. All students enrolled in this course will be required to complete the AP exam developed by the College Board. AP Exams are administered in May of each school year.

**64109/64209    SPANISH I**

Credit Wt.	Credit	Level
0.20	1.00	R

Spanish I is geared toward proficiency in communication, comprehension, and comparisons between Spanish and English. The language is presented within the context of the contemporary Spanish-speaking world by focusing on culture, customs, and traditions in Spanish-speaking communities. Students learn to communicate effectively and express themselves with confidence. Students who earned at least 80% in a level I course must schedule the level II course or level I of an alternate language.

**64309/64409    SPANISH II**

Prerequisite:	Credit Wt.	Credit	Level
Spanish I	0.20	1.00	R

Spanish II offers the student an opportunity to continue learning the grammar and the vocabulary of the language. It also provides a more extensive study of the various Spanish-speaking cultures and civilizations. The language skills of communication, comprehension, and culture combine with the standards of comparison, connections, and communities to enhance the student's proficiency in the language.

**64509/64609    HONORS SPANISH III**

Prerequisite:	Credit Wt.	Credit	Level
Spanish II	0.50	1.00	R

Honors Spanish III is intended to refine and increase the ability of the student to express himself/herself in the language through the use of appropriate conversational and written material. Grammar is expanded. Cultural study includes short stories and readings on the culture and life of Spanish-speaking people.

**64709/64809    HONORS SPANISH IV**

Prerequisite:	Credit Wt.	Credit	Level
Honors Spanish III	0.50	1.00	R

In Honors Spanish IV, the student applies skills acquired during the first three years. The student is given a greater opportunity for oral and written expression. Cultural study centers on great works of writers and statesmen, Hispanic legends, historical accounts, and articles on Hispanic cultural locations and customs as well as on current issues. All of the above enables the student to make the transition from reading simplified Spanish to more advanced material. **Students scheduling level IV or V courses may be expected to work independently with advisement by the instructor if these courses are scheduled with other levels given student requests and teacher availability.**

<b>65109/65209</b>	<b>HONORS SPANISH V</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Honors Spanish IV	0.50	1.00	R

Honors Spanish V offers to the student an opportunity to enhance the skills acquired during the first four years. The student is given a greater opportunity for oral and written expression. Cultural study centers on literary works, idiomatic expressions, and current events in Spanish, Mexican, Central and South American history and society, thus enabling the student to excel in any further study of Spanish on the collegiate level. **Students scheduling level IV or V courses may be expected to work independently with advisement by the instructor if these courses are scheduled with other levels given student requests and teacher availability.**

<b>65509</b>	<b>INTERNATIONAL BUSINESS</b>			<i>Elective 11 &amp; 12</i>
		Credit. Wt.	Credit	Level
		0.20	.50	R

International Business is a semester course that incorporates the areas of business and world language to provide students with a global knowledge of the world today. Among the topics to be covered are general knowledge about business, specifics about our global marketplace, communication in America versus foreign countries, and how cultures express language through media communication. This course is a joint venture between the Business and World Language Departments.

**BUSINESS EDUCATION AND COMPUTER OFFERINGS**

<b>70109</b>	<b>MICROSOFT OFFICE I</b>	Credit Wt.	Credit	Level
		0.20	.50	R

This course offers advanced training in the various components of Microsoft Office software; Word, Excel, and Publisher are used in this semester course. Students will use critical thinking skills to complete a wide variety of tasks that integrate the applications.

<b>70209</b>	<b>MICROSOFT OFFICE II</b>			<i>Elective 9 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Microsoft Office I	0.20	.50	R

This course continues the advanced training begun in Microsoft Office Components I. Access, PowerPoint, and Publisher are the primary programs used in this semester course. Software used in Microsoft Office Components I provide the secondary programs. Students will use critical thinking skills to complete a wide variety of tasks that integrate the applications.

<b>71309/71409</b>	<b>COMPUTER PROGRAMMING</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course is designed to introduce students to the fundamentals of computer programming. This course will teach basic programming concepts and will also provide all computer users with a better understanding of the capabilities of modern computers. Students will develop strong problem-solving skills and apply logical reasoning skills. Emphasis will be placed on proper programming technique and efficient problem-solving. Students will be introduced to object-oriented programming using selected computer languages. It is recommended that a student earn a final average of at least 80% for the first semester to see success in this course during the second semester.

<b>71509/71609</b>	<b>HONORS STRUCTURED COMPUTER PROGRAMMING WITH C++</b>			<i>Elective 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Computer Programming	0.50	1.00	R

Honors Structured Computer Programming is designed to expand upon what the student learns in Computer Programming. Students are asked to analyze problems and devise a plan (the program) to implement a solution using Visual C++.net. Students create programs for concepts (programming syntax and code examples) and application (a business-related problem). Students learn how to write programs using sequence, selection and repetition and structures as well as how to create and manipulate functions, classes, objects, sequential access files, and arrays.

<b>72509/72609</b>	<b>HONORS ACCOUNTING</b>			<i>Elective 10 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Principles of Acctg.	0.50	1.00	R

This full-year, honors level course will introduce students to basic personal and small business accounting principles and procedures, and will continue through more complex corporate accounting materials. Students will be able to experience basic and advanced accounting concepts through simulations, case studies, and computerized accounting procedures. This is an excellent course for students who will pursue a business major in their future.

<b>70516</b>	<b>COMPUTER APPLICATIONS</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course explores various areas of information technology. Subjects covered include Web Page design, the Internet, and various types of application software (including, but not limited to, Google Docs). Students use critical thinking techniques to apply theory to hands-on projects and modern-day scenarios.

<b>73509/73609</b>	<b>HONORS FINANCE AND ECONOMICS</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.50	1.00	R

The student taking this course will either be going to college to major in an area of business or want a more complete understanding of the world of finance and economics and their effect on each U.S. citizen. Among the Finance topics covered are the following items: Financial Assets, Financial Markets and the Investment Process, Financial Intermediaries and the Banking System (both domestically and globally), The Cost of Money, Business Organizations and the Tax Environment. Among the Economics topics covered are the following items: Money Management, Financial Security, Risk Management, and Consumer Rights and Responsibilities.

<b>72309</b>	<b>PRINCIPLES OF MARKETING</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Marketing is the study of the exciting process of creating a relationship between a product and a customer. This course is designed to acquaint the student with basic marketing concepts and procedures involved in developing an effective strategy to sell a product.

<b>65509</b>	<b>INTERNATIONAL BUSINESS</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

International Business is a semester course that incorporates the areas of business and world language to provide students with a global knowledge of the world today. Among the topics to be covered are general knowledge about business, specifics about our global marketplace, communication in America versus foreign countries, and how cultures express language through media communication. This course is a co-curricular course incorporating material taught in the Business and World Language Departments.

<b>72709/72809</b>	<b>BUSINESS ADMINISTRATION</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	1.00	R

This course is designed for the student who is considering pursuing business administration at either a two-year or four-year institution beyond high school. The content of the course includes studies in all areas of business. In addition, students learn entrepreneurial skills through the running of their own business.

<b>72409</b>	<b>PRINCIPLES OF ACCOUNTING</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Principles of Accounting is an introductory course designed to give students a fundamental knowledge of accounting. The focus of the course will be on a sole proprietorship for a service business. This course will be beneficial to the students on a personal level because it develops their critical thinking skills while teaching them to maintain their own financial records in the future. They will also be given enough subject matter in the course so they can decide if it is a career choice for them (in which case, the student will choose to take the advanced honors accounting course).

<b>71709/71809</b>	<b>Y.E.S. (YOUR EMPLOYABILITY SKILLS) [1-15]</b>		<i>Elective 10 - 12</i>
		Credit Wt.	Level
		0.20	R
		Credit	
		1.00	

This certificate course offers 120 hours of coursework that prepares students for the workforce. The certificate offered in the course is endorsed by many regional employers, and students completing the program are considered to be “preferred applicants” by employers throughout Pennsylvania. The Y.E.S. course prepares students for quality employment opportunities and provides the important “Foundation” of basic skills for success needed in any and every chosen career field. The certificate requirements are as follows: (1) 120 hours of curriculum training; (2) Minimum 95 percent attendance; (3) Passing a drug screening; (4) Passing the TABE Math and Reading Aptitude Tests; (5) Passing the Wonderlic Aptitude Test; and (6) Receiving a high school diploma. NOTE: This is a required course for STC students. Topics in the 1<sup>st</sup> half (Mods. 1-15) include personality development, teamwork, and communication. Personality Development involves challenge of change, time management, violence in the workplace, diversity/sexual harassment, entrepreneurship. Teamwork involves team effectiveness, assessment-personality values and style, goal setting, effective meeting skills. Communication involves all forms—verbal, nonverbal, active listening, giving and receiving feedback, writing skills, customer service, job-search skills. Students complete the Test of Adult Basic Education and Wonderlic Tests as a precursor to receiving the Northeast Manufacturers’ Association certificate. YES students participate in two field trips to local businesses and get to talk first-hand with business owners and/or human resources personnel. Several guest speakers are also provided throughout the semester.

<b>71709/71809</b>	<b>Y.E.S. (YOUR EMPLOYABILITY SKILLS) [16-30]</b>		<i>Elective 11 - 12</i>
		Credit Wt.	Level
		0.20	R
		Credit	
		1.00	

This certificate course offers 120 hours of coursework that prepares students for the workforce. The certificate offered in the course is endorsed by many regional employers, and students completing the program are considered to be “preferred applicants” by employers throughout Pennsylvania. The Y.E.S. course prepares students for quality employment opportunities and provides the important “Foundation” of basic skills for success needed in any and every chosen career field. The certificate requirements are as follows: (1) 120 hours of curriculum training; (2) Minimum 95 percent attendance; (3) Passing a drug screening; (4) Passing the TABE Math and Reading Aptitude Tests; (5) Passing the Wonderlic Aptitude Test; and (6) Receiving a high school diploma. NOTE: This is a required course for STC students. Topics in the 2<sup>nd</sup> half (Mods 16-30) include job search methods, creating resumes and references, and business letters including a cover letter. Students are also taught how to properly prepare for a job interview. Every student in the class will have a mock interview with an outside business person. Second semester of YES also includes lessons on time management, health and wellness, ergonomics, customer service and quality control. Students spend time learning personal finance strategies, including budgets and checking accounts. They are exposed to other areas like reading charts and graphs, six sigma and continuous improvement and the concept of paradigm shifting. YES students participate in two field trips to local businesses and get to talk first-hand with business owners and/or human resources personnel. Several guest speakers are also provided throughout the semester.

<b>71117</b>	<b>BUSINESS AND PERSONAL LAW</b>		<i>Elective 10 - 12</i>
		Credit Wt.	Level
		0.20	R
		Credit	
		0.50	

This course teaches law in its application to both business and personal situations. It supplements the business and economics topics presented in other courses by looking at the legal ramifications involved with typical business decision-making as well as providing an introduction to business law and ethics. Contracts, the role of the legal system, workplace laws, and consumer protection laws are discussed. The course also teaches students the importance of business ethics and social responsibility, which is a part of a person’s everyday life.

<b>71717</b>	<b>INTRODUCTION TO BUSINESS</b>		<i>Elective 9 - 12</i>
		Credit Wt.	Level
		0.20	R
		Credit	
		0.50	

As a student prepares for college and for life, he/she will be affected by business. This course touches on a variety of business topics including, but not limited to, basic business principles, student loans, mortgages, economics, personal finance, banking, interest rates, and managing your career. This practical business course will help students form a foundation for other business classes offer by the Business/Computer Department.

## TECHNOLOGY OFFERINGS

<b>90310</b>	<b>WOODWORKING TECHNOLOGY</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This semester course designed to give students the opportunity to research, design, calculate material needs, calculate cost, construct, and finish an individual woods project. Students will begin to examine basic joinery and their uses, and the study of lumber and the various species of lumber and how they relate to woodworking. Students will be responsible to pay for all materials.

<b>90318</b>	<b>WOODWORKING TECHNOLOGY II</b>			<i>Elective 10 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Woodworking Technology	0.20	0.50	R

This semester course will let students further explore woodworking concepts. The course will focus on advanced woodworking techniques such as dovetail joinery and raised panel construction. Students will begin to study furniture design and will be responsible for drafting, and then creating a piece of furniture from an original design. Students will be responsible to pay for all materials.

<b>90413</b>	<b>ARCHITECTURAL DESIGN</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This semester course is designed to develop a basic understanding of the behavior of constructed structures. In problem solving activities, students will develop, produce, use, and assess structures while studying architectural design, structural engineering, community planning concepts, and modern green building materials and procedures.

<b>90810</b>	<b>CONSTRUCTION TECHNOLOGY</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This semester course is designed to give students the opportunity to work in a group setting and learn about the various aspects of construction. Students will learn about the various parts of a house from the ground up starting with the foundation, then the floors, walls, and roofs. Various construction methods will be discussed as well as best practices in the field. Students MAY have the opportunity to build a large scale project for the school or outside entity.

<b>91213</b>	<b>PRE-ENGINEERING AND INNOVATION</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course will emphasize the fundamentals of mathematics, natural sciences, and engineering science to help students develop critical thinking and problem solving skills. It will integrate technological problem solving methods with knowledge of science, mathematics, communications, and other disciplines. Students will have the opportunity to research, design, develop build, test, and evaluate solutions to real life problems. This challenging course will better prepare students for the engineering profession and other related fields such as architecture, business management, and production control.

<b>91511</b>	<b>GRAPHIC COMMUNICATIONS</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This semester course provides a broad overview of communication systems. Print, light, audiovisual and electronic media will be studied as they relate to communications. The course will focus on digital design as well as numerous printing methods. Students will experience group and individual activities. Projects consist of: Adobe Illustrator, logo design, vinyl stickers, screen printing, digital photography, and animation.

<b>91613</b>	<b>TECHNICAL DRAWING/CADD</b>			<i>Elective 10 -12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course provides a strong background in traditional and computer aided drafting. Students will become familiar with traditional drafting tools and techniques then transition to CAD and three-dimensional modeling. Students will have an opportunity to design and test a Formula 1 CO<sub>2</sub> car using their drafting and design skills.

<b>91809</b>	<b>EXPLORING PHOTOGRAPHY</b>			<i>Elective 10 -12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This semester course provides students with experiences in traditional and digital photography. Students will develop working a working knowledge of photographic processes. Students will spend half the course working with traditional photography and the remainder working with digital photography. Projects include: photograms, constructing and using a pinhole camera, 35mm film developing, photo mounting, digital photo manipulation, negative scanning and photo touch-up.

<b>92114</b>	<b>DIGITAL MEDIA</b>			<i>Elective 10 -12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Students will receive in-depth instruction in numerous aspects of graphics. Projects include digital video production, animation, screen-printing, offset lithography, digital design web design, and digital portfolio development.

<b>93213</b>	<b>VEX AGILE ROBOTICS</b>			<i>Elective 10 -12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This course provides a fundamental understanding of the systems that make up robots. The students will apply knowledge of mathematics, science and technology to solve engineering problems. The course will focus on communicating ideas within a team to design an agile robot to accomplish tasks such as object handling, sport-like games, and robotic competitions within the class. Students will also learn to write some basic codes for programming a robot to run through a maze.

<b>91717</b>	<b>INTRODUCTION TO GRAPHIC ARTS</b>			<i>Elective 9 -12</i>
		Credit Wt.	Credit	Level
		0.20	0.5	R

Students will be introduced to a variety of printing and design techniques. Areas included (but are not limited to) beginning drafting, offset printing, screen printing, graphic design. Computers will be used to design projects and develop page layouts. Examples of student projects are the professional creation of business cards, letter heads, tickets, programs, t-shirt designs (which will be silk screened), all utilizing the printing methods listed above. A notebook / portfolio of each student's work is required to be kept by each student throughout the course.

<b>91817</b>	<b>INTRODUCTION TO MATERIALS PROCESSING</b>			<i>Elective 10 -12</i>
		Credit Wt.	Credit	Level
		0.20	0.5	R

This class will introduce students to the basics of drafting, and also the tools, materials, and technology used in woodworking. Students will be taught how to safely process materials from a rough state to a finished product. Manufacturing concepts such as brainstorming, planning, research, design, development, marketing, quality control, and mass production of a project will be emphasized. Projects will be graded on overall design, accuracy, workmanship, finishing processes, and student initiative / work ethic. Students will explore automated manufacturing techniques (CNC Machining) as time permits. Students will be required to pay for project materials.

**91917**

**MANUFACTURING ENTERPRISE**

Credit Wt.  
0.20

Credit  
0.5

*Elective 10 -12*  
Level  
R

This course provides students with an introduction to manufacturing technology. Students will examine the organization and management of manufacturing endeavors. The class chooses a design to pursue in the production of a product in a manufacturing enterprise situation which closely parallels the functions of a manufacturing corporation.

## FAMILY and CONSUMER SCIENCE OFFERINGS

<b>92309</b>	<b>CHILD DEVELOPMENT</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Child development is a study of a child from birth to about 3 years old – physically, emotionally, socially, and intellectually. An in depth study of pregnancy and the role of parents in the development and care of a child is also incorporated into the course.

<b>92409</b>	<b>EARLY CHILDHOOD EDUCATION</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course combines the later years of child development and early childhood ed. It is particularly helpful for students considering the teaching profession for pre-school through elementary levels. An overview of the physical, emotional, and social and intellectual development of the child from ages 4 to 6 helps the student understand the children with which they will be dealing. The student will learn practical techniques for guiding children through daily routines and managing behavior, to understand nutrition and health care for young children and to create a safe, healthy learning environment. The student will plan developmentally appropriate curriculum and develop strategies for involving parents in a child care program. Child development is not a prerequisite for this course but is recommended.

<b>92509</b>	<b>CULINARY ARTS I</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

Simple food preparation is covered in this course that begins with lessons on safety and sanitation, kitchen equipment, and cooking terminology. Food Preparation begins with dairy foods and egg products. Next, the basics of baking ingredients will be studied and practiced on quick breads, cookies and cakes. Other additional areas of study throughout the semester will include reading and understanding food labels, shopping for foods and convenience foods.

<b>92609</b>	<b>CULINARY ARTS II</b>			<i>Elective 9 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Culinary Arts I	0.20	0.50	R

This course involves more advanced food preparation skills. The course will begin with a study of nutrition, and weight control. Food preparation includes vegetarian foods, pastas and grain food including homemade pastas and ends with preparation of pies and pastries. Additional areas of study include meal planning and serving meals.

<b>92711</b>	<b>GLOBAL FOODS</b>			<i>Elective 9 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Culinary I	0.20	0.50	R

This course includes the study of American regional foods as well as International foods. Students will study the culture and customs of different areas and their influence on regional food choices. They will plan menus, study the etiquette of other lands, and celebrate traditional world holidays. Studying global foods will broaden students' horizons, encouraging them to try new foods and respect and appreciate the cultural diversity of people.

<b>92909</b>	<b>LIFE AFTER HIGH SCHOOL</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

The course is designed to help students prepare themselves for life after high school. It involves practical everyday living skills such as handling a checking account, understanding credit, identifying bank services, what to look for when buying or renting a place to live, and car shopping skills. Also the course summarizes the career selection process, types of insurances, and basic food shopping skills.

**92717**

**PROJECTS IN DESIGN**

Credit Wt.  
0.00

Credit  
0.50

*Elective 9 - 12*  
Level  
R

This course allows the students to express themselves in very creative ways. The course teaches and reviews basic construction techniques, such as sewing or pattern design. Students progress into projects, and they plan and complete projects in their design area.

## VISUAL ARTS COURSES

<b>93209/93309</b>	<b>HONORS PORTFOLIO PREPARATION</b>			<i>Elective 12 only</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Drawing or Design, Art Talent 9 or 10, Another art elective and Teacher Recommendation	0.50	.50/1.00	R

This course is intended for students who will need to prepare a portfolio for admission to a post-secondary art program. Assignments will be designed to produce a well-structured, comprehensive portfolio reflecting quality, concentration and breadth of experience. Sketchbook and journal writing will be required. It can be scheduled first semester or for a year (recommended).

<b>93409</b>	<b>DRAWING</b>			<i>Elective 9-12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This foundation course is designed as an in-depth study of basic drawing skills. Emphasis will be placed on observation, composition, and interpretation. Students will have experience in contour, gesture and emotive line drawing and will develop skills in shading, proportion and perspective. Sketchbook and journal writing will be required including discussion of art history and art criticism. **This course should not be scheduled by students who have successfully completed Art Talent 9 or 10.**

<b>93509</b>	<b>DRAWING II</b>			<i>Elective 10-12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Drawing, Art Talent 9 or 10	0.50	0.50	R

Drawing II is a continuation of Drawing, building upon the basic drawing skills learned. Students will develop their abilities in both observational and interpretive drawing, portraiture, figure drawing, and perspective, combined with experiences in various media. Through the study of masterworks and a variety of drawing styles ranging from realism to abstraction, students will be encouraged to develop their own personal style. Art criticism, art history, and both peer and self-assessment will be components of the course. Sketchbook and journal writing are required.

<b>93609</b>	<b>DESIGN and COMPOSITION</b>			<i>Elective 9-12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This foundation course is intended as an introduction to the elements and principles of design, color theory and composition. Students will work on a variety of assignments designed to introduce art media and techniques. Students will study and discuss art history and art criticism. Sketchbook and journal writing will be required. **This course should not be scheduled by students who have successfully completed Art Talent 9 or 10.**

<b>93709</b>	<b>PAINTING</b>			<i>Elective 10-12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Drawing, Design, or Art Talent 9 or 10	0.20	0.50	R

This course will introduce students to different painting techniques in a variety of media, including watercolor, acrylic, and oil. Paintings will be developed based on both observation and interpretation, with experience in different styles ranging from realistic to non-objective. Students will be required to discuss art history and art criticism as part of journal writing and sketchbook assignments.

<b>93809</b>	<b>HONORS PAINTING II</b>			<i>Elective 10-12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Drawing, Design, or Art Talent 9 or 10 and Painting	0.50	0.50	R

A continuation of Painting, students will gain an advanced understanding of various painting techniques through a variety of assignments focused on using acrylic, oil, watercolor and gel medium/collage. Studies in art history and criticism will serve to develop personal aesthetics. Sketchbook and journal writing will be required.

<b>94109</b>	<b>CERAMICS</b>			<i>Elective 9-12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Students will be introduced to clay as a medium and will learn the basic hand building techniques of pinch, coil, and slab. Students will also discuss art history and art criticism as an approach in the development of personal aesthetics. Sketchbook and journal writing will be required.

<b>94209</b>	<b>CERAMICS II</b>			<i>Elective 9-12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Ceramics	0.50	0.50	R

A continuation of Ceramics I, students will gain a better understanding of ceramic hand building techniques and finishing techniques through a variety of assignments focused on the methods of coiling, slab building and modeling. Studies in art history and criticism will serve to develop personal aesthetics. Sketchbook and journal writing will be required.

<b>94309</b>	<b>3D DESIGN</b>			<i>Elective 10-12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Drawing, Design, or Art Talent 9 or 10 or Teacher Rec.	0.20	0.50	R

This course will introduce students to sculpture as an art form. Emphasis will be placed on media and techniques in order to gain a working knowledge of sculptural materials. Three-dimensional works will be created from observation and interpretation, through the techniques of carving, modeling, and constructing. Studies in art history and criticism will serve to help students develop a personal aesthetic. Sketchbook and journal writing will be required.

<b>94409</b>	<b>ART AND THE COMPUTER</b>			<i>Elective 9-12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

Through the use of scanners, photography, digital software and the Internet, this course explores the potential of the computer as a medium for creative expression. Students will develop works of art in both traditional and digital mediums, with sketching acting as an important component in idea development. Journal writing, art criticism, and a sketchbook will be required.

<b>94609</b>	<b>ART TALENT 9</b>			<i>Elective 9</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Art Talent 8 or Portfolio Assessment and Teacher Recommendation	0.20	0.50	R

This foundation course is designed for serious art students with strong interest and background in the visual arts. Students will be introduced to a range of art media and techniques, with emphasis on the development of observational skills and the use of the elements and principles of design. Art history and art criticism will be integral parts of instruction. Research, journal writing, and a sketchbook will be required.

<b>94809</b>	<b>ART TALENT 10</b>			<i>Elective 10</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Art Talent 9 or Portfolio Assessment and Teacher Recommendation	0.20	0.50	R

This course is designed for serious art students and builds upon skills taught in Art Talent 9. Students will have the opportunity to work with a variety of media and techniques, both two dimensionally and three dimensionally, with an emphasis on design concepts. Art history and art criticism will be integral parts of instruction, and a sketchbook and journal will be required.

## MUSIC OFFERINGS

<b>95815</b>	<b>MUSIC TECHNOLOGY</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course is designed for any student with an interest in learning about technology and its relation to music and the music industry. Students will learn how to compose their own music through the use of digital music notation software, MIDI technology, and audio editing programs, with a focus on Garage Band. Students will make beats, compose their own music, and share their work with the class all while incorporating the musical elements into their projects. The course is open to anyone interested in learning more about music; no previous music experience is required.

<b>95109</b>	<b>MUSIC APPRECIATION</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This course will introduce the student to many facets of the musical world including the Broadway Theater, music of the movies, ballet, opera, instruments of the orchestra, the voice and the great composers. This is a beginner level course designed for the student with little or no previous musical experience.

<b>95214</b>	<b>POP MUSIC: DISCO TO DUBSTEP</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.00	0.50	R

This course will focus on the development of popular music from the height of the disco era in the late 1970s to current popular music trends. Students will be exposed to a wide variety of popular music genres and styles including Hip-Hop, R&B, Rap, Punk, Heavy Metal, Reggae, and Glam Rock. Students will explore the connections between popular music and cultural trends and historic events. They will be encouraged to listen to and experience music in new ways and to develop their own personal taste in music by exploring their favorite popular music artists.

<b>95309</b>	<b>VOICE CLASS I</b>			<i>Elective 9 - 12</i>
	Recommended:	Credit Wt.	Credit	Level
	Chorus	0.20	0.50	R

This course is designed for any student who is interested in developing their singing voice. Students will be expected to sing individually and as a group, while learning to sing with increased confidence, flexibility, and strength. Students enrolled in Voice Class are strongly encouraged to participate in Chorus. Areas of study will focus primarily on vocal production, fundamental music theory, aural skills, and proper diction. Students must be willing to sing in front of other students, critique other students' performances, and be critiqued themselves.

<b>95714</b>	<b>VOICE CLASS II</b>			<i>Elective 9 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Voice Class I	0.20	0.50	R

This course is a continuation of Voice Class I and is for students interested in further developing and refining their singing voice. Students in Voice Class II will pursue a more in-depth study of the voice through singing songs from memory and in foreign languages in primarily individual performances. Students will further their study of music theory and aural skills, while continuing to focus on vocal production, diction, and phonetics. Students must be willing to sing in front of other students, critique other students' performances, and be critiqued themselves.

<b>95409</b>	<b>HISTORY OF MUSIC</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course is for any student interested in a more in-depth look at the different stylistic periods of music history, the composers and their music. The student will get a guided tour of the types of music written by the composers of each era as well as historical background information on how people lived, work, and played. All periods of music history will be studied from the Middle Ages to the Twentieth Century.

<b>95509</b>	<b>HISTORY OF JAZZ</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

Whether you like to play jazz or just listen to it, this course is designed to introduce and expose any interested high school student to the roots of jazz and its role within American history. Both instrumental and vocal jazz genres will be studied. The course will center on the understanding of essential musical elements, evolution, forms, famous artists, and stylistic differences of the jazz idiom.

<b>95610</b>	<b>HISTORY OF ROCK AND ROLL</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course begins with a brief overview of the elements of music before moving on to the ancestors of rock and roll in the early 20<sup>th</sup> century. Pop music, Country and Eastern Music, Rhythm and Blues, and Folk Music (along with their cultural and economic ties) will be discussed, leading us into the emergence of rock and roll in the mid-1950's. Rock's transition into the 1960's will help us to understand how society can be influenced by music as the young genre fragments in various directions. We will discuss the Beatles, the British Invasion, Folk Rock, Soul Music, the musical developments in San Francisco, Jazz and Art Rock, and early Heavy Metal; each style having unique characteristics that lay the foundation for the music of today.

<b>97717</b>	<b>MUSIC THEORY I</b>			<i>Elective 9 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This is a semester course designed for both musicians and non-musicians who wish to gain a better understanding of how music functions. Students will learn how to read and analyze music, count rhythms, and identify musical sonorities by ear through the study of musical notation, key signatures, chords, intervals, sight-singing, and ear training. Information gained in this course can be applied to the study of vocal and instrumental music, and serve as a launch-pad for basic musical composition skills.

<b>97817</b>	<b>MUSIC THEORY II</b>			<i>Elective 10 - 12</i>
	Prerequisite:	Credit Wt.	Credit	Level
	Music Theory I	0.50	0.50	R

This is a semester course designed for students with a basic background in music that expands on the information studied in Music Theory I. Students will have more in-depth opportunities for musical analysis and composition, learning specifically about chord qualities, inversions, and progressions and how they relate to musical form. Emphasis will be placed on proper compositional techniques used in four-part writing. The study of transposition and instrument ranges will allow students to arrange their own compositions for various musical ensembles outside of the vocal realm.

<b>95717</b>	<b>HISTORY OF BROADWAY</b>			<i>Elective 10 - 12</i>
		Credit Wt.	Credit	Level
		0.20	0.50	R

This course will examine the history, philosophy, and significance of musical theatre by exploring the context and evolution of the Broadway musical throughout history, beginning with early American traditions like vaudeville and Ziegfeld's *Follies*, and continuing through the present day with shows like *Les Misérables*, *Phantom of the Opera*, and *Hamilton*. Students will have the opportunity to experience pivotal shows in the history of musical theatre and analyze their cultural and historical impact. All students, whether actors or not, are welcome in this course!

**97114/97214 CHORUS**

Credit Wt.	Credit	Level
0.00	0.40	M

Chorus is a course open to any student in grades 9 through 12 who enjoys singing and performance. The student must participate in both the Winter and Spring concerts given during the year. Chorus provides an enjoyable experience for the student while teaching the fundamentals of proper choral singing and voice development. Music selections are chosen primarily from the pop and musical theatre genres.

**97814/97914 CHORALE**

Recommendation: Chorus & Audition	Credit Wt. 0.00	Credit 0.20	Level M
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Participants in Chorale are chosen through an audition process in the month of September. Chorale is a course open to any student in grades 9 through 12, who successfully passes the audition and who enjoys singing and performance. Student must participate in Chorus to audition for Chorale. The student must perform in both the Winter and Spring concerts given during the year, in addition to Music in the Parks, a local Memorial Day performance, and caroling to local nursing homes in December. Chorale provides an enjoyable experience for the more serious vocal student, while teaching the fundamentals of proper singing and voice development through standard choral literature.

**97310/97320 BAND/INSTRUMENTAL LESSONS**

Recommendation: 8th grade	Credit Wt. 0.00	Credit 0.80	Level M
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This course is designed to offer students instrumental study through individual and group lessons; instrumental performance of various styles and genres of music in a symphonic band setting; and performance with the addition of visual movements, marching, and/or choreography in a limited marching band setting. After-school rehearsals (one day per week at the discretion of the director) and performances (all home football games, Halloween and Memorial Day Parades, Holiday Concert, Spring Concert, and graduation) are a requirement for students enrolling in this course. Students interested in a more advanced marching band experience may choose to audition for the competitive marching band, which is an extra-curricular activity. This ensemble will have a rigorous rehearsal schedule and will travel to competitions on a weekly basis during the fall.

**97509 JAZZ BAND**

Recommendation: Audition	Credit Wt. 0.00	Credit 0.20	Level M
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The Jazz Band is a small instrumental group that meets during period 9 of the second semester. The group is open to all instrumentalists who play instruments found in the traditional "Big Band" setting (Saxophone, Trumpet, Trombone, Guitar, Bass, Piano, and Percussion). Jazz Band endeavors to promote self-expression and creativity through both improvisation/individual effort and small group.

## ADDITIONAL COURSE OFFERINGS

### 00109/00209 INDEPENDENT STUDY

Prerequisite:	Credit Wt.	Credit	Level
3.0 GPA	0.20-0.50	0.50/1.00	M/R

The independent study courses are designed to allow the serious and capable student to choose a particular area of interest directly related to post-secondary goals and to pursue it on an independent basis. Students, after selecting their subject matter, must submit a detailed, written plan of objectives, content, and activities involved in the proposed study. The plan is submitted to the guidance counselor and must be approved by the principal and appropriate faculty advisor. Student-advisor conferences are arranged to guide the student and evaluate progress. Independent study courses must continue for a school year; however, two different studies, each valued at .50 per semester, are also acceptable. Courses that have been scheduled cannot be pursued as an independent study during a different class period. Courses that are not considered to be extensions of offered secondary courses must be approved by the Board of Education.

### 00309/00409 ENRICHMENT COURSES

Prerequisite:	Credit Wt.	Credit	Level
Gifted Program	0.20 – 1.00	.50/1.00	M/R

Enrichment courses are available to those senior students who qualify on the basis of determining criteria including class rank, GPA, test scores, and teacher recommendations. Students qualifying may take a college-level credit course in lieu of a senior subject provided that all high school courses in a particular discipline have been exhausted or for an AP course not offered due to insufficient enrollment. Enrichment courses may not be scheduled in conflict with high school courses. The selected course may be taken at the local campus of Pennsylvania State University or any approved college or university. Registration for the course and transportation are the responsibility of the student. Credits earned for college-level work will appear on all official school records, but will not be included in GPA and class rank unless approved. (See Gifted Program and Dual Enrollment for more details).

### 00509/00609 APPLIED ENGLISH LANGUAGE ARTS I/II/III/IV

Prerequisite:	Credit Wt.	Credit	Level
00711/00714 00712/00612 00713/00813 Individual Education Plan Spec. Ed.	0.00	.50/1.0	R

This course is based on the Pennsylvania Alternate English Language Arts Standards. It emphasizes knowledge in the areas of real life reading and writing skills.

### 45411/45511 CONSUMER MATHEMATICS I/II/III/IV

Prerequisite:	Credit Wt.	Credit	Level
45412/45512 45612-45712 45615-45715 Individual Education Plan Spec. Ed.	0.00	1.00	R

This course is designed to further the student's knowledge of real-life functional math skills. It provides an opportunity for students to learn how to cover their expenses after graduation by learning about using expense records, determining fixed and variable expenses, and calculating income and savings. It involves making and changing your budget and calculating yearly, monthly and weekly salary. Students also learn how to read a tax table to figure out refund or balance due. They also choose a bank that fits their needs and open up a checking and savings account. Assessments will include recall, skill/concept, strategic thinking and extended thinking style questioning. In subsequent courses, students will learn credit card math and how to apply for a loan. Emphasis is placed on earning money by computing weekly and annual gross and net wages, determining daily and weekly hours worked including overtime and determining wages for piecework.

### 00117/00217 APPLIED SCIENCE I/II/III/IV

Prerequisite:	Credit Wt.	Credit	Level
00317/00417 00517/00617 00717/00817 Individual Education Plan Spec. Ed.	0.00	1.00	R

This course is based on the Pennsylvania Alternate Science Standards. It covers physical science, biological science, general laboratory science, and environmental science. Students will gain knowledge in these areas emphasizing real life applications.

<b>00118/00218</b>	<b>APPLIED SOCIAL STUDIES I/II/III/IV</b>			
<b>00318/00418</b>	Prerequisite:	Credit Wt.	Credit	Level
<b>00518/00618</b>	Individual Education Plan Spec. Ed.	0.00	1.00	R
<b>00718/00818</b>				

This course is based on the Pennsylvania Alternate Social Studies Standards. It covers social studies in the areas of American History, Pennsylvania History, Cultures of the World and American Government. Students will gain knowledge in these areas that apply to real life applications.

<b>00909HG/00910HG</b>	<b>DEVELOPMENTAL SOCIAL STUDIES I/II</b>			
<b>00909WC/00910WC</b>	Prerequisite:	Credit Wt.	Credit	Level
	Individual Ed. Plan Spec. Ed.	0.00	1.00	R

This course is based on the Pennsylvania Alternate Social Studies Standards. It covers social studies in the areas of American History and American Government. Students will gain knowledge in these areas emphasizing real life applications.

<b>70109Z</b>	<b>APPLIED MICROSOFT OFFICE I</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Individual Education Plan Spec. Ed.	0.00	1.00	R

This course is based on the Pennsylvania Alternate Business Standards. It covers the various components of Microsoft Office software; Word, Excel, and Publisher emphasizing real life applications.

<b>00814Z/00914Z</b>	<b>INDEPENDENT HEALTHY LIVING SKILLS I/II</b>			
<b>01215Z/01315Z</b>	Prerequisite:	Credit Wt.	Credit	Level
	Individual Education Plan Spec. Ed.	0.00	1.00	R

This course is designed to assist students who have been identified as having a disability in reinforcing necessary skills for transitioning from high school to employment or post-secondary education and living independently. Skills and objectives to be covered include speaking and listening skills, interacting positively with others, self-care, nutrition and skills needed to live independently. Students will meet 5 days per 5-day cycle for the entire school year. The course will be instructed in small and large group settings. Evaluation will be based upon participation, small group projects and assignments. Skills and objectives to be covered in level II include interacting within places in the community, interacting with people in the community, safety skills within the community including computer and internet safety, getting along and working with others, social skills, character, personal life choices, communication skills, organization skills, problem solving, resource management and goal setting.

<b>00709</b>	<b>FRESHMAN SEMINAR</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Individual Education Plan Spec. Ed.	0.00	0.50	R

This course is designed to assist students who have been identified as having a disability in transitioning from middle school to high school. Skills and objectives to be covered include study skills, note taking, inter-personal skills, self-advocacy skills, positive attitude toward learning and change, organizational and problem solving skills, time management, use of prior knowledge in present experiences, career/vocational guidance and independent living skills. The course will be held 5 days per 5-day cycle for one semester during the 9<sup>th</sup> grade school year. The course will include small and large group instruction, guest speakers and workshops. Students will be evaluated on small group projects, assignments, and a completed beginning phase of a portfolio.

<b>00700PV/00710PV</b>	<b>COMMUNITY BASED INSTRUCTION I/II/III/IV</b>			
<b>00711PV/00712PV</b>	Prerequisite:	Credit Wt.	Credit	Level
<b>00713PV/00714PV</b>	Individual Education Plan Spec. Ed.	0.00	1.00	R
<b>00715PV/00716PV</b>				

Students who enroll in this course will participate in trips which will include social/leisure activities, as well as historical outings. The goal is for students to understand what their community has to offer and for them to demonstrate independence, promote safety, and follow directions when given by adults/chaperones.

<b>00809</b>	<b>TRANSITION SEMINAR</b>			
	Prerequisite:	Credit Wt.	Credit	Level
	Individual Education Plan Spec. Ed.	0.00	0.50	R

This course is designed to assist students in grade 11 or 12 in making plans for transitioning from high school to employment or post-secondary education. Skills and objectives to be covered include workplace skills and attitudes, interactions with others, habits of wellness, self-advocacy, resume writing, interviewing skills, job application preparation, basic finance skills, banking and money management strategies, accessing community resources, computer and internet skills, conflict resolution and communication skills. Students will meet 5 days per 5-day cycle for one semester during the 11<sup>th</sup> or 12<sup>th</sup> grade school year. The course will be instructed in small and large group settings and will include guest speakers and workshops in partnership with community agencies. Evaluation will be based upon small group projects, assignments, and a completed portfolio.

<b>00909PV/00910PV</b>	<b>EMPLOYMENT SKILLS I/II/III/IV</b>			
<b>00911PV/00912PV</b>	Prerequisite:	Credit Wt.	Credit	Level
<b>00913PV/00914PV</b>	Individual Education Plan Spec. Ed.	0.00	1.00	R
<b>00915PV/00916PV</b>				

This course is designed to assist the student’s knowledge of real-life functional skills necessary for transitioning from high school to the community. The major goal of this course is to provide students with the opportunity to become more knowledgeable, skilled, and dedicated citizens who work both individually and in groups. Skills and objectives to be covered include interacting within places in the community, interacting with people in the community, safety skills within the community including getting along, and working with others, social skills, character, personal life choices, communication skills, organization skills, problem solving skills, and goal setting. Students will participate in running an in-school coffee shop. Students will meet 5 days per week for the entire school year.

<b>01318/01418</b>	<b>INTERNSHIP</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.00 – 0.50	0.50 – 2.0	R

Internship programs offer students a “hands-on” opportunity to work in a desired field. Students will learn how their course of study applies to the “real world” and will build a valuable experience that makes them a stronger candidate for a job after graduation. An internship can be an excellent way to “try” out a certain career and is usually more of a temporary job, where students are rotated through a variety of departments. The duration of an internship is generally one semester and the number of hours can vary. Blue Mountain High School will be offering this opportunity for up to 2 periods per day (first thing in the morning or at the end of the afternoon), where the student will report to their internship (and will receive credit) – the same if they were in school taking a class. Students must have met or be currently enrolled in the necessary courses required for graduation. The internship program can yield between (0.5 – 2.0) credits upon successful completion of the program. Internships are available to current junior and senior students, and must relate to their current career academy area. A list of skills will be developed with the Co-op Education Coordinator and business entity prior to the internship. This list will determine the credit weighting of the internship (0.0 – 0.5). It is recommended that students be in good academic standing in order to participate in this program, or they must seek Principal approval. To enroll, see your Guidance Counselor or your school’s Co-op Coordinator.

<b>01309/01409</b>	<b>COOPERATIVE EDUCATION (CO-OP)</b>			<i>Elective 11 &amp; 12</i>
		Credit Wt.	Credit	Level
		0.00 – 0.50	0.50 – 2.0	R

Students must apply (and receive prior approval) to enter the Co-op Education program, and they must also meet the school requirements for graduation. They must meet with the Co-op Coordinator every week. Students can earn (0.5 – 2.0) credits for completing a successful Co-op program. They will be permitted to come in late or leave early for their job. A list of skills will be developed with the cooperative education coordinator and business prior to the internship. This list will determine the credit weighting of the internship (0.0 – 0.5). It is recommended that students be in good academic standing in order to participate in this program, or they must seek Principal approval. To enroll, see your Guidance Counselor or your school’s Co-op Coordinator.

## XX. SCHUYLKILL TECHNOLOGY CENTER PROGRAM OF STUDY (POS)

### SCHUYLKILL TECHNOLOGY CENTER CURRICULUM

81009	STC - S1	Credit Wt.	Program Credit	Level
82009	STC - S2	0.00 – 0.20	2.00 - 3.00	R

Students are selected for the Schuylkill Technology Center (STC) according to the approved selection policy as follows: Students may apply for admission to the STC as a 9<sup>th</sup> grade student. If a student would like to enroll into the STC program after the 9<sup>th</sup> grade year, they may not have more than one outstanding failure in Science, English, or Social Studies after summer credit recovery if necessary. Physical education and Algebra I must also be passed in ninth grade. A student will be withdrawn from the STC program for any of the following reasons: the student exceeds course failures that can be made up in summer school by the summer of the student's year of graduation; the student receives and "F"- as a final grade in a major subject, a student fails health or PE, or a student does not pass STC program credits.

The student who selects an offering of the STC program will spend 18 weeks in the STC building in Frackville or Mar-Lin and 18 weeks in the home school. Students will be required to complete the necessary courses for graduation from both STC and home schools. Because admission to the program is determined by quotas, all students who desire this training cannot always be admitted.

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 enrolled in levels I & II of an STC program will receive general credit weight (0.00). Students completing levels III & IV of an STC program will receive college preparatory credit weight (0.20). All Schuylkill Technology Center Programs of Studies have articulation agreements to various post-secondary/ higher education institutes, thus providing for advanced placement and advanced skill opportunities. More information regarding program of studies and articulation agreements can be obtained from Schuylkill Technology Center- Guidance Department at 570-544-4748 and 570-874-1034 or on the web at [www.stcenters.org](http://www.stcenters.org)

The Carl D. Perkins Career and Technical Education Improvement Act of 2006 requires the development and implementation of career and technical programs of study (POS). Programs of Study incorporate secondary education and postsecondary education elements; include coherent and rigorous content aligned with challenging academic standards and relevant career and technical content in a coordinated, non-duplicative progression of courses that align secondary education with postsecondary education to adequately prepare students to succeed in postsecondary education; may include the opportunity for secondary education students to participate in dual or concurrent enrollment programs or other ways to acquire postsecondary education credits and lead to an industry-recognized credential or certificate at the postsecondary level or an associate or baccalaureate degree.

Programs of Study Consist of:

- ✓ High Priority Occupation (HPO) from PA Department of Labor and Industry
- ✓ Align POS selection from PA approved CIPs
- ✓ Scope and Sequences of Courses
- ✓ Integration of Academics Standards
- ✓ Recognized PA Industry Certifications aligned to CIPs
- ✓ Statewide articulations for POS students to postsecondary institutions that continue career pathways
- ✓ Assessments for end of program at secondary and postsecondary (e.g. NOCTI)

## **Schuylkill Technology Center's Career Clusters and Program of Study:**

### **Architecture and Construction**

- Carpentry Technology
- Masonry Technology
- Plumbing & Heating Technology
- Residential/Industrial Electricity

### **Health Science**

- Health Careers

### **Hospitality & Tourism**

- Culinary Arts

### **Human Services**

- Cosmetology
- Early Child Care & Education

### **Information Technology**

- Computer Information Systems

### **Law, Public Safety, & Security**

- Criminal Justice

### **Manufacturing**

- Electronic Technology
- Pre-Engineering Technology
- Precision Machining Technology
- Welding Technology

### **Marketing Sales & Service**

- Business Management

### **Transportation, Distribution & Logistics**

- Automotive Technology
- Collision Repair & Custom Refinishing
- Diesel Technology
- Small Engine Technology

### **Senior Only Programs**

- Diversified Occupations
- Emerging Health Professionals

**Schuylkill Technology Center's  
Career Clusters and Program of Study  
Descriptions**

**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.

**Hospitality & 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 Child Care and Education**

An instructional program that prepares individuals for a variety of occupations in child care 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 child care 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 & 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**

### **Electronics Technology**

An instructional program that prepares individuals to apply basic electronic principles and technical skills to the production, calibration, estimation, testing, assembling, installation and maintenance of electronic equipment. Emphasis is on passive components and solid-state devices; digital circuits; optoelectronic devices; operational amplifiers; audio and RF amplifiers; oscillators; power supplies; and AM, FM and PCM modulators. Knowledge is acquired through theoretical instruction, experimentation and hands-on activities. Instruction will develop basic levels of knowledge, understanding and associated skills essential for entry-level employment in communications, industrial electronics, digital processing, robotics, avionics, biomedical technology and other electronics occupations.

### **Pre-Engineering 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 & Service**

#### **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.

### **Transportation, Distribution & 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 & Custom Refinishing**

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 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.

### **Small Engine 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.

### **Senior Only Programs**

#### **Diversified Occupations**

Students currently attending Schuylkill County school districts have the option to participate in a “Diversified Occupations” program offered through the supervision of the Schuylkill Technology Center. The Diversified Occupations (D.O.) one year program prepares students to develop marketable workforce skills through related theory assignments and job training connected with actual employment opportunities. A secondary student may apply for admission to the D.O. program under the following conditions: (1) STC does not offer a related occupational training program, or (2) STC program enrollments are to capacity. Specific student eligibility requirements include the following:

- Parent/guardian approval
- Full endorsement from sending district administration / staff
- An approved job site (with worker’s compensation insurance)
- Transportation (to and from the job site)
- Valid PA driver’s license and insurance
- Appropriate work dress
- Required Personal Protective Equipment (PPE)
- Necessary tools and/or equipment
- STC/Employer Training Agreement

The Diversified Occupations program is supervised by the STC Cooperative Education Coordinator, who will also administer one required 45 minute related theory class per week, which will include related workforce topics such as resume development, work ethics, and workplace safety. The employer and D. O. Coordinator will produce a “Training Plan” outlining the student’s job related tasks and responsibilities connected to current industry standards and OSHA safety regulations. Student evaluation will be determined by related theory assignments, and employer evaluations from the job site

### **Emerging Health Professionals**

The Emerging Health Professional is a partnership between Penn State Schuylkill, Lehigh Valley Health Network, and other medical facilities. The Emerging Health 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 a college science course. Students spend two half-days a week with Penn State faculty and will spend two half-days a week participating in activities at Lehigh Valley Health Network. Students spend one half day a week participating in health curriculum taught by the STC instructor at STC North Campus.

## **STC ACADEMIC COURSES**

### **AMERICAN STUDIES I- 1cr**

American Studies is a course that focuses on the history of the United States from 1492 to 1877 (Exploration through Reconstruction). Through readings, literature excerpts, political cartoons, simulations, technology projects and more, students will gain insight into the nation's past by examining period accounts and first person voices. Students will use varied resources to examine the links and make connections between events being studied in the textbook/learning guides and events that are taking place today. The major focus is the state history standards: content, chronology, analysis, and interpretation. Related concepts found in the state civics, economics, and geography standards are a supporting focus.

### **School-to-Work Opportunity**

Cooperative education is a structured program integrating classroom activities (emphasis placed on employability skills) with work experiences in a field related to a student's program of study. Cooperative education is a partnership among students, educational institutions and employers, with specified responsibilities for each party.

Who is eligible to participate: Students (third year, Level III) who have completed 75% of the program, which already have a job or a good prospect for a job defined by the student's career objective.

What are the requirements: Students must be recommended by their course instructor and have a completed résumé.

Attendance, grades, attitude, and behavior are considered in the decision-making process.

- Work permit (if under 18 years of age)                      All school debts must be satisfied
- Approved student transportation                              Valid PA driver's license
- Proof of auto insurance    Up-to-date task listing
- Senior Portfolio obligation

## XXI. BLUE MOUNTAIN HIGH SCHOOL SCHEDULE RECOMMENDATION COLLEGE PREPARATORY

The college preparatory curriculum is designed to prepare students for further study at the post-secondary level and to meet the entrance requirements of higher education institutions. Students are offered college preparatory, honors, and AP level courses in English, social studies, science, and mathematics. Students are also required to study a minimum of two consecutive years of the same world language in high school. Additional electives are selected based on student career interests and needs.

### Eleventh Grade

Pd.	Course #	Course	Pds/Cyc
1	13309/13409	CP English III	6
	13509/13609	Honors English III	6
2	23309/23409	CP World Cultures	6
	23709/23809	AP World History	6
3-4	33309	CP Chem./Lab	12
	33115/33215	Hon. Chem./Lab	9
	33709/33809	AP Chem./Lab	9
4	42309/42409	CP Geometry	6
	42509/42609	Hon. Geometry	6
		<i>Math Elective</i>	6
5	50314	PE III/IV	6
	50317	PE III/IV( <i>AP/H Chem</i> )	3
5		<i>Elective (w/CP Chem)</i>	6
6		Elective	6
6		Elective	6
7		Elective	6
7		Elective	6
8		Lunch	6

### Twelfth Grade

Pd.	Course #	Course	Pds/Cyc
1	14309/14409	CP English IV	6
	14509/14609	Honors English IV	6
	14709/14809	AP Lit & Comp	6
2	24309/24409	CP Am Govt.	6
	24509/24609	Honors Am Govt.	6
	25315/25415	AP Govt. & Politics	6
3		Science Elective (rec. CP/H/AP Physics)	6 or 9
4		Math Elective (rec. CP Alg. III or H Pre-Calc.)	6
5	50314	PE III/IV	6
	50317	PE III/IV ( <i>w/AP</i> )	3
5		<i>Elective (w/ CP Physics)</i>	6
6		Elective	6
6		Elective	6
7		Elective	6
7		Elective	6
7		Elective	6
8		Lunch	6

## BLUE MOUNTAIN HIGH SCHOOL SCHEDULE RECOMMENDATION GENERAL

The general courses are designed to offer students an alternate course level of instruction in the academic areas of English, social studies, science, and mathematics based on student needs. Additional electives are also selected based on student career interests and needs. These courses perhaps are most appropriate for students who plan to directly enter the workforce or military or are considering a post-secondary certificate or two-year program rather than a four-year degree.

### Eleventh Grade

Pd.	Course #	Course	Pds/Cyc
1	13109/13209	English III	6
2	23109/23209	World Cultures	6
3-4	33109/33209	Chem./Lab	12
3	35109/35209	or General Lab Sci.	6
	36514/36614	or Environ. Science	6
4	42109/42209	Geometry	6
5	50314	PE III/IV	6
5		Elective	6
6		Elective	6
6		Elective	6
7		Elective	6
7		Elective	6
8		Lunch	6

### Twelfth Grade

Pd.	Course #	Course	Pds/Cyc
1	14109/14209	English IV	6
2	24109/24209	Am Govt.	6
3		Science Elective or Math Elective	6
4	50314	PE III / IV	6
4		Elective	6
5		Elective	6
5		Elective	6
6		Elective	6
6		Elective	6
7		Elective	6
7		Elective	6
8		Lunch	6

**BLUE MOUNTAIN HIGH SCHOOL SCHEDULE RECOMMENDATION  
SCHUYLKILL TECHNOLOGY CENTER CURRICULUM**

**Eleventh Grade**

Pd.	Course #	Course	Pds/Cyc
1	42109/42209	Geometry	6
2-3	13009	English III	12
4-5	23117	World Cultures	12
6	50314	PE III	6
7	52209	Health	6
8		Lunch	6

**Twelfth Grade**

Pd.	Course #	Course	Pds/Cyc
1	14109/14209	English IV	6
2-3	33009	General Lab Science	12
4-5	24117	American Government	12
6	50314	PE IV	6
7	71809	Y.E.S. (16-30)	6
8		Lunch	6