WEST SHORE SCHOOL DISTRICT

2017-2018 Course Selection Manual

The West Shore School District is committed to providing this generation with a quality education serving as a foundation for responsible and successful citizenship.

The Course Selection Manual is also available on the District website.
www.wssd.k12.pa.us

PowerSchool Course Request Directions

- Log on to PowerSchool using student login and password.
- Click on the Class Registration icon. 

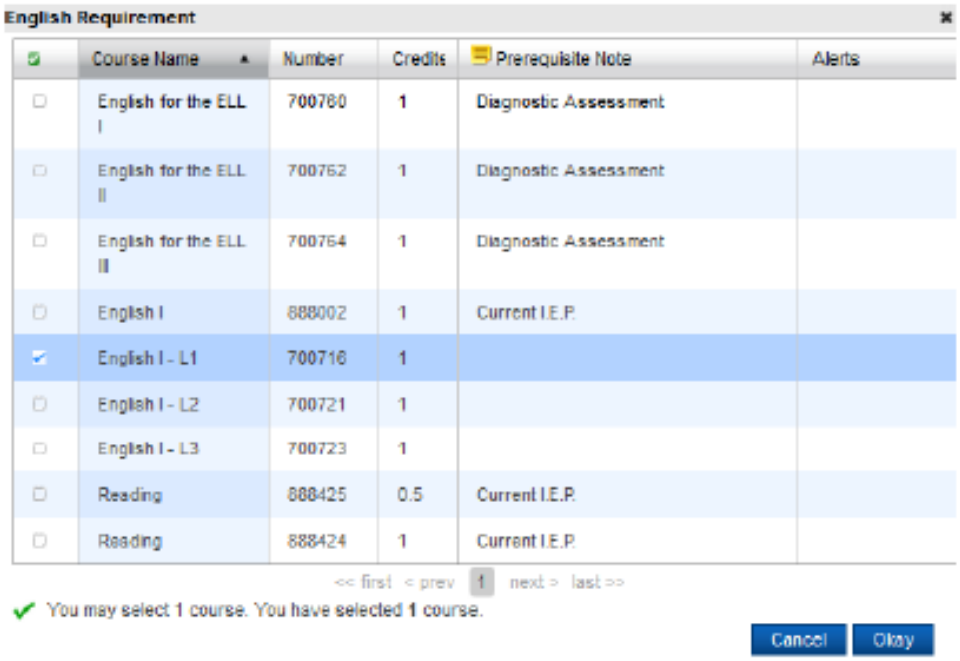
- The class registration screen will appear. Select course requests from the pop-up menus.

Welcome to the High School Class Registration System

Edit Button ! *Required* ✔ *Optional*

- Example: English Requirement - Click the icon for a list of courses.

  Sort columns by clicking on the column heading. Place a checkmark in the box next to the requested course. **Make sure it is the correct course number.** Click Okay.



- The selected course will appear in the box next to the category.

- ! Complete all required categories first and then complete optional categories as desired for a minimum of 6 credits and a maximum of 7 credits plus alternates. (Note: alternates do not count towards the 7 credit maximum but are required)
- Click submit at the bottom of the page after entering all requests to see the **Course Request Confirmation** screen.
- **Please see guidance counselor with questions about or problems inputting requests.**

COURSE SELECTION TIME LINE

COURSE SELECTION GUIDE DISTRIBUTION

January 2017

High schools will begin the distribution process.

COURSE SELECTION PRESENTATIONS

Cedar Cliff Course Selection Night
January 26, 2017 7:00 p.m. – School Auditorium

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Red Land Course Selection Night
January 26, 2017 7:00 p.m. – School Auditorium

Parents/guardians of current eighth, ninth, tenth, and eleventh grade students are encouraged to attend these meetings.

February 8, 2017 last day for on-line course selection.

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Dear West Shore School District Students and Families:

As a high school student, one of the most serious decisions with which you are faced each year is the selection of courses for the following year. Proper planning is critical if you are to prepare yourself adequately for your future goals whether they may include further education or immediate entry into the job market.

The West Shore School District provides you with many educational opportunities. Areas of study in art, business, cooperative diversified education, music, technology education, vocational-technical trades, and college preparation are available at Cedar Cliff High School, Red Land High School and at Cumberland-Perry Area Vocational Technical School with which West Shore School District is affiliated.

Recommendation for college admission requires a final average of 80 or better in all subjects. Transcripts for college admission include grades for courses taken in grades 9-12. Planning should be a cooperative effort. As a student, you should not feel that you are alone in making your decision. Your counselors, teachers, and parents are ready and willing to help you with your decision; however, ultimately, the choice must be yours. When planning your schedule of courses, consider these four criteria:

Abilities: Carefully consider your academic record for the past several years. While your grades in middle school should not necessarily determine your academic program in high school, a review of your report cards should give you a good indication of your strengths and weaknesses. If you have consistently received "D's" in science, for example, you would probably be wise not to schedule more than the required number of courses in science unless you are willing to devote extra time and effort to your science classes. Conversely, if you have consistently received "A's" in science, you may want to schedule a minimum of one science course every year and even consider applying for some of the advanced courses in that area.

Interests: A high school schedule provides an opportunity not only to prepare for your future but also to explore and develop your individual interests and abilities. If you have always enjoyed or have a specific interest in art, music, computers, or technology, you may want to take as many courses in these areas as you can schedule.

Goals: Ideally, your selection of courses in high school will be based upon future goals you have established for yourself. Your counselor will be discussing a planned program with you to help you to reach those goals. Good advice would be to remain flexible and try not to limit your future options when selecting courses.

Your Requirements: You should be aware of a number of course requirements when planning your schedule. This guide highlights required courses, the number of credits needed to graduate, the number of periods per cycle that must be scheduled, and other key points.

This *Course Selection Manual* contains the answers to most of the questions that may arise concerning the process of developing your schedule. Read all of the information carefully. On the inside of the front cover, you will find the dates of the evening course selection programs which will be conducted by the high schools. You and your parents/guardians are strongly encouraged to attend the program for your grade and school in order to receive further information on course selection and to ask questions of the school staff.

II. PHILOSOPHY

As noted in its mission statement, the West Shore School District is committed to providing all students with a quality education to prepare them to be responsible and successful citizens. The theme of the West Shore School District is "Excellence in Education...A West Shore Tradition." The District recognizes that despite the many demands placed upon the educational system today, the primary responsibility of administrators, counselors, and teachers is to assist students in using their abilities to the maximum. This will permit students to be prepared to take advantage of the broadest possible range of opportunities when they leave high school.

The West Shore School District will not discriminate on the basis of race, color, creed, national origin, ancestry, gender, sexual orientation, age, religion, marital status, or disability in accordance with state and federal laws governing educational and vocational programs and in its recruitment and employment practices. Inquiries concerning the application of Title VII, Title IX, Section 504, the ADA, and the implementing regulations may be referred to the Director of Human Resources, 507 Fishing Creek Road, P.O. Box 803, New Cumberland, PA 17070-0803, telephone (717) 938-9577.

III. DIRECTORY

CEDAR CLIFF HIGH SCHOOL	**737-8654**	**RED LAND HIGH SCHOOL**	**938-6561**
Dr. Kevin Fillgrove	Principal	Mrs. Holly W. Sayre	Principal
Mrs. Jennifer Fasick	Assistant Principal	Mrs. Melissa Herbert	Assistant Principal
Mr. Joseph Sinkovich	Assistant Principal	Mr. Nathan McGlynn	Assistant Principal

COUNSELORS	**COUNSELORS**
Mr. Michael Koczko (9th)	Mr. Aaron Walter (9th)
Mrs. Jessica Alexander-Gray (10th)	Mrs. Leigh Goas (Department Head) (10th)
Ms. Jennifer Crager (11th)	Mrs. Tonya Resto (11th)
Mrs. Stacy Thorpe (Department Head) (12th)	Mr. Thomas Moore (12th)

IV. GENERAL INFORMATION

In planning a program, students should carefully consider the following information:

A. Course Requirements

Ninth Grade – Class of 2021	
English I	1.00 credit
US History Part II	1.00 credit
Math[1]	1.00 credit
Science[1]	1.00 credit
Wellness/Fitness I: Health/PE	.50 credit
Electives	1.50 credits
	6.00 credits

Tenth Grade – Class of 2020	
English II	1.00 credit
Social Studies[1]	1.00 credit
Math[1]	1.00 credit
Science[1]	1.00 credit
Wellness/Fitness II	.25 credit
Driver Education	.25 credit
Electives	1.50 credits
	6.00 credits

Eleventh Grade – Class of 2019	
English III or AP	1.00 credit
Social Studies[1]	1.00 credit
Math[1]	1.00 credit
Science[1]	1.00 credit
Phys. Ed or PE Elective[2]	.50 credit
Electives[3]	1.50 credits
	6.00 credits

Twelfth Grade – Class of 2018	
English IV, World Lit., or AP	1.00 credit
Electives[3]	1.00-5.00 credits
Must Earn Total of 22.0 Credits for Graduation	**22.00 Credits**

B. Senior Option

Early Release and Late Options are a privilege given to seniors who are on target to meet the necessary graduation requirements including passing the Keystone Exams or being enrolled in the corresponding remediation course(s). Seniors attending high school on a part-time basis must enroll in a minimum of two (2) credits per year at the home school, including courses required for graduation and must be lawfully employed part-time or officially enrolled in post-secondary coursework. Athletes needing NCAA I or II eligibility should give serious consideration to taking a full time academic course load.

[1] Please refer to the tables and references in the Course Selection Manual to determine course sequences.

[2] A .50 credit of Physical Education or Physical Education Elective must be taken in either junior or senior year.

[3] Students not meeting Keystone Proficiency targets will be enrolled in the respective remediation course.

C. Students Earn Credits As Noted Below:

Curricular Area	Planned Courses	Credits for Graduation
English	4	4.00
Social Studies	3	3.00
Science	3	3.00
Mathematics	3	3.00
Health/Phys. Ed. (Wellness/Fitness)	3	1.25
Electives	Variable	7.75
TOTAL		**22.00**

* Beginning with the class of 2019, successful completion of the Keystone Exams will be required as per Pennsylvania Department of Education.

D. Grade Level Promotion

Students attending the high school are required to sign up for six (6) credits per year. To be promoted from one grade level to the next, students must earn the following credits:

- Five (5) credits to move from freshman to sophomore status
- Ten (10) credits to move from sophomore to junior status
- Sixteen (16) credits to move from junior to senior status (credits must be earned prior to the senior year)

All 22 credits must be earned prior to graduation to participate in graduation ceremonies.

FOR ALL STUDENTS:

Students who fall behind during their time in high school may be afforded the opportunity to take summer remedial courses where it is feasible and enrollment is sufficient to run such courses. Students are strongly encouraged to pass the courses taken during the school year. There are additional expenses incurred by the student for summer school. The District cannot guarantee that all courses failed will be offered in summer school.

TRANSFER STUDENTS:

Students who move into the district and find themselves below the required credit limit for the expected grade level will be given due consideration for grade placement based upon the successful completion of courses in the areas of English, Social Studies, Science, Math and Physical Education in their previous school.

E. Make-Up of Failures

Failures are to be made up in summer school if the course is offered. Only a course in which a student achieves a final grade of 50% or higher can be made up in summer school without administrative approval. Required subjects must be repeated if failed. If needed, elective subjects may be made up to fulfill prerequisites or achieve additional credits. Senior year exceptions, with prior administrative approval, will be considered.

Subjects failed by underclassmen in the fall semester may not be repeated during the spring semester of the same school year without administrative approval; however, successful summer school efforts will permit more flexibility in scheduling and will allow the student to stay on track toward graduation.

Additionally, students may also repeat courses already passed with a grade of 70% to 76%. Students repeating courses because of failure or because they have received a grade of 70% to 76% will receive both grades on the report card and transcript for ranking purposes. Only one (1) credit will be awarded for a given course.

F. Changes in Schedule

It is important to emphasize to students that they and their parents should devote their most serious attention to the decision making process necessary for valid course selection.

ANY REQUESTS FOR SCHEDULE CHANGES MUST BE MADE **BEFORE JULY 1**. Schedule changes will be honored for students enrolled in summer school. However, once school has opened, any request for a change in a student's schedule will be handled on an individual basis and changes will be made only under the most extenuating circumstances.

G. Selection of Courses

Students are responsible for the selection of courses to fulfill graduation requirements and prepare them for future goals. Courses listed in this booklet may be withdrawn/canceled because too few students elected them. It likewise may be impossible to schedule all the courses requested by the student. Parents and students should plan for this contingency at the time of course selection by indicating suitable alternates.
Teacher recommendations must be solicited by students for specified courses (see course recommendation list) and will be considered in all cases prior to placement of students in those classes. PARENTS SHOULD BE AWARE OF TEACHER RECOMMENDATIONS BEFORE SIGNING THE STUDENT'S COURSE SELECTION CARD.

H. Course Sequencing

Only one core course in English may be scheduled annually, e.g., a student may not complete ninth and tenth grade English in the freshman year. U.S. History Part II is a required 9th grade social studies course. Sequence options for the remainder of the student's career are listed in the social studies section. Other courses with grade level designations must be scheduled appropriately throughout the student's high school career. Course sequencing exceptions must be approved by the administration.

V. SPECIAL PROGRAMS

A. College Prep

The academic curriculum is designed for students who intend to enroll in a higher education program after high school graduation. Students need to consider carefully the particular type of program that they wish to pursue and the institutions that they wish to attend. Students interested in art, business, or technology education can prepare for college by taking certain Career Pathway subjects. It is the responsibility of students planning to enter college to complete a program of studies that will qualify them for admission. Program planning should be made in consultation with parents, teachers, and counselors. For a student planning to enter a four (4) year college, in addition to the required four (4) English and three (3) social studies courses, it is recommended the student earn a minimum of four (4) credits in academic mathematics, two (2) credits in academic lab science, two (2) credits in the same foreign language, and two (2) additional credits selected from the following list: *

WORLD LANGUAGES	MATHEMATICS
French I, II, III, IV, or V Honors	Algebra II or IIA
German I, II, III, IV, or V Honors	Calculus
Spanish I, II, III, IV, or V Honors	Calculus BC AP
	College Algebra & Trigonometry
	Geometry
	Pre-Calculus or Pre-Calculus A
	Probability and Statistics
	Statistics AP
SCIENCE	
Astronomy	Chemistry II Organic
Biology I L1 or L2	Chemistry AP
Biology II (Anatomy & Physiology)	Geology
Biology II – Populations	Physical Science
Biology AP	Physics I Mechanics or Physics I Survey
Chemistry I - Qualitative	Physics II E & M
Chemistry I - Quantitative	Physics C: (Mechanics) AP
Chemistry II Inorganic	Physics C: (Electricity & Magnetism) AP

ADVANCED PLACEMENT COURSES – GENERAL STATEMENT

*Advanced Placement (AP) courses are designed for the college-bound student. Such courses have very high academic rigor and may require summer reading/writing. Indeed, these courses are the equivalent of college level courses and can lead to credit being granted at the college level for the successful completion of the program. A student who elects to take one or more of these courses does so with the understanding that there is a personal responsibility involved in attaining success in these courses. Work in the course often begins before the school year starts and is integral to being prepared for the start of the course. If there is assigned prerequisite work, the student is expected to complete it on time. If there is a concern, the student is expected to contact the teacher prior to the deadline for the submission of prerequisite materials. Failure to do so may result in initial difficulty at the start of the course and throughout the course. Failure to complete the prerequisite assignments will not release the student from the obligation to remain in the class, and the missing work may be counted as zeros by the teacher and averaged into the student's class average for the course. It is

important to note that as a culminating part of the AP program there is an exam that is offered to students to take which may help them obtain college credit when they apply to college. More information is available from the teacher of the course. The test is not a requirement, but we encourage our students to take advantage of this opportunity.

B. Academic Contract (Policy 118)

This program is offered to properly qualified students. Contracts will be planned at the building level, follow the requirements for a planned course, include minimal time and report requirements, assessment standards, (written and/or oral), and include regular supervisory conferences between the student and a teacher. The student seeking approval for an academic contract project shall be required to:

1. Request an application from the office. (Form Appendix B)
2. Complete the application with the participating teacher.
3. Submit the application to the building principal for approval.
4. Submit the application for approval to the Director of Secondary Education and Assistant Superintendent.

The following guidelines relative to academic contracting are suggested:

1. Contracting to make up a failed course will only be done in summer school if the course is not available through regular summer school offerings and regular school year scheduling.
2. No summer contracting will be offered in co-op or Pathway Internship.
3. Summer school contracts will be available only for remedial purposes.
4. Remedial contracting will only be available for seniors (at least 16 credits after summer school the third year) during the school year. Seniors may only contract for one remedial credit during the school year. A maximum of 7 credits should be earned during a regular school year.
5. Online courses for remedial purposes may be permitted during the school year.

Suggested guidelines for academic year credits are:

1. The maximum number of credits (regular, classroom, and/or contracting) that can be earned during summer school is 2.
2. The maximum number of credits which can be earned by a student between the first day of school and the close of summer school each year is 9 unless prior administrative approval is granted.

C. Academic Contracting Special Option

1. Contracting for underclassmen will be considered as an option for acceleration purposes when the regular schedule cannot accommodate the student or when the course/class requested is beyond the scope and sequence offered at the high school.
2. Students wishing to access this option must request consideration in writing to the principal of the building by June 1st of the year preceding the planned program. This can be done through the completion of an Academic Enrichment Contract. (Form Appendix B)
3. The student must provide a brochure or pamphlet outlining the program and explaining the course of study when the application is made.
4. A committee from the school will determine approval or disapproval of all requests.

5. It is the student's responsibility to ensure that grades from the program are reported to the school quarterly in time for inclusion on the report card, if deemed appropriate. Otherwise no credit will be given.
6. Final grades for this course must be provided to the school no later than the end of the semester.
7. Failure to meet the above requirements may result in no further requests for future exceptions being considered.
8. No student may take more than 2 credits per year in this manner and must take a minimum of 4 credits per year at the high school.

D. Diversified Occupations Internship

The purpose of the Diversified Occupations Internship is to provide occupational training through the use of community business and industrial resources and to help bridge the gap between school and employment. In addition, this program also offers internships to college bound students. In the spring of the junior year, a student interested in work experience must complete an application. In addition, students must take the Skills Development Course in order to be approved for this opportunity. Acceptance is based upon the student's performance in the 11th grade and the availability of suitable training sites. An advisory committee will review all applications and consider each applicant's academic progress, work ethic, disciplinary history, and attendance record before assignments are made. At-risk students may be eligible for Diversified Occupations Internship with the recommendation of the counselor and administration.

E. Early Admissions

A senior student may be granted permission to attend classes at an approved two or four-year college if he/she meets the following requirements:

1. Has satisfactorily completed 16 credits in previous high school years.
2. Has an earned average of 86% in high school courses completed to date.
3. Applied to and been accepted by a college.
4. If attending college on a part-time basis enrolls in a minimum of two credits per year at the home school, including courses required for graduation, or if attending college as a full-time student, elects courses that will meet the high school graduation requirements.
5. Agrees that student's family accepts responsibility for all costs for matriculation at the college.
6. Submits a copy of his/her college grades to the high school at the established intervals observed by the college.
7. Provides transportation to the college at no cost to the District.
8. Maintains a satisfactory standing as determined by the college and high school in the program.
9. Accepts the possibility of withdrawal from the college courses and the ensuing difficulty of returning to full-time classes at the high school.
   Informs the high school of his/her intent by January 31 to participate in the graduation ceremony.
10. Realizes that the student will no longer be ranked with his/her graduating class.

A senior may attend on a part-time basis an approved and duly licensed/accredited trade, technical, or vocational school if he/she meets the following requirements:

1. Has satisfactorily completed 16 credits in previous high school years.
2. Is performing satisfactorily as determined by a high school committee composed of one counselor, two faculty members (including one cooperative education teacher), and a building administrator.

3. Has applied and has been accepted at an approved trade, technical or vocational school.
4. Enrolls in a minimum of two credits at his/her high school, including credits in any required courses for graduation.
5. Accepts responsibility for all costs of matriculation at such approved school.
6. Provides transportation to and from approved school.
7. Maintains a satisfactory standing at both schools as determined by the committee and approved school.
8. Submits copies of trade school marks to the high school at the intervals used by the trade school.
9. Recognizes the possibility of withdrawal from the trade school and the ensuing difficulty of returning to full-time classes at the high school.
10. Informs the high school of his/her intent by March 1 to participate in the graduation ceremony.

F. Early Graduation Option

Students who have reached senior status and want to graduate in January rather than June must notify their counselor in writing by August 1 of their intent to graduate early. The full 22 credits must be earned by the end of semester one (1) for January graduation.

G. Dual Enrollment/Articulation Agreement/Attendance at Harrisburg Area Community College (HACC) (Board Policy 217 and 912)

The West Shore School District has a dual enrollment agreement with HACC and other colleges and universities. In this agreement, students who apply for and are accepted into such programs may obtain both high school and college credit. See your counselor for details. Courses for this program may change from year to year, so contact with the counselor is essential.

A high school student may attend an approved post-secondary institution or an approved, duly licensed/accredited trade, technical, or vocational school if he/she meets the following criteria:

1. Applied and has been accepted at an approved post-secondary institution.
2. Enrolled, as a part-time student, in a minimum of two (2) credits at the District's high school, including any required credit courses for graduation.
3. Submitted the program of studies for each semester for review and approval by the building administrator and the Director of Secondary Education.
4. Accepted that he/she will continue to be ranked with his/her graduating class with courses counting with the same weight as Advanced Placement courses.
5. Reviews all other guidelines located in Board Policy 217.

Students are responsible for tuition costs; reduced tuition is available for WSSD students, per Board Policy 912. Additionally, the student shall be responsible for transportation, books, and incidental expenses. Continuation in the program is dependent upon satisfactory achievement in the program and at the respective high school.

Dual Enrollment Grade Conversion	
College Grade	High School Equivalent (Transcript)
A	97%
B	89%
C	81%
D	73%
F	65%

H. Keystone Exam Information for All Students

The Keystone Exams are end-of-course assessments designed to assess proficiency in specific subject areas, as predetermined by the state. These exams are one component of Pennsylvania's new system of high school graduation requirements. In order to graduate, students in the class of 2019 and beyond are required to demonstrate proficiency on three Keystone Exams (Algebra I, Biology, Literature), successfully complete the graduation project during the 10th grade English course, and meet the district's required graduation credits. Students not demonstrating proficiency will be provided with remediation which may need to replace an elective course such as Pathway Internship.

I. Students Studying Abroad

Students who wish to participate in a study abroad or exchange student program will be expected to meet the following requirements:

1. Undertake a program of studies equivalent to a minimum of six credits.
2. Enroll in courses abroad to parallel the required courses established by the District for graduation (If English is not available, the language of the country may be substituted.).
3. Provide a transcript of grades from the foreign school for review by the home school staff. Determination of credits satisfactorily completed cannot be made until the transcript is received.
4. Have satisfactorily completed the competency requirements of the District.
5. Bear all costs of travel and education while abroad.
6. Notify the District by January 31 of intent to participate in graduation.
7. Recognize that in the event of returning to the home school during the year, difficulties may exist in reentering a full-time program of study.
8. Realize that course work abroad will not be calculated for GPA and class rank.

J. Teen Parenting Day Care Program

To encourage teen parents to remain in school, West Shore School District works collaboratively with a day care provider for the care of a child of a District student to ensure the child is well cared for during the time the student is attending school. In order for a District student to place his or her child in the day care program, the student must be enrolled in a District school.

A student agreeing to place his or her child in the day care program is accepting the established conditions of the program as well as agreeing to abide by all other regulations of the School District. Failure of the student to comply with the rules of the District and day care program will lead to the immediate forfeiture of all day care services.

K. Weighted Grades

Selected Level 1 and elective courses, Honors Level, and Advanced Placement courses are given additional weight for purposes of calculating a student's class rank and honor roll status (See Appendix A). To obtain the weighted grade, the grade assigned by the teacher is multiplied by the number of credits established for the course and then by a factor of 1.01 for Level 1 and elective courses, 1.03 for Honors Level courses, or 1.06 for Advanced Placement and Dual Enrollment courses. The courses are weighted due to increased student work load and teacher expectations. Weighting for each course is contained within the *Course Selection Manual*. The actual grade assigned by the teacher appears on the report card.

VI. VOCATIONAL – TECHNICAL PROGRAMS

The West Shore School District is a member of the Cumberland-Perry Area Vocational-Technical School. Beginning in the ninth grade, students may elect to pursue an area of interest from a wide course selection available in the vocational and technical fields. Students enrolled in Vo-Tech attend the Vocational-Technical School in the morning and return to the home school in the afternoon for required subjects. Admission is by acceptance through an application process.

Available occupational fields are grouped into two main categories: skilled trade/service occupations and technical programs. Skilled trade and service occupations offer a broad base of instruction designed to prepare individuals for entry opportunities with a group of related occupations. Technical programs offer students a specific area of study which includes solving mathematical and scientific problems. All programs offer a three-year sequence. Students may be accepted into any of these courses for a one- or two-year period if space is available. For more information visit www.cpavts.org

A. Admission

Interested students should see their counselors for an application to attend the vocational-technical school. Acceptance is based on interest, ability, achievement, attendance, and recommendations from teachers and counselors.

B. Math and Social Studies for the Vo-Tech Student

All students are required to earn three credits in mathematics for graduation. For all Vo-Tech students, this requirement is met by taking math courses in the home school. These courses are found in this manual.

Social studies courses will be offered at the Vo-Tech for students in the Vo-Tech program, they need to be aware that their social studies courses will be entitled "American Studies" and "World Studies".

C. Vocational Students: Graduation and Schedule Requirements

1. Credits: Three (3) credits are awarded each year for successful completion of a vocational program. If a social studies course is taken concurrently, then (1) one credit will be awarded for the social studies and (2) two for the vocational courses.
2. Any failed courses on the prescribed schedule should be made up in summer school each year in order to meet graduation requirements and to continue in the vocational program.
3. The following schedule represents credit adjustments necessary for a Vo-Tech student to earn a West Shore School District diploma.

NINTH GRADE		TENTH GRADE		ELEVENTH GRADE		TWELFTH GRADE	
English	1 credit	English	1 credit	English	1 credit	English	1 credit
Math	1 credit	Math	1 credit	Math	1 credit	Science	.5 or 1 credit
Science	.5 credit	Science	.5 credit	Science	.5 or 1 credit	* Phys. Ed. Elective	.5 or 1 credit
Wellness & Fitness I	.5 credit	Wellness & Fitness II Driver Education	.25 credit .25 credit	Elective (if needed)	.5 credit		

**** Vocational technical students enrolled in a four-year vocational technical program will require an individualized graduation plan to be approved by the building principal.**

Cumberland Perry Area Vocational Technical School (CPAVTS) serves students from fourteen high schools in Cumberland, Perry, York, and Adams County. CPAVTS is an extension of your high school, offering comprehensive instruction in 21 career and technical programs. Students attend CPAVTS for half of their school day, taking courses in their technical program plus social studies. Students attend their sending high school for English, science, mathematics, physical education, and other graduation requirements.

The full scope of skills and competencies in the technical programs at CPAVTS are taught over a three year course sequence. However, students may attend CPAVTS for one or two years to support their career objectives.

CPAVTS students are expected to be responsible and respectful, demonstrating safe work habits at all times. **Students must be able to understand and comply with all school rules and procedures**.

CPAVTS has a competitive application process. Students are admitted based on their application score and school district enrollment quotas. See your sending school guidance counselor for an application. Clicking on the program names below will connect you to the program web page at www.cpavts.org.

2017-2018 CAREER PATHWAYS AND PROGRAMS AT CPAVTS

CONSTRUCTION AND MAINTENANCE Carpentry Electrical Construction and Maintenance Heating/Ventilation/Air Conditioning Horticulture/Landscaping Masonry	**ARTS & TECHNOLOGY** Advertising Art & Design Computer Networking Graphic Communications
MANUFACTURING Electronics Technology Precision Machine Technology Welding Technology	**HEALTH SCIENCES** Dental Assistant Nurse/Nursing Assistant
HUMAN SERVICES AND HOSPITALITY Cosmetology Criminal Justice Culinary Arts Early Childhood Education	**TRANSPORTATION & LOGISTICS** Auto Collision Technology Auto Technology Diesel Technology Logistics & Warehouse Management

Additional information on curriculum, college credit opportunities, and uniform requirements is available online at www.cpavts.org.

ALL PROGRAMS ARE AVAILABLE TO MALES AND FEMALES

ADVANTAGES FOR STUDENTS ATTENDING CPAVTS

Earn College Credit - College in the High School Program

The College in High School (CHS) program, also called dual enrollment, allows high school students to take college classes while enrolled at CPAVTS during the regular school day. CHS is considered *dual enrollment* because students earn credits toward high school graduation and a college degree at the same time. Classes are taught by CPAVTS teachers who are approved by Harrisburg Area Community College or Pennsylvania College of Technology to teach these classes. The college credits are awarded by HACC or Penn College, but the credits may transfer to other colleges and universities. Details on College in the High School courses can be found at www.cpavts.org.

Earn College Credit - Program of Study (POS) College Articulation Agreements

Twenty-one programs at CPAVTS are recognized by the Pennsylvania Department of Education as a "Program of Study". Students in these programs have the opportunity to earn college credit at various post-secondary schools in Pennsylvania provided they meet the following requirements:

1. Graduate from high school
2. Earn at least 2.5 GPA in your program courses
3. Achieve a score of "Advanced" or "Competent" on the NOCTI exam
4. Successfully complete all tasks on the Program of Study task list – requires all three years of a program.

Suggested Course Sequence by the Pennsylvania Department of Education for Programs of Study
For Students Enrolled in Career and Technical Programs:

Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Earth Science	Biology	Chemistry	Elective
Social Studies	Social Studies	Social Studies	Social Studies
Algebra I or Pre-Algebra	Geometry or Algebra I	Algebra II or Geometry	Additional Math
Physical Education	Physical Education	Physical Education	Physical Education
Electives	**CPAVTS Program**	**CPAVTS Program**	**CPAVTS Program**

Additional information on Program of Study and which colleges are participating can be found at www.cpavts.org

Earn a Pennsylvania Skills Certificate

The Pennsylvania Skills Certificate was created by the PA Department of Education to recognize career and technical education students who have shown advanced skill achievement in their career and technical program.

To earn the Pennsylvania Skills Certificate, students must achieve at the advanced level on the end of program NOCTI test. The test consists of two parts – written and performance. The written test covers factual knowledge, technical information, understanding of academic principals and problem solving related to the technical field. The performance test allows students to demonstrate their skills to industry professionals who proctor the exam.

Earn Industry-Recognized Certifications

CPAVTS have the opportunity to earn industry certifications which are specific to their career program. Examples include PA State Inspection certification for Auto Tech students and Certified Nursing Assistant certification for nursing students. A complete list of certifications is listed under each program description. During the 2015-2016 school year, over 300 CPAVTS students earned at least one industry certification.

CONSTRUCTION AND MAINTENANCE

CARPENTRY

There are two types of carpentry work: rough and finish. Rough carpentry includes framing, boarding, sheathing, bracing, roofing, and studding; finish carpentry includes the installation of finished flooring, stair work, siding, trim, wallboards, windows, and hardware. Students in the **Carpentry** program will learn the basics of both rough and finish carpentry, including such areas as blueprint reading, using power and hand tools, framing techniques, installing trim and hardware, estimating, and identifying materials. Many of these skills are developed through live work projects performed throughout the school. Safety instruction is emphasized throughout the program.

Carpenter	Industry Certifications	Related Occupations
2014 Median Wage in PA	OSHA – 10	Estimator
$45,138 per year	PA Builders Association	Dry wall installer
		Construction & building inspector
Program of Study Approved	2015 High Priority Occupation	

ELECTRICAL CONSTRUCTION AND MAINTENANCE

Students in the **Electrical Construction & Maintenance** program receive classroom training and practical experience in the installation of circuits, switches, conduits, circuit breakers, and other electrical devices; instruction includes the proper use and care of hand tools and equipment used to install electrical systems on a construction site. Students learn to connect and disconnect electrical equipment and determine proper installation and operation of electrical work, apply procedures used in interior circuits and outlets, and troubleshoot electrical malfunctions. Special emphasis is placed on the National Electric Code Specifications used in residential, commercial, and in industrial electrical construction projects.

Electrician	Industry Certification	Related Occupations
2014 Median Wage in PA	OSHA – 10	Electrical engineer
$57,042 per year	PA Builders Association	Avionics technicians
		Construction & building inspector
Program of Study Approved	2015 High Priority Occupation	

HEATING, VENTILATION, AIR CONDITIONING, AND REFRIGERATION

The **Heating, Ventilation and Air Conditioning (HVAC)** program provides the fundamentals of installation, repair, and maintenance of equipment and accessory parts used for heating, air conditioning, and cooling systems. Students learn basic electricity as it applies to the electrical power source and activities used in air conditioning, heating, and refrigeration units. Various equipment and training simulators are used to teach basic refrigeration in chilling and freezing systems. They will learn to solder and braze while developing skills required for the installation, repair, and maintenance of air conditioning, heating, and refrigeration units. Instruction includes: connecting ducts, refrigerant lines, and electrical hook-ups to power sources; the removal and/or replacement of parts by using torches, electrical meters, testing equipment, gauges, and hand tools; diagnosing unit breakdowns; disassembling and reassembling systems; making adjustments to ensure efficient operations; and reading basic blueprints and writing diagrams. The program also covers many of the basic skills needed in the plumbing trade, providing those students interested an opportunity to pursue a career in plumbing.

HVAC-R Technician	Industry Certification	Related Occupations
2014 Median Wage in PA	EPA 608, PA Builders	Service technician
$46,254 per year	Association, OSHA - 10	Plumber
		Sheet metal or pipe fitter
Program of Study Approved	2015 High Priority Occupation	

HORTICULTURE AND LANDSCAPING

There are several career pathways in the **Horticulture** program**.** Greenhouse managers, soil and plant scientists, groundskeepers, and landscape designers are just a few of the occupations in this wide-ranging field. Students spend time in the greenhouse, classroom, and outdoors as they learn identification, botany, proper plant care, and other factors impacting care and growth of plant materials. This knowledge is then utilized in the design and preparation of decorative and functional sites. Topics include sustainable practices

such as hydroponics and environmental issues facing today's society, design and installation of plants, ponds, and hardscaping, laws and zoning regulations, business ethics and practices, safety and equipment operation, floral design, turf management and irrigation, and other related areas. We also offer college in the high school along with certifications for OSHA. Come explore the opportunity waiting for you!

Landscaping & Groundskeeper	Industry Certification	Related Occupations
2014 Median Wage in PA $26,600 per year Program of Study Approved	OSHA- 10	Floral designer Groundskeeper Landscaper

MASONRY

The **Masonry** program provides the fundamental skills needed to work with bricks, blocks, and concrete. Students learn brick and block laying; mortar mixing; scaffold construction; building construction; the proper use of masonry tools; and how to read blueprints to determine an accurate brick layout following the builder's specifications. Additionally, students check alignment and positioning of bricks by using a dry course; check for horizontal or vertical straightness by using a mason's level; gauge lines, and plumb lines; and use story gauge rods to check work. Special emphasis is placed on mortar mixing and proper spreading of mortar to ensure accurate spacing of the joints. Students learn the safe use and proper care of hand tools such as trowels, jointers, rules, squares, brick hammer, mason levels, and gauge lines.

Brick and Block Mason	Industry Certification	Related Occupations
2014 Median Wage in PA $48,983 per year	OSHA – 10 Rough Terrain Forklift	Tile setter Cement finisher Construction supervisor
Program of Study Approved	2015 High Priority Occupation	

COMMUNICATIONS AND TECHNOLOGY

ADVERTISING ART & DESIGN

A large percentage of merchandising and advertising for modern promotion is done through the medium of **Advertising Art and Design**. The purpose of this course is to help prepare students for an entry-level job or to prepare the student to advance into post-secondary training at colleges and art schools. Throughout the program, students will maintain a portfolio to promote their work and talent when they graduate. The major emphasis is on the basic principles of design: color, development of skills, exploration of media, and Advertising Art and Design practices. Special emphasis is placed on manual illustration and layout skills in the area of art production, technical features of design, layout and composition, and color theory. Students will prepare graphic and advertising projects from the idea stage through to pre-press using the current Adobe Creative Suite software.

Graphic Designer	Industry Certification	Related Occupations
2014 Median Wage in PA $44,000 per year	Adobe® Certification	Web page designer Graphic illustrator
Program of Study Approved		

GRAPHIC COMMUNICATIONS

The **Graphic Communications** program provides students with practical instruction in the basics of producing a wide variety of printed materials. They learn the offset printing process by preparing projects from the initial design to finished product, and the theory of photography is taught: Students use a digital camera and digital plate-setting to produce plates used in the reproduction of printed materials. This program also provides students with practical experience in learning the techniques of layout and design of a printing assignment, as well as computer skills, which are learned through the use of Windows and Macintosh operating systems. Additionally, students learn how to proofread their work, which is an important part of preprint operations to ensure accuracy before work is sent to press. Other activities included in the curriculum are: paper selection; cutting and binding; and collating and finishing. Competencies in printing press operations on a wide variety of equipment are stressed in the program; work orders from a variety of sources provide students with opportunities to experience actual production work.

Printing Press Operator	Industry Certification	Related Occupations
2014 Median Wage in PA $35,600 per year	Adobe® Certification	Printer Graphic designer
Program of Study Approved		

COMPUTER NETWORKING – ***new for 2016-2017***

The **Computer Networking** program is designed to give students a broad background in the fundamentals of designing, installing, and maintaining a computer network. Specifically, students will cover the following topics: Computer hardware, troubleshooting, repair, and maintenance, operating systems and software, network technologies, network media and topologies, network devices, network management, network tools and troubleshooting, and security fundamentals. Emphasis will be placed on preparing students to test for industry credentials and certifications.

Computer Network Administrator	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA $66,794 per year	To be determined	Network Administrator Systems Analyst Security Specialist
Program of Study Approved	2015 High Priority Occupation	

HEALTH SCIENCES

DENTAL ASSISTANT

Students in the **Dental Assisting** program learn how to properly aid dentists and dental hygienists. During the course of the program, they will learn the proper techniques that go into every aspect of assisting in a dental office, from taking x-rays to scheduling appointments. To ensure that students are trained as accurately as possible, they practice on modern dental equipment and become familiar with tools common to the profession. Other asks assigned in this program include learning proper sterilization, instrument transferral, infection control, and preventative healthcare techniques; and assisting with basic dental procedures. While students emerge from the Dental Assisting program fully equipped to work as a dental assistant, further education is required before the student can achieve other positions in the field.

Dental Assistant	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA $33,719 per year	PA Dental Radiographic First Aid/CPR/AED	Dental hygienist
Program of Study Approved	2015 High Priority Occupation	

NURSING/NURSING ASSISTANT

Students in the **Nursing** program explore a variety of health professions to develop an awareness of job opportunities in the field. They develop the skills needed to perform effectively in entry-level positions and to receive a good foundation for continued study. Nursing program students learn patient care, first aid, and laboratory skills, and receive simulated work experiences such as assisting doctors with physical exams; demonstrating laboratory skills; assisting with patient care in the office or hospital; and practicing long-term care settings. Special emphasis is placed on personal hygiene; instrument and equipment identification; telephone training; correspondence and record keeping; basic nursing procedures; infection control; standard precautions; sterilization; and OSHA standards. Students are also given instruction in the sciences related to this field including medical terminology, anatomy, pharmacology, and laboratory techniques. This program will provide students with an opportunity to learn advanced functions, including clinical experience with patients through affiliation with Bethany Village Retirement Center.

Certified Nursing Assistant	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA $27,884	C.N.A. First Aid/CPR/AED	Nurse practitioner
Program of Study Approved	2015 High Priority Occupation	

HEALTH CAREERS TECHNICIANS

The **Health Careers** program prepares students to assist a variety of medical professionals. Since most jobs in this field require additional schooling (often extensively so), students are also prepared to enter a post-secondary institution to continue their studies. In pursuit of these two goals, graduates can emerge with their Pharmacy Technician Certification and certification in First Aid/CPR. Skills taught during the course of this program include: learning anatomical, physiological, and medical terminologies, understanding healthcare structures and principles (for example, communications, ethics, and parents' rights), identifying various medications, their uses, and how to calculate dosages, and demonstrating basic patient care skills (bed-making, isolation techniques, dressing changes, taking vital signs, personal patient care, transfers, range of motion skills, and many others).

Pharmacy Technician	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA $29,468 per year	First Aid/CPR/AED Pharmacy Technician	Physical therapist Radiology technician Surgical nurse Respiratory therapist
Program of Study Approved	2015 High Priority Occupation	Pharmacist

HUMAN SERVICES AND HOSPITALITY

CULINARY ARTS

Culinary Arts is a program that offers a broad range of skills and knowledge concerning the selection, preparation, and handling of foods. Skill development will focus on: safety and sanitation; dining room service; preparation of food; buffet service; meat cutting; baking; store room procedures; and basic management skills. Unlike the home economics courses offered by most general high schools, the instruction and on-the-job training will be conducted in a fully equipped cafeteria and restaurant at Cumberland Perry AVTS.

Chef	**Industry Certifications**	**Related Occupations**
2014 Median Wage in PA	ServSafe®	Cook, Pastry chef
$43,049		Butcher, Meat cutter
Program of Study Approved	2015 High Priority Occupation	

COSMETOLOGY

The **Cosmetology** program at CPAVTS gives students a great head start to a lucrative career. Our curriculum is rigid, however, by the time the student graduates, they will have skills desirable to employers in the Cosmetology industry. Students in the program learn all aspects of haircare, skin care, and nail care, and not only do they practice on mannequins but they practice on each other as well. Once the student earns 300 hours they are ready to apply skills to customers in the Cosmetology clinic. Instruction also includes resume writing, interviewing, marketing and retailing so students are prepared to start the job search process. Students need to earn 1250 hours be to eligible to test for the PA Cosmetology License Exam.

Cosmetologist	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	State Board of Cosmetology	Barber
$23,900 per year		Make-up artist

CRIMINAL JUSTICE

Students in the **Criminal Justice** program learn administrative procedures; vehicle code and accident investigation; crime codes and criminal investigation; prevention of crime; laboratory procedure; and supplemental activities. Simulated activities develop skills in procedures used in police patrol, criminal investigations, accident investigation, report writing, use of Crime Code and Pennsylvania Vehicle Code, first aid, and firearms training. Special emphasis is given toward each student's career objectives. Students develop skills needed to perform effectively in police departments and security agencies, and receive a good foundation for continued study in Police Administration or Criminal Justice.

Police Officer	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	First Aid/CPR	Police officer
$60,200 per year	National Incident Management	Fire Marshall
Program of Study Approved		

EARLY CHILDHOOD EDUCATION

The **Early Childhood Education** program instructs students in the preparation and presentation of nutritional snacks, instructional materials, schedules, and curriculum plans. They will also cover how to manage parent involvement, enrollment, safety/health factors, and discipline. A portion of the program is devoted to child development and preschool child growth patterns. Students will develop techniques that will be applied in the preschool program. Time will be provided to do classroom observations of the preschool children, as well as peer observations of fellow teachers. The student will be responsible for supervising the entire preschool laboratory school program including the children's schedule, attendance, greeting children, enrollment, art, music, science, and indoor/outdoor play activities. Students have a portion of the preschool day set aside for "Learning Centers", a time in which they work independently with an assigned preschool child in an area that the child is currently strengthening.

Pre-School Teacher	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	CDA Ready Certification	Group supervisor
$24,800 per year	First Aid/CPR	Head start specialist
		Child care director
Program of Study approved		

TRANSPORTATION AND LOGISTICS

AUTOMOTIVE COLLISION TECHNOLOGY

The **Automotive Collision Technology** Program provides students with the training necessary to repair damaged automotive vehicles. Instruction includes the repair and replacement of defective parts to restore a vehicle to good condition. Students learn how to operate hydraulic jacks; how to use pry bars, dolly blocks, and mallets for the removal of dents; the techniques of metal finishing used to fill the damaged areas of the vehicle with body plastics; and how grind and sand until the body is smooth. Our students also learn to replace auto body parts by installing new sections, and by welding new pieces and panels. Instructions in braising, soldering, and welding practices are stressed. Students develop skills in the preparation of surfaces to be painted, matching and mixing paint, and in spraying techniques. In addition, students install trim and glass, use gauges necessary for frame straightening, and estimate the cost of the repair service.

Autobody Repair Technician	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	PA Inspection and Emissions	Painters & customizers
$40,923 per year		Insurance adjuster
Program of Study Approved	2015 High Priority Occupation	

AUTOMOTIVE TECHNOLOGY

The **Automotive Technology** program provides students with the entry-level skills and knowledge needed for a career in the automotive field. specialized classroom and shop exercises are designed to provide instruction in the following areas: engine repair, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, engine performance, manual drive train and axles, automatic transmission/transaxle, emissions control, hybrid technology, and alternative fuels. Students are taught to use computerized technical service manuals and are also trained to participate in the Pennsylvania State Safety and Emissions Inspection Program. Qualified level 3 students are able to participate in the cooperative education program. This program allows students to gain paid work experience at participating repair facilities while attending school.

Automotive Technician	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	PA Inspection and Emissions	Repair estimator
$37,568 per year		Safety or emissions inspector
Program of Study Approved	2015 High Priority Occupation	

DIESEL TECHNOLOGY

Students in the **Diesel Technology** course will receive training in all areas of diesel engine construction, operation, troubleshooting and repair, and in the maintenance, servicing, and repair of over-the-road trucks, trailers and transportation equipment. The first year of instruction will focus on diesel powered engines (this is primarily related to transportation equipment, but can also be applied to diesel powered construction equipment, high lifts, farm machinery and other diesel-powered equipment). Electrical systems, turbo chargers, engine speed governors and lubrication systems are a few examples of the engine subsystems that are covered. Students will be assisted in developing a keen attention to detail, which is necessary for success in this trade. The second and third year students study the other components and systems of the truck: transmissions, rear axles, clutches, drive lines, batteries, starters, alternators, steering, suspension, alignment and air conditioning, just to name a few. Instruction will be provided in oxyacetylene, AC/DC and MIG welding operations. Students who qualify will also be eligible to take the Pennsylvania Vehicle State Safety Inspection Program for mechanics and EPA, type 609 air conditioning certification is also offered.

Diesel Technician	**Industry Certification**	**Related Occupations**
2014 Median Wage in PA	PA Inspection and Emissions	Mobile heavy equipment repair
$42,589 per year	Air conditioning 609, OSHA 10	Farm equipment repair
Program of Study Approved	2015 High Priority Occupation	

LOGISTICS AND WAREHOUSE MANAGEMENT

Logistics & Warehouse Management students will receive training in the technical and "hands on" aspects of operating a warehouse. Instruction will center on "inventory control", which is a plan for supply needs; control of goods received; efficient accessible storage; and proper distribution of materials. Effective record keeping is stressed. Additional activities will include: materials organization; inspection of goods and accounting for warehouse merchandise; receiving and shipping practices; and the use of power equipment such as forklifts, electric pallet jacks, rollers, and conveyor belts for loading, unloading, or placement of packaged merchandise in warehouse or storage areas. Students will receive actual training in "live" work situations. His/her experience will be comprised of working in a warehouse area that stores in excess of $100,000 of stock merchandise a year and will become familiar with handling merchandise that ranges in weight from one ounce to three tons. The program also offers use of data base (computer) entry system for stored materials

Shipping and Receiving Clerk	Industry Certification	Related Occupations
2014 Median Wage in PA $36,146 per year	OSHA – 10	Stock supervisor Distribution clerk Forklift operator
Program of Study Approved	2015 High Priority Occupation	

MANUFACTURING

ELECTRONICS TECHNOLOGY

The **Electronics Technology** program provides a foundation in the principles of basic electronics and an in depth background in the field. This program will introduce the student to computers and many of the popular operating systems. This program includes instruction beginning with the structure of the atom, units of measurement, and most of the formulas required to understand basic electronics. For all theory presented, the student will construct circuits and do experiments to help them to understand the theories learned. The student will apply learned theories to testing electronic components and diagnosing circuit problems. The student is also introduced to digital electronics where they build and analyse logic circuits, and will learn how microprocessors function and how they can be used to control electronic systems. Other activities include rebuilding a (PC) computer (identifying all major components and determining their function); installing and studying most Windows operating systems; and learning how to diagnose many of the common computer problems encountered.

Electronics Engineering Technician	Industry Certification	Related Occupations
2014 Median Wage in PA $55,800	Student Electronics Technician OSHA 10	Broadcast technician Avionics technician Data system technician
Program of Study Approved		

PRECISION MACHINE TECHNOLOGY

The **Precision Machine Technology** program prepares students for a challenging and rewarding career and provides them entry level training for the manufacturing industry. Students will begin with bench work, blueprint reading, and layout. They will then progress to learning precision measuring tools and techniques to ten thousandths of an inch (.0001”). Students will also learn machining techniques on manual vertical milling machines and manual lathes before progressing on to CNC (Computer Numerical Control) machines. An emphasis on the programming and set up are also included in the CNC training along with instruction on MasterCam and SolidWorks computer software. The course is designed to prepare students for a career as a machinist but is an excellent choice for a student with the desire to become an engineer.

Machinist	Industry Certification	Related Occupations
2014 Median Wage in PA $39,530	NIMS - multiple	CNC operator Tool and die maker Maintenance Technician
Program of Study Approved	2015 High Priority Occupation	

WELDING TECHNOLOGY

Welding offers training in oxyacetylene and AC/DC arc welding, semiautomatic MIG, plasma cutting, and TIG welding systems. Starting with planning and layout work, the student progresses to setting up and operating welding, brazing, and cutting equipment, oxyacetylene welding light gauge metals in all positions, and shielded metal arc welding in all positions. Emphasis is placed on blueprint reading to identify properties of metal; metal types; types and use of electrodes and welding rods; electrical principles; and welding symbols. The use of manuals and specifications charts and the understanding of welding standards established by the American Welding Society are stressed. Training will be offered in the planning, layout, forming, joining and fabrication of various shapes in light and heavy gauge metals and pipe. Students learn to use specialized hand tools and to operate shears, forming and shaping machines, drill presses, and metal cutting saws.

Welding Technician	Industry Certification	Related Occupations
2014 Median Wage in PA $37,999 per year	AWS®	Sheet metal worker Boilermaker
Program of Study Approved	2015 High Priority Occupation	

STUDENT ACCESS TO CAREER AND TECHNICAL EDUCATION

This section provides guidance on the applicable statutes that address student access to career and technical education. Additional information is included as it relates to charter school students, private school students, home schooled students and foreign students.

Career and technical education shall be made available to every student in the high school program. *See* 22 Pa Code § 4.23 (d)(1). Districts should not limit the attendance of students eligible for admission to a career and technical center (CTC).

NONPARTICIPATING DISTRICT OF A CTC

If a student attends a district that does not participate in a CTC, the student may, on obtaining consent of the Joint Operating Committee (JOC) of a CTC, attend that CTC. *See* 24 P.S. § 18-1847. The students of a non-participating district are not limited to attending the CTC that serves the attendance area in which the district is located. Further, a non-participating district cannot mandate that all of its students attend one particular CTC.

If a student of a non-participating district attends a CTC, the district of residence must pay for this education. *See* 24 P.S. § 18-1847. The school district in which the pupil resides shall be charged, for each pupil attending the CTC, an amount equal to the total approved budget for current expenses, debt service and capital outlay divided by the number of pupils enrolled in the school.

PARTICIPATING DISTRICT OF A CTC

If a student attends a district that does participate in a CTC, the student must attend the CTC in which the district participates. *See* 24 P.S. § 1850.1(b) (21). Only if the JOC were to send a student to another career and technical center, which accepted the student, could a student attend a CTC different from the one in which his or her district is a participating member. *See* 24 P.S. § 1850.1(b) (21). This is true even if the CTC in which the district participates does not offer a specific career and technical education program the student is seeking.

CHARTER SCHOOL STUDENTS[1]

Students enrolled in charter schools, including cyber charter schools, may enroll in CTCs if the charter school in which the child is enrolled contracts with a CTC for the provision of services.

Charter schools, including cyber charter schools, are not party to the negotiated agreements between school districts and CTCs. It is the responsibility of the charter school to decide whether or not to make a career and technical school curriculum available to the student and, if so, to contract with a CTC for the provisions of these

If a charter school student does attend a CTC, the charter school shall receive the full Selected Expenditure to which it is entitled from the student's resident school district, and the charter school must pay the CTC the established contractual charge for a student who receives a career and technical education. A student's school district of residence shall not be responsible for paying a CTC for the career and technical education received by a charter school student. The Department has no authority to withhold payments from the charter school in the event there are disputes regarding payments to a career and technical school by a charter school. Such disputes shall be resolved between the charter school and the career and technical school based on the contractual agreement between them.

[1] For additional information, see the applicable BEC, *Charter Schools*, which can be found at: http://www.portal.state.pa.us/portal/server.pt/community/purdon's_statutes/7503/charter_ schools/507318.

PRIVATE SCHOOL

If a private school student is a resident of a district that participates in a career and technical center, the student is able to receive career and technical education under the dual-enrollment provision of the School Code. Pursuant to 24 P.S. § 5-502: "[n]o pupil shall be refused admission to the courses in these additional schools or departments, by reason of the fact that his elementary or academic education is being or has been received in a school other than a public school." This provision expressly allows students attending non-public schools to dually-enroll in both the non-public school and the public school in order to participate in programs offered at vocational schools.

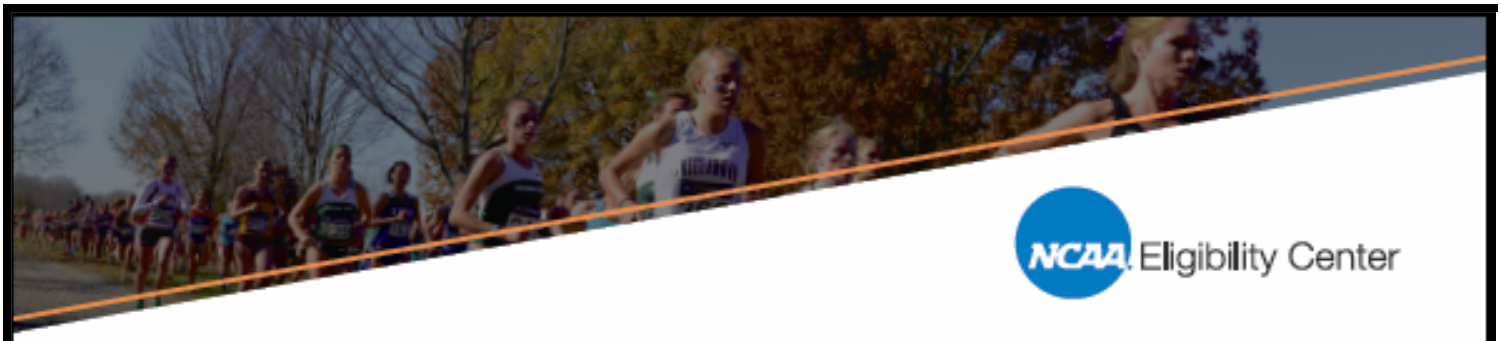
HOME SCHOOL

A student receiving home education is not entitled to attend a career and technical education program. The student, however, may seek admission to a career and technical program. The resident school district is not required to pay tuition if a home-schooled student is admitted to a career and technical education program.

FOREIGN STUDENTS[2]

Career and technical centers must register with the U.S. Immigration and Customs Enforcement's Student and Exchange Visitor Information System (SEVIS) program to be authorized to enroll foreign students. If CTC is eligible to accept students on F-1 visas, the student must pay the tuition to attend the career and technology center. The tuition would be the full, unsubsidized per capita cost of the education.

[2] For additional information, see the applicable BEC, Foreign Students' Eligibility for Enrollment, which can be found at:
http://www.portal.state.pa.us/portal/server.pt/community/purdon%27s_statutes/7503/foreign_students%27_eligibility_for_enrollment/507311.



NCAA Eligibility Center

DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (One year of lab, if offered)	ADDITIONAL ENGLISH, MATH OR NATURAL/ PHYSICAL SCIENCE	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

Full Qualifier

- Complete 16 core courses.
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
  - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.300.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Academic Redshirt

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Redshirt:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:

College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

Test Scores

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of **9999** so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will **NOT** be used in his or her academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscore from different tests are used to meet initial-eligibility requirements.

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the old and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the old SAT, a numerical score on the old test may not be equivalent to the same numerical score on the redesigned test.

DIVISION I
FULL QUALIFIER SLIDING SCALE

CORE GPA	SAT READING/MATH	ACT SUM
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58

DIVISION I
FULL QUALIFIER SLIDING SCALE

CORE GPA	SAT READING/MATH	ACT SUM
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	910	76
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	81
2.125	970	82
2.100	980	83
2.075	990	84
2.050	1000	85
2.025	1010	86
2.000	1020	86

ACADEMIC REDSHIRT

NCAA Eligibility Center

2018 DIVISION II NEW ACADEMIC REQUIREMENTS

College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab science, if offered)	SOCIAL SCIENCE	ADDITIONAL (English, math, or natural/physical science)	ADDITIONAL (English, math, natural/physical science, social science, foreign language, comparative religion or philosophy)
3 years	2 years	2 years	2 years	3 years	4 years

Full Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

Partial Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Partial Qualifier:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:

College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Test Scores

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the old and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the old SAT, a numerical score on the old test may not be equivalent to the same numerical score on the redesigned test.

DIVISION II FULL QUALIFIER SLIDING SCALE

USE FOR DIVISION II BEGINNING AUGUST 2016

CORE GPA	SAT READING/MATH	ACT SUM
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE

USE FOR DIVISION II BEGINNING AUGUST 2016

CORE GPA	SAT READING/MATH	ACT SUM
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above


WEST SHORE SCHOOL DISTRICT
Career Pathways
your road map to a successful future!
Arts and Communications Pathway
This Pathway is designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.
Pathway Cluster Areas
Performing Arts
Visual Arts
Publishing Arts
Recommended Courses of Study
Business, Finance, and Information Technology Pathway
This Pathway is designed to prepare students' in the world of business, finance and information services.
Pathway Cluster Areas
Marketing and Sales
Finance
Business Management
Information Technology
Recommended Courses of Study
Engineering & Industrial Technology Pathway
This Pathway is designed to cultivate students' interests, awareness and application to careers related to technologies necessary to design, develop, install, and maintain physical systems.
Pathway Cluster Areas
Construction and Architecture
Manufacturing
Engineering and Engineering Technology
Transportation, Distribution, and Logistics
Recommended Courses of Study
Human Services Pathway
This Pathway is designed to cultivate students' interests, skills and experiences for employment in careers related to family and human needs.
Pathway Cluster Areas
Counseling, Personal Care
Education
Hospitality and Tourism
Law, Public Safety, and Government
Recommended Courses of Study
Science & Health Pathway
This Pathway is designed to cultivate students' interests in the life, physical and behavioral sciences. In addition, it involves the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research and development.
Pathway Cluster Areas
Health Science
Agriculture, Food, Natural Resources
Science, Technology, Math
Recommended Courses of Study

COURSE DESCRIPTIONS AND CAREER PATHWAYS - GRADES 9 THROUGH 12

The staff and administration have developed this curriculum planning guide to help students and parents in the course selection process. The format is designed to guide students to select courses related to their interest, skills, values and personality. Selecting courses that are connected to their pathway and future transitional plans will make learning more relevant.

On the following pages appear the descriptions of all the courses, required and elective, offered at Cedar Cliff High School and Red Land High School. Students should pay particular attention to any required prerequisites necessary to enroll in a certain course. This information appears directly below the title of the course. The number of periods per cycle a course meets, the weighting of each course, and the number of credits that are awarded for successful completion of the course are noted at the right side of the page for easy reference.

The West Shore School District has implemented five (5) Career Pathways listed below. In a Career Pathway system, students will create a plan for career preparation. They choose a pathway leading to a particular career goal and the core courses and electives that will enable them to graduate in that pathway.

1. Arts and Communications Pathway

This Pathway is designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.

2. Business, Finance, and Information Technology Pathway

This Pathway is designed to prepare students' in the world of business, finance and information services.

3. Engineering & Industrial Technology Pathway

This Pathway is designed to cultivate students' interests, awareness and application to careers related to technologies necessary to design, develop, install, and maintain physical systems.

4. Human Services Pathway

This Pathway is designed to cultivate students' interests, skills and experiences for employment in careers related to family and human needs.

5. Science & Health Pathway

This Pathway is designed to cultivate students' interests in the life, physical and behavioral sciences. In addition, it involves the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research and development.

Both students and parents are encouraged to review and discuss this guide thoroughly. It is our desire to provide clear guidelines, quality programs, and effective resources in an effort to prepare our students with a solid academic foundation and understanding of future direction and life decisions. The West Shore School District pathways is your guide to a successful transition in connecting relevance and relationships to the taught rigor which supports the district's mission to prepare all students to be responsible and successful citizens.

This Pathway is designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.

Pathway Cluster Areas

- Performing Arts
- Visual Arts
- Publishing Arts

Are You Interested In…	Can You…	Do You Enjoy…
News Reporting News Writing Interviewing and Reviewing Multi-Media Productions Acting Radio, Film, TV, Video Performing in Band/Chorus Attending Concerts Drawing/Painting/Graphic Design/Art Therapy	Sing Play an Instrument Be Creative Act Articulate Clearly Write and Conduct Interviews Meet Deadlines Sell Draw/Paint/Design	Writing Making Videos Working with Film Props Seeking Creative Ideas Working with Sound Work with Computers Performing in front of a live audience Drawing Cartoons Hands on Minds On Activities

Recommended Courses of Study

9th Grade	10th Grade	11th Grade	12th Grade
Concert Choir Chamber Singers Orchestra Concert Band Symphonic Wind Ensemble Comp. Musicianship Jazz Improvisation and Small Ensemble Techniques Intro to Drafting Graphic Technology I, II Art I, II Ceramics I Lettering and Design Computer Art Sculpture I Theatre Art Creative Writing Seminar German I, II French I, II Spanish I, II	Concert Choir Chamber Singers Orchestra Concert Band Symphonic Wind Ensemble Comp. Musicianship Jazz Improvisation and Small Ensemble Techniques Intro to Drafting Graphic Technology I, II, III Photo and Digital Imaging I, II Art I, II, III Ceramics I, II Animation Lettering Design Computer Art Sculpture I, II Theatre Art Creative Writing Seminar Journalism I, II Exploring Mass Media Mass Media II World Language Elective Dual Enrollment	Concert Choir Chamber Singers Orchestra Concert Band Symphonic Wind Ensemble Comp. Musicianship Jazz Improvisation and Small Ensemble Techniques Intro to Drafting Graphic Technology I, II, III Photo and Digital Imaging I, II Art I, II, III Ceramics I, II Honor's Art Animation Lettering Design Computer Art AP Art History Sculpture I, II Theatre Art Journalism I, II Exploring Mass Media Mass Media II World Literature Yearbook Publication Creative Writing World Language Elective Dual Enrolment	Concert Choir Chamber Singers Orchestra Concert Band Symphonic Wind Ensemble Comp. Musicianship Jazz Improvisation and Small Ensemble Techniques Intro to Drafting Graphic Technology I, II, III Photo and Digital Imaging I, II Art I, II, III Ceramics I, II Honor's Art Animation Lettering Design Computer Art Art History AP Sculpture I, II Theatre Art Journalism I, II Exploring Mass Media Mass Media II World Literature Yearbook Publication College Composition Creative Writing Pathway Internship World Language Elective Dual Enrollment

Business, Finance, and Information Technology Pathway

This Pathway is designed to prepare students' in the world of business, finance and information services.

Pathway Cluster Areas

- Marketing and Sales
- Finance
- Business Management
- Information Technology

Are You Interested In…	Can You…	Do You Enjoy…
A Business Environment	Work Easily with Others	Meeting with Groups
Office Management	Organize Time Efficiently	Making Budgets
Sales	Work with Statistics	Organizing a Project
Computers/Technology	Use Computers/Other Technology	Planning an Event
Presentations to Groups	Pay Attention to Details	Working with Technology
Telecommunications	Solve Problems	Selling Products and Services
Advertising	Work Independently	Processing Numbers/Figures
Different Work Sites	Show Initiative	Preparing Financial Reports
Insurance	Work on a Team	Following Directions
Record Keeping		Learning New Software Programs

Recommended Courses of Study

9th Grade	10th Grade	11th Grade	12th Grade
Intro to Business and Entrepreneurship Microsoft Office Computer Applications Personal Finance Networking I, II IT Essentials I Exploring Mass Media JROTC I, II Algebra I World Language Elective	Intro to Business and Entrepreneurship Business Law Sports and Entertainment Marketing Accounting I Microsoft Office Personal Finance Skills Development for Careers Networking I, II IT Essentials I Exploring Mass Media Mass Media II Psychology JROTC I,II Algebra I World Language Elective Dual Enrollment	Intro to Business and Entrepreneurship Business Law Sports and Entertainment Marketing Accounting I Microsoft Office Personal Finance Skills Development for Careers Psychology Psychology AP Sociology World Geography and Global Issues Networking I, II IT Essentials I Exploring Mass Media Mass Media II JROTC I, II, III Statistics AP World Language Elective Dual Enrollment	Intro to Business and Entrepreneurship Business Law Sports and Entertainment Marketing Accounting I Microsoft Office College Computer Applications Personal Finance Skills Development for Careers Psychology Psychology AP Sociology AP Macroeconomics AP Microeconomics Networking I, II IT Essentials I Exploring Mass Media Mass Media II Pathway Internship JROTC I, II, III, IV Statistics AP World Language Elective Dual Enrollment

Engineering & Industrial Technology Pathway

This Pathway is designed to cultivate students' interests, awareness and application to careers related to technologies necessary to design, develop, install, and maintain physical systems.

Pathway Cluster Areas

- Construction and Architecture
- Manufacturing
- Engineering and Engineering Technology
- Transportation, Distribution, and Logistics

Are You Interested In…	Can You…	Do You Enjoy…
Building and Construction Tools, Equipment, And Materials Woodworking Math and Science Classes Fitness and Sports Precision Work Design and Architecture Engineering Computer Technology Production Management How Things Work	Apply science and math to real world Read and understand directions Solve complex problems Understand directives Read maps Organize reports and people See a task through to completion Use a computer	Travel Designing/working with projects, models, and prototypes Working in a lab setting Working on a team Operating tools and equipment Attention to detail Hands on Minds on Activities

Recommended Courses of Study

9th Grade	10th Grade	11th Grade	12th Grade
Electrical Engineering Transportation I Mechanical Engineering Construction Technology Metal Technology Materials Processing Intro to Drafting Graphic Technology I, II IT Essentials I Networking I, II Art I, II JROTC I, II World Language Elective	Electrical Engineering Transportation I, II Mechanical Engineering Aeronautical Engineering Construction Technology Metal Technology Materials Processing Advanced Woodworking Graphic Tech I, II, III Photo and Digital Imaging I, II Intro to Drafting IT Essentials I Networking I, II Programming & Developing Code Applied Engineering Algebra I Art I, II, III JROTC I, II, III, IV World Language Elective Dual Enrollment	Electrical Engineering Transportation I, II Mechanical Engineering Aeronautical Engineering Construction Technology Metal Technology Materials Processing Advanced Woodworking Graphic Technology I, II, III Photo and Digital Imaging I, II Intro to Drafting IT Essentials I Networking I, II Programming & Developing Code Applied Engineering Statistics AP Pre-Calculus Art I, II, III JROTC I, II, III, IV World Language Elective Dual Enrollment	Electrical Engineering Transportation I, II Aeronautical Engineering Construction Technology Metal Technology Materials Processing Advanced Woodworking Graphic Technology I, II, III Photo and Digital Imaging I, II Intro to Drafting IT Essentials I Networking I, II Programming & Developing Code Applied Engineering Statistics AP Calculus Art I, II, III Pathway Internship Physics AP Physics I Mechanics Physics II JROTC I, II, III, IV World Language Elective Dual Enrollment

This Pathway is designed to cultivate students' interests, skills and experiences for employment in careers related to family and human needs.

Pathway Cluster Areas

- Counseling, Personal Care
- Education
- Hospitality and Tourism
- Law, Public Safety, and Government

Are You Interested In…	Can You…	Do You Enjoy…
Working with People	Organize Well	Communication Services
Owning Your Own Business	Plan and Direct Programs	Helping and protecting others
Aging Adults	Be Creative	Working with people
Child Development	Communicate Well	Counseling and advising people
Family and Social Services	Assume Leadership	Serving others' needs
Food Preparation	Work with a Team	Interviewing people
Teaching	Use Interpersonal Skills	Selling products/services
Counseling	Be Conscientious/Dependable	Handling customer complaints
	Plan Budgets	Searching for answers to human problems

Recommended Courses of Study

9th Grade	10th Grade	11th Grade	12th Grade
Art I, II Intro to Business and Entrepreneurship Microsoft Office JROTC I German I, II French I, II Spanish I, II	Art I, II, III Accounting Business Law Intro to Business and Entrepreneurship Microsoft Office JROTC I, II Sports and Entertainment Marketing Psychology World Language Elective Dual Enrollment	Art I, II, III Accounting Intro to Business and Entrepreneurship Psychology Psychology AP Sociology World Geography and Global Issues Business Law Microsoft Office Sports and Entertainment Marketing JROTC I, II, III World Language Elective Dual Enrollment	Art I, II, III Accounting Sociology Psychology Psychology AP Business Law Intro to Business and Entrepreneurship Biology II Anatomy & Physiology World Geography and Global Issues College Computer Applications Microsoft Office Pathway Internship Sports and Entertainment Marketing JROTC I, II, III, IV World Language Elective Dual Enrollment

This Pathway is designed to cultivate students' interests in the life, physical and behavioral sciences. In addition, it involves the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research and development.

Pathway Cluster Areas

- Health Science
- Agriculture, Food, Natural Resources
- Science, Technology, Math

Are You Interested In…	Can You…	Do You Enjoy…
Health Care Environment Science and Medicine Medical Research Food Production Radiology Environment Conservation Pharmacy Information Systems Physical Therapy Sports/Fitness	Pay attention to detail Use a computer and technology Work in a lab setting/medical facility Apply scientific theory to real life problems Work outdoors around animals or plants Collect and analyze data from experiments Work with people in need Work with Math and Science theories	Diagnosing and caring for sick animals Working outdoors with wildlife Solving problems Working on cutting edge scientific research Working with numbers Working on a team Medical Lab Research Making a contribution to society Developing conclusions from a database

Recommended Courses of Study

9th Grade	10th Grade	11th Grade	12th Grade
Personal Fitness and Strength Training I JROTC I Bio II Populations IT Essentials I Networking I, II Algebra I Geometry Biology I	Personal Fitness and Strength Training I Applied Sports Medicine Biology II Biology II Anatomy & Physiology Ecology Environmental Science Chemistry I, II Physics I, II Astronomy Geology Applied Engineering Algebra II Networking I, II IT Essentials I JROTC I, II Psychology Sport Medicine II Dual Enrollment	Personal Fitness and Strength Training I, II Applied Sports Medicine Biology II Anatomy & Physiology Ecology Environmental Science Chemistry I, II Physics I, II Astronomy Geology Bio II Population Chemistry AP Physics AP Biology AP Psychology AP Advanced Math Coursework* Applied Engineering Networking I, II IT Essentials I Sociology Psychology Psychology AP JROTC I, II, III, IV Sports Medicine II Dual Enrollment	Personal Fitness and Strength Training I, II Applied Sports Medicine Sports Leadership Biology II Anatomy & Physiology Ecology Environmental Science Advanced Math Coursework* Applied Engineering IT Essentials I Networking I, II Sociology Psychology Psychology AP Chemistry I, II Physics I, II Astronomy Geology Bio II Population Chemistry AP Physics AP Biology AP Psychology AP JROTC I,II,III,IV Pathway Internship Dual Enrollment

EARLY COLLEGE PATHWAY

An early college pathway with a local college or university allows qualified West Shore School District students to earn college credits through Advanced Placement (AP) courses in the home school, HACC's College in the High School (CHS) and Dual Enrollment (DE) courses offered on-campus at approved post-secondary institutions. Dual enrollment courses may take place at the college or university as well through on-line or distance learning options. The Early college options allow students to simultaneously enroll in coursework that fulfills high school graduation requirements while also meeting general education or elective requirements in approving post-secondary colleges and universities.

Each student's path may be uniquely different based upon his/her future goals and abilities. This personalized learning plan for each student should be developed in collaboration with the high school guidance counselor and the college advising department. An Early College Pathway may result in significant savings in time and tuition for Cedar Cliff High School and Red Land High School students.

College in the High School Options for 2017-2018 with Harrisburg Area Community College include the following courses:

- **College Computer Applications**
- **Anthropology**
- **College Composition**

All other courses are available for Dual Enrollment and course descriptions can be found in the HACC course catalog. Please see your guidance counselor for more information and look for new certification based pathways being developed for West Shore School District this spring.

The District has an affiliation agreement with Harrisburg University for students interested in Dual Enrollment with HU. Please see your guidance counselor for additional information. High school students who wish to attend HU on a full-time basis prior to high school graduation may be admitted through the Early College program at HU.

Additional Colleges & Universities with Approval

Many other options exist for students interested in an Early College Pathway. Please see your guidance counselor for additional information.

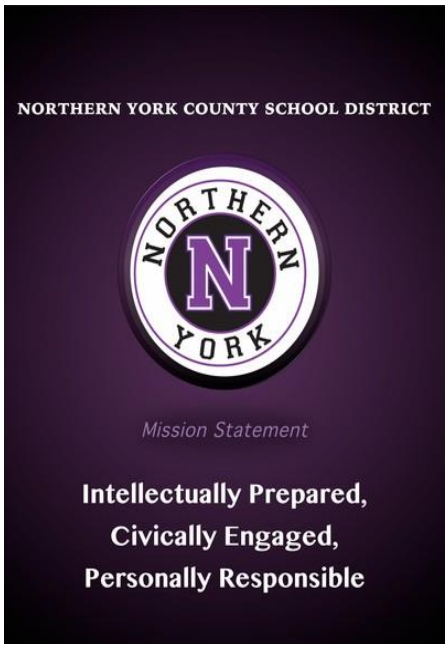
New opportunity for students interested in-
Agricultural Science or STEM Engineering Program

The West Shore Shore School District has established a partnership with Northern York County School District for students interested in a program in **Agricultural Science or STEM Engineering Program.**

The West Shore School District is committed to providing this generation with a quality education serving as a foundation for responsible and successful citizenship.

This agreement between the WSSD and NYCSD allows select Cedar Cliff and Red Land High School students to attend Northern High School in order to participate in either their Agricultural Science or STEM Engineering program. Select Northern High School students may also attend West Shore School District.

- Agricultural Sciences provides instruction through a series of courses in Animal and Plant Sciences, Environmental Science, Natural Resources Management, Agriculture Mechanics and Agriculture Management.
- The Science, Technology, Engineering and Mathematics (STEM) program, delivered through Project Lead the Way curriculum is a series of courses that are designed for students interested in design and engineering.



Two (2) students from each high school may apply each year for the following school year. There are additional requirements governing this agreement. Interested students should contact their counselor prior to the established course selection deadline.

PATHWAY PLANNER

Student Name: _____ Pathway: _____
Graduation Year: _____ Career: _____

	Grade 9	Grade 10	Grade 11	Grade 12	Credits Earned
English	English I 1.0 credit				_____ 4.0 Credits Required
Mathematics					_____ 3.0 Credits Required
Science					_____ 3.0 Credits Required
Social Studies	US History Part II 1.0 credit				_____ 3.0 Credits Required
World Language					_____ 3.0 Credits Recommended
Health & PE	Wellness/Fit I .5 credit	Wellness/Fit II .5 credit			_____ 1.25 Credits Required
Driver Education		Driver Education .25 credit			_____ .25 Credits Recommended
Pathway Electives				Pathway Internship recommended	_____ Credits Will Vary
Other Electives					_____ Credits Will Vary
Credit Status	_____ Total Credits To Be Scheduled Grade 9	_____ Total Credits To Be Scheduled Grade 10	_____ Total Credits To Be Scheduled Grade 11	_____ Total Credits To Be Scheduled Grade 12	Must Earn **22** Credits for Graduation

Additional Notes: _____
_____

BUSINESS, MARKETING, COMPUTERS AND INFORMATION TECHNOLOGY

In selecting the proper Business/Computer Education courses, students should consider their career goals. All students can benefit from any courses in the Business/Computer Education Department. All Business/Computer Education courses should be considered as electives by all students. The Business Education Department concentrates its offerings in three primary directions:

1. Developing saleable skills of the vocationally oriented student in the areas of administrative responsibilities, accounting, retail selling, banking, and other office duties.
2. Making available for all students the personal business courses that will enable them to solve consumer and legal problems they face now and will meet later in life.
3. Providing computer application courses and computer programming courses that prepare students to use technology tools to solve problems and enhance creative thinking.

NOTE: Networking courses are listed under Technology Education.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
333001	Introduction to Business and Entrepreneurship	9-12	6	.50	1.00
333020	Accounting	10-12	6	.50	1.00
333060	Business Law	10-12	6	.50	1.00
333083	Personal Finance	9-12	6	.50	1.00
333663	Computer Applications	9-12	6	.50	1.00
333665	Sports and Entertainment Marketing	10-12	6	.50	1.00
333674	Microsoft Office	9-12	6	.50	1.00
333675	Webpage and Multimedia Design	10-12	6	.5	1.00
333676	College Computer Applications	11-12	6	.50	1.06
303300	Skill Development for Careers	10-12	6	.50	1.00

INTRODUCTION TO BUSINESS AND ENTREPRENEURSHIP
333001

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

This course allows students to discover how a business works and how it impacts lives on a daily basis. Topics presented include entrepreneurship, types of business ownership, marketing, promotion, management, and financing your business. Students will go through a step-by-step process of creating a business and developing a feasibility study. This course is an excellent introductory course for students interested in a business career.

ACCOUNTING
333020

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Accounting is designed to build a foundation in accounting principles and procedures with emphasis being placed on developing habits of accuracy, legibility, promptness, and thoroughness. Accounting will also provide an introduction to

automated accounting techniques. This course provides enough information so the student will be able to analyze and interpret the financial operations of a business. All students who plan to study Business Administration Management or Marketing in college should definitely choose Accounting as an elective.

BUSINESS LAW
333060

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Business Law is designed to enhance students' awareness of business relationships, as well as their legal consequences. Students develop an understanding of the differences and similarities of civil and criminal law and the courtroom procedures related to both. Business Law presents a business approach to selected topics such as law for the minor and consumer, law enforcement, landlord and tenant law, bailment's, contracts and law as it relates to automobile and property insurance. Also covered are laws of agency, wills and inheritance, credit and business organization. This course deals with issues that are essential, and relevant, in the lives of all adults, especially to those individuals interested in pursuing careers in accounting and law.

PERSONAL FINANCE
333083

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

The goal for the students taking this course is to develop the ability to use knowledge and skills to manage their financial resources effectively for a lifetime of financial well-being. Students will cover topics including: paychecks, taxes, financial institutions, budgeting, checking accounts, savings tools, investing, credit cards, credit reports, buying an automobile, auto loans, insurance, and renting an apartment. These topics will not only be discussed but the information will be applied through project-based learning.

COMPUTER APPLICATIONS
333663

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Computer Applications is a class designed for students interested in improving their computer, keyboarding and Internet skills. Introductory concepts of Microsoft Word, PowerPoint and other publishing software will be taught. Time to improve keyboarding skills will also be incorporated in this course.

SPORTS AND ENTERTAINMENT MARKETING
333665

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Students discuss and demonstrate key functions related to sports, entertainment, hospitality, and e-commerce. Multimedia presentations featuring links between the sports and entertainment industries are the clear focus. An e-commerce unit of study allows students to apply textbook and multimedia knowledge to real world situations. Careers in marketing are a central theme throughout the course. Legal and ethical issues are explored.

MICROSOFT OFFICE
333674

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Microsoft Office is a course designed to prepare students for computing efficiency that is essential for college and in the workplace. This course focuses on Microsoft Word, Excel and PowerPoint and prepares students for the Microsoft Office Specialist (MOS) exams in Word and PowerPoint. Microsoft Office certification can improve skills and distinguish students in today's competitive academic environments. The MOS exams are an optional part of the course for a fee of approximately $90 to be paid by the student. Successful completion of the exams will provide a professional credential recognized around the world. This course will also help students earn cost-effective college credit.

WEBPAGE AND MULTIMEDIA DESIGN
333675

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

Students work with HTML and applications to create "live" documents which link text, graphics, animation, sound and video with hypertext and web graphics. This project-based course allows students to produce interactive documents for use with other classes as well as for the internet. Fundamentals of web page design are incorporated into the course. Copyright issues and internet etiquette are also emphasized. This course is only taught at Red Land.

COLLEGE COMPUTER APPLICATIONS
333676

Grade 11-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): .50

This course provides a fundamental understanding of computers and familiarizes students with the interaction of computer hardware and software. Emphasis is on the application of microcomputers and "hands-on" use of software applications, including Microsoft Word, Excel and Access. This is one college computing course; CIS105 as listed in the HACC course catalog. There is a $50.00 per credit course fee ($150.00). Upon the successful completion of the course, students will receive three (3) transferable HACC credits. Students will be required to purchase the CIS105 textbook with an approximate cost of $175.00. Students may also take this course for high school credit at no charge (student still responsible for book fee). Students must pass the reading and

writing AccuPlacer test administered by HACC prior to enrolling in this course.

SKILL DEVELOPMENT FOR CAREERS
303300

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

The course provides the student with skills necessary to be successful in the competitive job market. Students learn that self-esteem, work success, and life satisfaction depend on strong reading, written, and oral communication skills. Students learn the important traits a new employee brings to a position in the business world. In addition, the transition from school to work is highlighted via topics such as money management, personal legal rights, employment counseling, and child labor laws. It is highly recommended that this course be taken during the junior year. It may be, however, taken concurrently with Cooperative Diversified Occupations during the senior year.

COOPERATIVE DIVERSIFIED EDUCATION

Students taking part in the cooperative education program should take at least one of the Microsoft Office courses prior to or concurrent with their Skill Development for Careers course.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
303300	Skill Development for Careers	10-12	6	.50	1.00
306446	Diversified Occupations Internship (Semester)	12	18	1.5	1.00
306447	Diversified Occupations Internship (Full Year)	12	18	3.0	1.00
306454	Pathway Internship (Semester)	12	6	.50	1.00
306455	Pathway Internship (Semester)	12	12	1.0	1.00
306456	Pathway Internship (Full Year)	12	6	1.0	1.00
306457	Pathway Internship (Full Year)	12	12	2.0	1.00

SKILL DEVELOPMENT FOR CAREERS
303300

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

The course provides the student with skills necessary to be successful in the competitive job market. Students learn that self-esteem, work success, and life satisfaction depend on strong reading, written, and oral communication skills. Students learn the important traits a new employee brings to a position in the business world. In addition, the transition from school to work is highlighted via topics such as money management, personal legal rights, employment counseling, and child labor laws. It is highly recommended that this course be taken during the junior year. It may be, however, taken concurrently with Cooperative Diversified Occupations during the senior year.

DIVERSIFIED OCCUPATIONS INTERNSHIP (SEMESTER)
306446

Grade 12 Pds./Cycle: 18
Weight: 1.00 Credit(s): 1.5
Prerequisite(s): To be considered for Co-Op students **must** complete Employability Certificate; approval of review committee

This course provides students with practical on the job training. The program is a cooperative arrangement between the employers and the school. School training, linked with paid work experiences, functions as an organized program of supervised work experiences. During the internship, students will be supervised by the Career Coordinator.

DIVERSIFIED OCCUPATIONS INTERNSHIP (FULL YEAR)
306447

Grade 12 Pds./Cycle: 18
Weight: 1.00 Credit(s): 3.0
Prerequisite(s): To be considered for Co-Op students **must** complete Employability Certificate; approval of review committee

This course provides students with practical on the job training. The program is a cooperative arrangement between the employers and the school. School training, linked with paid work experiences, functions as an organized program of supervised work experiences. During the internship students will be supervised by the Career Coordinator.

PATHWAY INTERNSHIP (SEMESTER)
306454

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Approval of faculty sponsor and review committee and Keystone Exam Proficiency

PATHWAY INTERNSHIP (SEMESTER)
306455

Grade 12 Pds./Cycle: 12
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Approval of faculty sponsor and review committee and Keystone Exam Proficiency
Students interested in applying the skills and knowledge they have learned and developed through specific courses in the high school curriculum may elect this independent study type course for one or two semesters. Each Pathway Internship will be individually tailored to the abilities and interests of the student. The specific content, including a formal written

proposal, will be developed by the student and a faculty sponsor who must be secured by the student and who will agree to assist and supervise the student on a regular basis. If the project is performed outside the school, release time may be granted up to ten periods per week; credit will be assigned on the basis of time devoted to the project. Regardless of the project location, no pay may be accepted by the student. Transportation in all cases will be the student's responsibility. All Pathway Internships will be coordinated, monitored, and evaluated by the Career Coordinator. Proposals for Pathway Internships will be reviewed by a staff committee and approved or disapproved prior to the end of the school year. Tutoring in nearby schools is one alternative for this course. For course eligibility, please refer to Section H- **Keystone Exam Proficiency.**

PATHWAY INTERNSHIP (FULL YEAR) 306456

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Approval of faculty sponsor and review committee and Keystone Exam Proficiency

PATHWAY INTERNSHIP (FULL YEAR) 306457

Grade 12 Pds./Cycle: 12
Weight: 1.00 Credit(s): 2.0
Prerequisite(s): Approval of faculty sponsor and review committee and Keystone Exam Proficiency

Students interested in applying the skills and knowledge they have learned and developed through specific courses in the high school curriculum may elect this independent study type course for one or two semesters. Each Pathway Internship will be individually tailored to the abilities and interests of the student. The specific content, including a formal written proposal, will be developed by the student and a faculty sponsor who must be secured by the student and who will agree to assist and supervise the student on a regular basis. If the project is performed outside the school, release time may be granted up to ten periods per week; credit will be assigned on the basis of time devoted to the project. Regardless of the project location, no pay may be accepted by the student. Transportation in all cases will be the student's responsibility. All Pathway Internships will be coordinated, monitored, and evaluated by the Career Coordinator. Proposals for Pathway Internships will be reviewed by a staff committee and approved or disapproved prior to the end of the school year. Tutoring in nearby schools is one alternative for this course. For course eligibility, please refer to Section H- **Keystone Exam Proficiency.**

ENGLISH

Assignment to a level within the English program is determined by the recommendations of the previous year's English teacher and/or other involved staff.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
700705	Creative Writing	11-12	6	.50	1.00
700706	Creative Writing Seminar	9-10	6	.50	1.00
700716	English I – Level 1	9	6	1.0	1.01
700721	English I – Level 2	9	6	1.0	1.00
700723	English I – Level 3	9	6	1.0	1.00
700717	English II – Honors	10	6	1.0	1.03
700739	English II – Level 1	10	6	1.0	1.01
700726	English II – Level 2	10	6	1.0	1.00
700728	English II – Level 3	10	6	1.0	1.00
700748	English Language and Composition Advanced Placement	11-12	6	1.0	1.06
700743	English III – Level 1	11	6	1.0	1.01
700731	English III – Level 2	11	6	1.0	1.00
700732	English III – Level 3	11	6	1.0	1.00
700749	English Literature and Composition Advanced Placement	12	6	1.0	1.06
700747	English IV – Level 1	12	6	1.0	1.01
700735	English IV – Level 2	12	6	1.0	1.00
700736	English IV – Level 3	12	6	1.0	1.00
700741	Exploring Mass Media	9-12	6	.50	1.00
700757	Mass Media II	10-12	6	1.0	1.01
700742	World Literature – Level 1	12	6	1.0	1.01
700750	Journalism I	10-12	6	.50	1.00
700756	Journalism II	10-12	6	1.0	1.01
700759	College Composition	12	6	1.0	1.06
700776	Theater Arts	9-12	6	.50	1.00
700780	Yearbook Publication	11-12	6	1.0	1.00
700712	Literature Keystone Workshop I	11-12	6	.50	1.00
700713	Literature Keystone Workshop II	12	6	.50	1.00

CREATIVE WRITING
700705

Grades 11-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of English courses and Teacher Recommendation

This course provides students with a comprehensive study of the creative writing process. Students read and examine professional models in various literary genres including, but not limited to, poetry, short story, and drama, and write creatively in these genres. Student expectations include entering a minimum of one writing contest and submitting to student publications. In addition, students edit, copyright, and publish a class Literary Magazine and coordinate and participate in all activities associated with the magazine.

CREATIVE WRITING SEMINAR
700706

Grades 9-10 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course increases the creative writing opportunities for ninth and tenth grade students and supplements the English core writing program. Students explore diverse writing styles and genres using the philosophies of the National Writing Project. Instruction focuses on individualized grammar, mechanics, and writing skills.

ENGLISH I – LEVEL 1
700716

Grade 9 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0

This course emphasizes mastery of the grammar and vocabulary skills necessary for the college-bound student, stresses composition as it relates to grammar and literature, and enhances the understanding and analysis of various literary types.

ENGLISH I – LEVEL 2
700721

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

This course increases proficiency in grammar, vocabulary, and composition skills, emphasizes understanding and appreciation of various literary forms and improves reading comprehension.

ENGLISH I – LEVEL 3
700723

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

This course stresses the development of practical competency in written and spoken English through a study of correct mechanics, usage, spelling, and vocabulary. Emphasis is given to the type of writing which is necessary for the vocationally oriented student, and students strive for improvement in reading and comprehension skills.

ENGLISH II – HONORS
700717

Grade 10 Pds./Cycle: 6
Weight: 1.03 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English I

This course combines grammatical skills and literary concepts necessary for the college-bound student. In-depth class discussion, reaction essays, supplementary vocabulary, additional literary selections, and concentration on composition styles are emphasized. Sentence variation and structure and consolidation of grammar instruction with the study of literature are important parts of the course. Special emphasis is placed on creative evaluative writing, book reviews. All Honors students are required to participate in a summer reading/writing program through reading assigned books and written response, by a predetermined date prior to the start of the new school year. Objectives include the completion of the research paper, the fundamentals of speech communication, and the development of narrative, expository, explanatory, and argumentative composition. A student must successfully complete this course and the graduation project in order to meet graduation requirements.

ENGLISH II – LEVEL 1
700739

Grade 10 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English I

This course stresses mastery of the skills and concepts necessary for the student who needs a strong English background. This rigorous course emphasizes an understanding of grammar and its incorporation with composition. Appreciation of literature is gained through the study of different genres. Related studies include literary terminology, selected vocabulary, book reviews, and a critical analysis of *Julius Caesar*.

ENGLISH II – LEVEL 2
700726

Grade 10 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of English I

This course promotes an understanding of major types of literature, using selections from class anthologies and supplementary sources. A major aim in composition is the strengthening and broadening of personal language skills needed for successful communication.

ENGLISH II – LEVEL 3
700728

Grade 10 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English I

This course emphasizes basic reading, vocabulary, spelling, and composition skills. This course stresses comprehension and universal themes in literature as related to real life situations. Composition emphasizes the type of writing that are necessary for the vocationally oriented student and writing that expresses reactions to literature. Language study focuses on standard usage.

ENGLISH LANGUAGE AND COMPOSITION ADVANCED PLACEMENT
700748

Grades 11-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Teacher Recommendation; Completion of Summer Reading Assignments

This course helps prepare the student to take the **Advanced Placement Test in Language and Composition** and requires extensive student writing. The related readings are challenging and explore such topics as political writing, persuasive writing, autobiographical works, critical analysis, letters, etc. Students are required to participate in a summer reading/writing program. Each student is expected to read all assigned books and respond, in writing, by a predetermined date prior to taking this course. This course may be taken as the junior English required course or as an elective course in the senior year.

ENGLISH III – LEVEL 1
700743

Grade 11 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of English II

Recommended for those students who plan to attend college, this course is comprised of contextual vocabulary study and various aspects of grammar and composition. In composition, the writing of logical, well-developed, mechanically correct sentences, paragraphs, and essays is emphasized. This course examines, analyzes, and interprets the various literary forms within American literature from 1607 to the present day.

ENGLISH III – LEVEL 2
700731

Grade 11 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of English II

Through this course, students come to know America's heritage through a survey of its literature from the Colonial Period through the Twentieth Century. Key American writers and their works are studied and discussed in relation to their historical period. Rules on usage, punctuation, and spelling are emphasized. Compositions consist of various types of writing, including paragraphs, essays, letters, and journals. Oral communication, library skills, and vocabulary improvement are emphasized.

ENGLISH III – LEVEL 3
700732

Grade 11 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English II

This course is designed for students who need remedial work in English, particularly reading comprehension, punctuation, sentence structure, grammar, word usage, letter writing, and understanding everyday forms. The student also reacts to general literary forms through speech and composition.

ENGLISH LITERATURE AND COMPOSITION ADVANCED PLACEMENT
700749

Grade 12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Teacher Recommendation; Completion of Summer Reading Assignments

The materials studied in this course prepare students for taking the **Advanced Placement Test in Literature and Composition**. The course aims to pursue the study of literary analysis through examination of selected genres of English and world literature. Students react to the literature through all phases of expository writing, including argumentation, persuasion, précis, cultural review, formal essay, and small group discussion of form, content, and style. All Advanced Placement students are required to participate in a summer reading/writing program in which they are expected to read all assigned books and complete all written assignments by a predetermined date prior to the start of the new school year.

ENGLISH IV – LEVEL 1
700747

Grade 12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of English III

The aims of this course are to enrich vocabulary, to continue the study of literary analysis through reading and appreciation of English literature from the Anglo-Saxon period to the modern period, and to emphasize all phases of expository writing, including argumentation, persuasion, the précis, and the critical review. Elements of research are reinforced, and independent reading is required. This course is recommended for those students planning to enter college or seeking a more challenging English course.

ENGLISH IV – LEVEL 2
700735

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English III

This course continues the study of literary analysis with a focus on English literature. A sequential writing program with vocabulary enrichment and oral communication is followed throughout the year. Emphasis in writing is placed upon expository, analytical, argumentative and descriptive approaches. Within these frameworks, the structure, usage, dictation, style, and mechanics of linguistics are explored.

ENGLISH IV – LEVEL 3
700736

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory completion of English III

This course is designed to help students explore English literature with increased understanding and clearer expression in both oral and written communication. To achieve these aims, emphasis is placed on reading for comprehension; writing well-organized paragraphs, letters, and essays; learning and practicing life skills; reviewing functional grammar (usage and punctuation); and presenting speeches and oral reports.

EXPLORING MASS MEDIA
700741

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course stresses the basic operation and function of media tools in the television and film industries. Specific areas include the use of digital video camcorders, state-of-the-art computer hardware/software, storyboarding, and performing. Students explore the use of a media studio and participate in writing, producing, and directing video productions. Students analyze selected television shows and film clips, as well as write and produce various productions in both a group and individual environment.

MASS MEDIA II
700757

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):.1.0
Prerequisite(s): Satisfactory Completion of Exploring Mass Media and Teacher Recommendation

The focus of this course is on digital video and advanced film and television techniques. Students will build upon the basic structure of filmmaking learned in Mass Media I including preproduction, production and post-production phases. The digital video units include the creation of a public service announcement, a television commercial and a documentary. Advanced production techniques include the use of specialized lighting, sound, and script/storyboard writing. The ability to work independently in class and outside of the school setting is a must.

WORLD LITERATURE – LEVEL 1
700742

Grades 12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of English courses and Teacher Recommendation

This course includes the study of works from famous and popular world authors currently not studied in the required English courses. Reading selections include novels, short stories, poetry, and drama. This course meets the senior English requirement.

JOURNALISM I
700750

Grades 10-12 Pds./Cycle:6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of English courses and Teacher Recommendation

This course provides a comprehensive study of American journalism. Emphasis is placed on a brief history of the American newspaper, the power and responsibility of the press, and the various means of news gathering and types of news writing. Students learn to write in various journalistic styles and are able to explain the process of newspaper publication from news gathering to newspaper distribution. They may work on the school newspaper as reporters, using word processing and desktop publishing technology.

JOURNALISM II
700756

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of Journalism I and Teacher Recommendation

This course is taught using a hands-on workshop format in which students develop individual skills in all phases of publication of the high school newspaper. Students plan each issue, working as reporters, editors, layout personnel, and business managers throughout the semester. Stories are written using word processing applications, and the newspaper is produced using desktop publishing technology. Students who select this course should be highly motivated and capable of working semi-independently since the course requires outside class time to conduct interviews and cover stories.

COLLEGE COMPOSITION
700759

Grade 12 Pds./Cycle: 6
Weight: 1.06 Credit(s):1.0
Prerequisite(s): Successful completion of minimum sixteen (16) credits, maintained a GPA 86% and Teacher Recommendation

College Composition is designed for the development of fluency in writing clear, forceful, effective prose. It helps students develop the reasoning, reading, and writing skills necessary for successful work at the college level. Students

may elect to take this class for college credit after placement through the College Placement Test provided by Harrisburg Community College (HACC). Application fees and course fees are required for college credit.

THEATER ARTS
700776

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This introductory course is designed for the student who wants to act in major plays, musicals, and competitive theater at the high school or career level or who simply wants an introduction to the theater. Emphasis is on acting, play analysis, and play directing. Make-up techniques, basic set and costume design, and a brief history of theater are included.

YEARBOOK PUBLICATION
700780

Grades 11-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

Prerequisite(s): Satisfactory completion of English courses and Teacher Recommendation

The objective of this course is not only to create the school yearbook, but to prepare students for a journalistic profession. The course involves direct experience with these journalistic skills: organization, drawing and design, layout, financing, and production, as well as writing, editing, and proofreading. Students taking this course should plan to follow through the production cycle through the spring semester.

LITERATURE KEYSTONE WORKSHOP I
700712

Grades 11-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide remediation to any student who does not score at the proficient level or above on the Keystone Exam administered upon completion of the English II course in grade 10. Non-proficient students must participate in remediation and retesting until proficiency is achieved. Passing the Keystone Exam is a graduation requirement for all students in the class of 2019 and beyond.

LITERATURE KEYSTONE WORKSHOP II
700713

Grades 12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide further focused instruction on areas in need of growth for those students not scoring proficient or above after retesting on the Literature Keystone Exam. The course will prepare students to retake the Keystone and/or successfully complete the project-based assessment. With two unsuccessful Keystone Exam attempts, a student will be eligible to demonstrate proficiency through the completion of a project-based assessment (PBA). Proficiency on this project-based alternative will satisfy the Keystone graduation requirement for all students in the class of 2019 and beyond. Successful completion of the course does not mean successful completion of the PBA.

ENGLISH LANGUAGE LEARNERS

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
700760	English for the English Language Learner I	9-12	6	1.0	1.00
700762	English for the English Language Learner II	9-12	6	1.0	1.00
700764	English for the English Language Learner III	9-12	6	1.0	1.00

ENGLISH FOR THE ENGLISH LANGUAGE LEARNER I
700760

Grade(s) 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Diagnostic Assessment

This course is for English Language Learners (ELL) with beginning English skills. The class focuses on developing a foundation of reading, writing, speaking and listening comprehension skills. Course content focuses on developing language for both real-world and classroom settings. Students will explore strategies that increase language and content learning in all classes. Writing skills focus on writing clear sentences and organized paragraphs.

ENGLISH FOR THE ENGLISH LANGUAGE LEARNER II
700762

Grade(s) 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Diagnostic Assessment

This course is for English Language Learners (ELL) with intermediate English skills. The content builds on the reading, writing, listening and speaking skills developed in English for the ELL 1. There is a continued focus on developing reading comprehension strategies that help in real-world and academic settings. Students will explore the components and organization of fiction and nonfiction literature. Writing skills developed include writing well-organized opinion and expository essays.

ENGLISH FOR THE ENGLISH LANGUAGE LEARNER III
700764

Grade(s) 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Diagnostic Assessment

This course is for English Language Learners (ELL) with advanced skills who will be entering the grade level English classroom the following semester or graduating from high school. Class content builds on the reading, writing, listening and speaking skills in English for the ELL 1 and ELL 2. Various forms of fiction and nonfiction are explored including short stories, novels and plays. Speaking skills focus on writing and delivering speeches and presentations. Writing skills focus on improving essay writing and exploring the process and organization of research writing.

HEALTH AND PHYSICAL EDUCATION AND DRIVER EDUCATION

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
222140	Wellness/Fitness I	9	6	.50	1.00
222160	Physical Education-Adaptive (Full Year)	9-12	3	.50	1.00
222251	Wellness/Fitness II	10	3	.25	1.00
222420	Physical Education	11-12	6	.50	1.00
222462	Sports Leadership	12	6	.50	1.00
222470	Applied Sports Medicine I	9-12	6	.50	1.00
222471	Applied Sports Medicine II	10-12	6	.50	1.00
222481	Personal Fitness and Strength Training I	9-12	6	.50	1.00
222482	Personal Fitness and Strength Training II	10-12	6	.50	1.00
222491	Endurance Training in the Pool	9-12	6	.50	1.00
222492	Swimming and Skill Proficiency	9-12	6	.50	1.00
224010	Driver Education	10	3	.25	1.00

WELLNESS/FITNESS I
222140

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

Wellness/Fitness I is a progressive co-educational program designed to encourage body fitness and to improve individual motor skills through team oriented activities. Sound health practices that encourage a favorable self-image and sensitivity toward others are stressed throughout the entire program. This course emphasizes the development of good attitudes, practices, habits, and the improvement of individual, family, and community health. Students gain knowledge and competence through exposure to teacher elected topics from the following units: Students who do not pass the Wellness/Fitness I course must make up the exact course.

Health Units	Activity Units	
Consumer Health	Aquatics	Softball
Death and Dying	Basketball	Soccer
Diseases	Cardiovascular Activities	Team Handball
Fitness and Nutrition	CPR and First Aid	Track & Field
HIV/AIDS/Sexually Transmitted Disease	Field Hockey	Tumbling
Human Growth and Development	Fitness Testing	Volleyball
Mental Health	Football	Weight Training
Safety and First Aid	Lacrosse	Wrestling
Substance Abuse and Violence	Self-Defense	

PHYSICAL EDUCATION - ADAPTIVE (FULL YEAR)
222160

Grades 9-12 Pds./Cycle: 3
Weight: 1.00 Credit(s):.50
Prerequisite(s): Doctor or Teacher Recommendation

Activities of this physical education program are designed to meet the needs of individual students who are recommended for the course.

WELLNESS/FITNESS II
222251

Grade 10 Pds./Cycle: 3
Weight: 1.00 Credit(s):.25

This is a progressive co-education program designed to encourage body fitness and to improve individual motor skills through team-oriented activities. Students who choose Wellness/Fitness II must also elect Driver Education.

PHYSICAL EDUCATION
222420

Grades 11-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This is a diversified and vigorous co-educational physical activities program designed to encourage body fitness, improve individual motor skills, and develop sensitivity toward the abilities of others. Lifetime sports and recreation activities are emphasized so the student can clearly see the value of participation in physical activity as a means to a healthier, happier life. Each year a different group of activities is offered. The electives may include, but are not limited to, the activities listed below:

Aerobic Activities	Fitness Walking	Soccer/Speedball
Archery	Golf	Softball
Basketball	Health Concepts	Tennis
Bowling	Lacrosse	Tumbling
Dance	Orienteering	Volleyball
First Aid/CPR	Racquet Sports	Walking/Jogging
Fitness Training	Skating	Weight Training

SPORTS LEADERSHIP
222462

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of required core physical education course and Teacher Recommendation

This course is designed to meet the needs and interests of those students who may be interested in furthering their knowledge and skills in preparation for a health and physical education career or for those students who may simply enjoy physical education and desire a more in-depth study in that area. The course provides opportunities for students to instruct other students and receive instruction in the mechanics of officiating and coaching, game play, and strategies associated with a variety of sports. Class instruction includes the physiological, biological, and psychological aspects of exercise and sport. This course satisfies .50 credits of Physical Education for grades 11 or 12.

APPLIED SPORTS MEDICINE I
222470

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Teacher Recommendation

This course is designed to meet the needs of students interested in exploring aspects of the care and prevention of athletic injuries. This course is designed to be a practical application of up-to-date taping techniques, therapeutic modalities and rehabilitation procedures used specifically in athletics. Students are required to assist in the training room and work with athletic teams after school. Class instruction includes nutrition, conditioning, anatomy, and other topics specific to sports medicine.

APPLIED SPORTS MEDICINE II
222471

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Applied Sports Medicine I and Teacher Recommendation

This course is designed to meet the needs of students interested in further exploring aspects of the care and prevention of athletic injuries. This course is designed to be a practical application of up-to-date taping techniques, therapeutic modalities and rehabilitation procedures used specifically in athletics. Students are required to assist in the training room and work with athletic teams after school. Class instruction includes nutrition, conditioning, anatomy, and other topics specific to sports medicine.

PERSONAL FITNESS AND STRENGTH TRAINING I
222481

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Teacher Recommendation

This course introduces, builds, and maintains strength and endurance with the objective to make the body healthier. The course molds and changes attitudes about exercise physiology, benefits of exercise, exercise and weight loss, and exercise programs. Students achieve fitness through involvement in individually designed physical fitness routines that include components of cardiovascular, flexibility, muscular, strength steps, and aerobic training. This course satisfies .50 credits of Physical Education for grades 11 or 12.

PERSONAL FITNESS AND STRENGTH TRAINING II
222482

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Personal Fitness and Strength Training I and Teacher Recommendation

Personal Fitness and Strength Training II is designed to go beyond the basic training fundamentals applied to Personal Fitness and Strength Training I. This course will offer students the opportunity to work towards stabilizing and increasing the flexibility of joints, thus increasing the physical strength and power of the body. Students will target specific muscle groups, training each with safe techniques through a full range of motion using isotonic application. This course satisfies .50 credits of Physical Education for grades 11 or 12.

ENDURANCE TRAINING IN THE POOL
222491

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This program will offer a challenging endurance training session for athletes or experienced swimmers of all abilities. This course satisfies .50 credits of Physical Education for grades 11 or 12.

SWIMMING AND SKILL PROFICIENCY
222492

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

Refines the basic swim strokes so participants swim them with ease, efficiency, power and smoothness over greater distances. The course is designed with "menu" options that focus on preparing students for more advanced swimming courses, including Water Safety instructor, or other aquatic activities, such as competitive swimming or diving. This course satisfies .50 credits of Physical Education for grades 11 or 12.

DRIVER EDUCATION
224010

Grade 10 Pds./Cycle: 3
Weight: 1.00 Credit(s):.25

This course must be scheduled in combination with Wellness and Fitness II.

Theory: The theory course includes the study of good driving habits, judgment and foresight, as well as defensive driving techniques. Students also study the state driving manual and the laws of nature as they apply to driving. In order to understand the complexity of driving, students study the effects of alcohol and drugs on driving performance and the physical, mental, and emotional factors that affect performance.

Behind-the-Wheel*: This practical phase is not offered by West Shore School District. Students may opt to pay for this experience which involves six (6) hours of behind-the-wheel training to meet the Pennsylvania Department of Education requirements. Students are exposed to most driving situations and conditions relating to local, rural, expressway, and city driving. Students must contact the driver education instructor for information on how to schedule Behind-the-Wheel time.

*NOTE: Upon satisfactory completion of theory and behind-the-wheel requirements, students may qualify for an insurance rate reduction and/or a senior license at age 17 1/2.

JUNIOR RESERVE OFFICERS' TRAINING CORPS COURSES (JROTC)

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
000050	Junior Reserve Officers' Training Course (JROTC) I	9-12	6	.50	1.00
000055	Junior Reserve Officers' Training Course (JROTC) II	9-12	6	.50	1.00
000060	Junior Reserve Officers' Training Course (JROTC) III	10-12	6	.50	1.01
000065	Junior Reserve Officers' Training Course (JROTC) IV	10-12	6	.50	1.03

JUNIOR RESERVE OFFICERS' TRAINING COURSE (JROTC) I
000050

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

The first year of the Leadership, Education, and Training (LET) course provides an introduction into the Junior Reserve Officers' Training Corps (JROTC). The program's mission is to motivate young people to be better citizens. Activities to develop leadership and management skills are stressed. This course uses military skills to teach self-discipline, confidence, and pride in communications skills, promotes and encourages citizenship through participation in community service projects, and develops leadership potential. Students are required to wear uniforms once a week.

JUNIOR RESERVE OFFICERS' TRAINING COURSE (JROTC) II
000055

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Satisfactory completion of JROTC I

The second year of the Leadership, Education, and Training (LET) course builds on what was learned during JROTC I, with an emphasis placed on further development of leadership ability, oral communications, drill and ceremonies, first aid skills and map reading. Students are placed in

leadership positions and are expected to demonstrate the ability to work cooperatively with others. Course content prepares students to succeed both in school and after graduation. Students are required to wear uniforms once a week.

JUNIOR RESERVE OFFICERS' TRAINING COURSE (JROTC) III
000060

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): .50
Prerequisite(s): Satisfactory completion of JROTC II

The third year of the Leadership, Education, and Training (LET) course places more emphasis on leadership within the JROTC cadet battalion. By taking on added responsibility, students gain more leadership skills to help them succeed during and after high school. Duties and responsibilities of a leader are applied to the areas of drill and ceremonies and American citizenship. Students are required to wear uniforms once a week.

JUNIOR RESERVE OFFICERS' TRAINING COURSE (JROTC) IV
000065

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): .50
Prerequisite(s): Satisfactory completion of JROTC III

The final year of the Leadership, Education, and Training (LET) course places primary emphasis on the practical application of the student's leadership duties and responsibilities with the cadet battalion. Students receive practical experiences in problem-solving, group management, and challenges in leadership. Students apply the principles of the planning process, decision making/problem-solving process, and supervisory techniques in fulfilling course requirements. The importance of American history through the 20th Century is covered. The course uses group dynamics to plan and conduct inspections and ceremonies. Continued emphasis is placed on community service projects. Students are required to wear uniforms once a week.

MATHEMATICS

In selecting the proper mathematics courses, students should consider their career goals and how much emphasis they should place on mathematics. The following information and suggestions should be used by students and their parents as a helpful guide in determining the appropriate courses and program. The mathematics program is designed for all students who are planning to further their education beyond high school, either through the work force or post-secondary education. Based upon the highest level of mathematics completed in middle school, students should follow one of the following recommended sequences:

1.
1). Algebra I
2). Geometry
3). Algebra II
4). Pre-Calculus
5). Math Elective

2.
1). Geometry
2). Algebra II or IIA
3). Pre-Calculus or A
4). Calculus
5). Math Elective

3.
1). Algebra II or IIA
2). Pre-Calculus or A
3). Calculus BC AP and/or Statistics AP

After consultation with their guidance counselor and mathematics teacher, students and their parents should have a better understanding of the courses and program which are most appropriate for their situation.

Placement within a specific level of mathematics course or into an advanced subject is based to a great extent upon the recommendation of the previous year's mathematics teacher and the student's performance in previous courses.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
800808	Algebra I	9-12	6	1.0	1.00
800809	Algebra II	9-12	6	1.0	1.00
800810	Algebra II Essentials	9-12	6	1.0	1.00
800816	Algebra IIA	9-12	6	1.0	1.03
800820	Statistics Advanced Placement	11-12	6	1.0	1.06
800830	Calculus BC Advanced Placement	11-12	9	1.5	1.06
800837	Calculus	11-12	6	1.0	1.03
800887	College Algebra and Trigonometry	10-12	6	1.0	1.01
800862	Geometry	9-12	6	1.0	1.00
800861	Geometry Essentials	9-12	6	1.0	1.00
800873	Probability and Statistics	11-12	6	1.0	1.01
800892	Pre-calculus	10-12	6	1.0	1.01
800893	Pre-calculus A	10-12	6	1.0	1.03
800827	Algebra I Keystone Workshop I	9-12	6	.50	1.00
800828	Algebra I Keystone Workshop II	10-12	6	.50	1.00

ALGEBRA I
800808

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

This course helps students understand the structures and techniques of algebra and expects them to become proficient in applying algebraic concepts and skills. Students build their knowledge of number systems and properties of operations that justify simple algebraic skills. Topics include the real number system, solving linear equations and inequalities, polynomial operations, and the rectangular coordinate system. operations with polynomials, factoring of polynomials, operations with rational expressions, operations with quadratic equations, and solving and graphing systems of equations and inequalities.

ALGEBRA II
800809

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Geometry or concurrent enrollment in Geometry with Teacher Recommendation

This course furthers students' knowledge of algebraic concepts and increase skills in algebraic computations. The first part of the course is designed to review skills and concepts learned in Algebra, as well as to introduce some advanced problems connected with these techniques. Topics covered include relations and functions, irrational numbers, quadratic equations, quadratic systems, complex numbers, and polynomial functions. Matrices and determinants, exponential functions, and logarithms may also be introduced.

ALGEBRA II ESSENTIALS
800810

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Geometry or concurrent enrollment in Geometry with Teacher Recommendation

This course furthers students' knowledge of algebraic concepts and increase skills in algebraic computations. The first part of the course is designed to review skills and concepts learned, or not learned in Algebra I as well as introduce some advanced problems connected with these techniques. Topics covered include relations and functions, irrational numbers, quadratic equations, quadratic systems, complex numbers, and polynomial functions.

ALGEBRA IIA
800816

Grades 9-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Geometry or concurrent enrollment in Geometry with Teacher Recommendation

This course furthers students' knowledge of algebraic concepts and increases skills in algebraic computations. The first part of the course is designed to review skills and concepts learned in Algebra, as well as to introduce some advanced problems connected with these techniques. Topics covered include relations and functions, irrational numbers, quadratic equations, quadratic systems, complex numbers, and polynomial functions. Concepts and skills in Trigonometry may be part of this course. Matrices and determinants, exponential functions, and logarithms may also be introduced. It is strongly suggested that only students with an "A" average in the previous algebra courses elect this course.

CALCULUS BC ADVANCED PLACEMENT
800830

Grades 11-12 Pds./Cycle: 9
Weight: 1.06 Credit(s): 1.5
Prerequisite(s): Satisfactory Completion of Pre-calculus and Teacher Recommendation

This is a calculus course equivalent to one full year of college work. This course requires considerable effort and rigor on the students' part. Topics covered include, but are not limited to, derivatives, limits, integrals, polar, parametric, and vector functions, infinite series, and differential equations. This course is designed for students who intend to take the BC level of the Advanced Placement Exam in calculus. A graphing calculator is required for this course. The TI-89 Titanium is recommended.

CALCULUS
800837

Grades 11-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Pre-calculus

Calculus is an advanced mathematics course for students who wish to pursue a career in a field directly related to mathematics or the physical sciences. It provides the equivalent of at least one semester of college work in calculus. Topics covered include algebra of functions, limits, derivatives, and integrals. A graphing calculator is required for this course. The TI-89 Titanium is recommended.

COLLEGE ALGEBRA AND TRIGONOMETRY
800887

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra II and Geometry

This course develops two areas of study: College Algebra and Trigonometry. College Algebra continues the concepts of functions developed in Algebra II. The study of Trigonometry includes the six basic functions, identities, and applications. This course does not meet the prerequisite for Calculus or Calculus Advanced Placement. This course may not be taken concurrently with or after successful completion of Pre-calculus.

STATISTICS ADVANCED PLACEMENT
800820

Grades 11-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Satisfactory Completion of Algebra II (preferred Algebra IIA)

Statistics Advanced Placement is a full year, one (1) credit course designed to follow the AP statistics curriculum as outlined by the College Board. The course will provide an introduction to statistical methods and data analyses that are common to a first level collegiate course. Topics in both descriptive and inferential statistics will be addressed.

GEOMETRY
800862

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra I

This course explores the basic structure of geometry and develops an understanding and appreciation of deductive logic in mathematics. The course is designed to strengthen algebraic skills, develop powers of spatial visualization, and assist students to grow in the understanding of the deductive method and the need for precision of language.

GEOMETRY ESSENTIALS
800861

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra I or concurrent enrollment in Algebra I with Teacher Recommendation

This course explores the basic structure of geometry and develops an understanding and appreciation of deductive logic in mathematics. The course is designed to confirm or strengthen algebraic skills, develop powers of spatial visualization, and assist students to grow in understanding of the deductive method and the need for precision of language.

PROBABILITY AND STATISTICS
800873

Grades 11-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra II and Geometry

This course introduces students to the language and methods of probability and statistics. It provides the basic statistical ideas needed in such areas as sociology, business, ecology, economics, education, medicine, psychology, and mathematics. Probability and Statistics develops a basic understanding of those areas using the mathematical tools of high school algebra.

PRE-CALCULUS
800892

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra II or Algebra IIA

The topics in this course include linear relations and functions, the theory of equations, matrices and determinants, vectors, polar coordinates, polar graphing, complex numbers, exponential and logarithmic functions, and curve sketching. Other topics that may be covered are sequences and series, transformational geometry, conic sections, trigonometric functions and applications, and parametric equations. This course prepares the student for taking Calculus. Graphing Calculators will be used extensively in this course. We recommend the TI-89 (especially if the student plans to take calculus), but the TI-83 or TI-84 are acceptable for this course. A limited number of school-owned calculators are available.

PRE-CALCULUS A
800893

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra II or Algebra IIA

The topics in this course include linear relations and functions, the theory of equations, matrices and determinants, vectors, polar coordinates, polar graphing, complex numbers, exponential and logarithmic functions, and curve sketching. Other topics that may be covered are sequences and series, transformational geometry, conic sections, trigonometric functions and applications, and parametric equations. This course prepares the student for taking Calculus. Graphing Calculators will be used extensively in this course. We recommend the TI-89 (especially if the student plans to take calculus), but the TI-83 or TI-84 are acceptable for this course. A limited number of school-owned calculators are available. It is strongly suggested that only students with an "A" average in the previous Algebra course elect this course.

ALGEBRA I KEYSTONE WORKSHOP I
800827

Grade 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide remediation to any student who does not score at the proficient level or above on the Keystone Exam administered upon completion of the Algebra I course. Non-proficient students must participate in remediation and retesting until proficiency is achieved. Passing the Keystone Exam is a graduation requirement for all students in the class of 2019 and beyond.

ALGEBRA I KEYSTONE WORKSHOP II
800828

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide further focused instruction on areas in need of growth for those students not scoring proficient or above after retesting on the Algebra Keystone Exam. The course will prepare students to retake the Keystone and/or successfully complete the project-based assessment. With two unsuccessful Keystone Exam attempts, a student will be eligible to demonstrate proficiency through the completion of a project-based assessment (PBA). Proficiency on this project-based alternative will satisfy the Keystone graduation requirement for all students in the class of 2019 and beyond. Successful completion of the course does not mean successful completion of the PBA.

MUSIC

Selection for the performing music ensembles such as band, chorus, and orchestra are open to all students. Students in any instrumental organization must have played an instrument prior to selecting either course. Selection for Wind Ensemble, Chamber Singers, and Music Theory are based upon audition or teacher recommendation. Participation in performance-oriented courses requires student attendance and participation in concerts and rehearsals outside the school day as part of the course work. Music ensembles are scheduled during the flex period to enable students to select several scheduled performance ensembles.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
777006	Chamber Singers (Full Year)	9-12	6	1.0	1.01
777008	Chamber Singers (Full Year)	9-12	3	.50	1.01
777010	Concert Choir (Full Year)	9-12	6	1.0	1.00
777015	Concert Choir (Full Year)	9-12	3	.50	1.00
777100	Concert Band (Full Year)	9-12	6	1.0	1.00
777105	Concert Band (Full Year)	9-12	3	.50	1.00
777311	Comprehensive Musicianship (Semester)	10-12	6	.50	1.01
777512	Symphonic Wind Ensemble (Full Year)	9-12	3	.50	1.01
777313	Jazz Improvisation and Small Ensemble Techniques (Semester)	10-12	6	.50	1.00
777400	Orchestra (Full Year)	9-12	6	1.0	1.00
777405	Orchestra (Full Year)	9-12	3	.50	1.00
777510	Symphonic Wind Ensemble (Full Year)	9-12	6	1.0	1.01
777515	Music Recording Technology	9-12	6	.50	1.00

CHAMBER SINGERS (FULL YEAR)
777006

Grades 9-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Audition

Chamber Singers is an advanced level performance-oriented course. Students have the opportunity to study and perform various styles of choral music which are considerably more difficult than those in lower level courses. Because of the nature of this course, students are required to devote out-of-school time to rehearsal and performance as outlined by the instructor at the beginning of the year. Sectional rehearsals are a part of this experience and are scheduled on an individual or small group basis.

CHAMBER SINGERS (FULL YEAR)
777008

Grades 9-12 Pds./Cycle: 3
Weight: 1.01 Credit(s):.50
Prerequisite(s): Audition
This half-credit course mirrors the content of Chamber Singers and should be selected only in conjunction with symphonic wind ensemble

CONCERT CHOIR (FULL YEAR)
777010

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Discussion with Guidance Counselor/Ability to Match Pitch

This course offers students an opportunity to study and perform various styles of choral music. Solo singing techniques, sight reading, and part-singing are presented.

Sometime after school is required for rehearsals and performances. These are outlined by the instructor at the beginning of the year. Sectional rehearsals are a part of this experience and are scheduled on an individual or small group basis.

CONCERT CHOIR (FULL YEAR)
777015

Grades 9-12 Pds./Cycle: 3
Weight: 1.00 Credit(s):.50
This half-credit course mirrors the content of Concert Choir).

CONCERT BAND (FULL YEAR)
777100

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

Concert Band is a performance-oriented course that aims to develop a high degree of musicianship in each student using band literature from all areas, including classical transcriptions, Broadway shows, marches, and contemporary educational experiences. Other groups offering additional opportunities as an outgrowth of the band include jazz ensembles, brass ensembles, and woodwind ensembles. Students must demonstrate an ability to perform on an instrument at an acceptable level to allow for success or, in some instances, a desire to learn how to play a musical instrument. Due to the nature of this course, it is understood that rehearsals and concerts outside of the school day are required. Sectional rehearsals are a part of this experience and are scheduled on an individual or small group basis.

CONCERT BAND (FULL YEAR)
777105

Grades 9-12 Pds./Cycle: 3
Weight: 1.00 Credit(s): 50

This half-credit course mirrors the content of Concert Band. This course option is intended for those students who share their time with chorus or orchestra.

COMPREHENSIVE MUSICIANSHIP (SEMESTER)
777311

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 50
Prerequisite(s): Recommendation of Instructor

Comprehensive Musicianship I explores multiple facets of music in order to provide students with a solid foundation for superior performance skills and a fundamental understanding for the art form. Students will be involved in music theory and composition, ear training, music technology, piano, and the history and literature of music.

SYMPHONIC WIND ENSEMBLE (FULL YEAR)
777512

Grades 9-12 Pds./Cycle: 3
Weight: 1.01 Credit(s): 50
Prerequisite(s): Audition

This half-credit course mirrors the content of Symphonic Wind Ensemble and should be selected only in conjunction with Chamber Singers.

JAZZ IMPROVISATION AND SMALL ENSEMBLE TECHNIQUES (SEMESTER)
777313

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Audition and Teacher Recommendation

Jazz Improvisation and Small Ensemble Techniques engages students in small group explorations of repertoire and exercises designed to develop musicianship, self-expression and creativity through improvisation.

ORCHESTRA (FULL YEAR)
777400

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0

This performance-oriented course, offers string students an opportunity to study and perform a wide variety of music literature from the standard orchestra repertoire in addition to contemporary and popular music. Orchestra members are encouraged to study solo literature and to participate in small musical groups such as duets, trios, quartets, and ensembles. Sectional rehearsals are part of this experience and are scheduled on an individual basis. Due to the nature of the course, it is understood that rehearsals and concerts outside of the school day are required.

ORCHESTRA (FULL YEAR)
777405

Grades 9-12 Pds./Cycle: 3
Weight: 1.00 Credit(s): 50

This half-credit course mirrors the content of Orchestra.
This course is intended for students who share their time with Chorus or Band.

SYMPHONIC WIND ENSEMBLE (FULL YEAR)
777510

Grades 9-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Audition

This course is an advanced level performance-oriented course which aims to further an already proficient level of musicianship in those students who are interested in performing advanced band literature. All aspects of literature

are examined, with special emphasis on those areas that offer a challenge to each musician. Additional ensembles are an outgrowth of this group as offered above. Due to the nature of this course, it is understood that rehearsals and performances outside of the school day are required. Sectional rehearsals are a part of this experience and are scheduled on an individual or small group basis.

MUSIC RECORDING TECHNOLOGY
777515

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

This course is designed to familiarize the student with the current uses of computers, synthesizers and software associated with the contemporary music industry while developing a foundation of music theory and musicianship. This course is only taught at Cedar Cliff.

SCIENCE

The science program is designed to provide all students with a program that addresses individual interests and abilities. It is recommended that college bound students choose a biology, a chemistry, and a physics course to be competitive in the college admissions process. **Four or more science courses are highly recommended for those students who anticipate a career in the science field.** Placement within a specific level of a science course or into an advanced subject is based, to a great extent, upon the recommendation of the previous year's science teacher and the student's performance in previous courses. The following are suggested course sequencing possibilities for students in the West Shore School District.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
900901	Astronomy	10-12	6	1.0	1.00
900903	Space Science	10-12	6	.50	1.00
900917	Biology I – Level 1	9-12	6	1.0	1.01
900911	Biology I – Level 2	10-12	6	1.0	1.00
900912	Biology I – Level 3	10-12	6	1.0	1.00
900914	Biology I – Part 2	10-12	6	.50	1.00
900919	Biology II Anatomy and Physiology	10-12	6	.50	1.03
900929	Biology II Populations	10-12	6	.50	1.01
900918	Biology Advanced Placement (Full Year)	10-12	9	1.5	1.06
900956	Ecology	10-12	6	.50	1.00
900946	Environmental Science	10-12	6	.50	1.00
900931	Chemistry I – Qualitative	10-12	6	1.0	1.00
900937	Chemistry I – Quantitative	10-12	6	1.0	1.01
900944	Chemistry II Inorganic	10-12	6	.50	1.03
900943	Chemistry – Advanced Placement (Full Year)	11-12	9	1.5	1.06
900951	Chemistry II Organic	10-12	6	.50	1.03
900966	Geology	10-12	6	.50	1.00
900967	Meteorology	10-12	6	.50	1.00
900970	Physical Science – Level 1	9	6	1.0	1.00
900972	Physical Science – Level 2	9	6	1.0	1.00
900982	Physics I Survey	10-12	6	.50	1.00
900983	Physics I Mechanics	10-12	6	1.0	1.01

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
900987	Physics II Electricity and Magnetism	10-12	6	.50	1.00
900994	Physics C: (Mechanics) Advanced Placement	10-12	9	1.5	1.06
900998	Physics C: (Electricity and Magnetism) Advanced Placement	10-12	6	1.0	1.06
900991	Biology Keystone Workshop I	10-12	6	.50	1.00
900992	Biology Keystone Workshop II	11-12	6	.50	1.00

Below are three possible science course sequences recommended by the high school science staff.

SUGGESTED SCIENCE SEQUENCES

	College Bound Science/Math Major	**College Bound Non-Science/Math Major**	**Non-College Bound**
Course 1 Options	Biology I L-1	Physical Science L-1	Physical Science L-2
Course 2 Options	Chemistry I Quantitative	Biology I L-1 Biology I L-2	Biology I L-2 Biology I L-3
Course 3 Options	Physics I Mechanics Physics C: (Mechanics) AP	Chemistry I Qualitative Chemistry I Quantitative Physics I Survey Physics I Mechanics	Ecology Environmental Science Geology Space Science Physics I Survey
Additional Options/ Selections	Astronomy Biology II Anatomy & Physiology Biology II Populations Biology AP (Full Year) Chemistry II Inorganic Chemistry II Organic Chemistry AP (Full Year) Geology Meteorology Physics II Electricity and Magnetism Physics C: (Electricity & Magnetism) AP	Astronomy Biology II Anatomy & Physiology Biology II Populations Biology AP (Full Year) Chemistry II Inorganic Chemistry II Organic Chemistry AP (Full Year) Ecology Environmental Science Geology Physics I Mechanics Physics I Survey Physics II Electricity and Magnetism Physics C: (Mechanics) AP Physics C: (Electricity & Magnetism) AP	Chemistry I Qualitative

ASTRONOMY
900901

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra 1

This course is designed for students who are curious about the mysteries of the universe. The space program, rocketry, constellations, celestial navigation, life cycle of stars, organization and dynamics of the solar system, galaxies and their interactions, black holes and the warping of time and space. Students who have taken Space Science may not take Astronomy.

SPACE SCIENCE
900903

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed for students who are interested in the space program, the solar system, life and death of stars, black holes and the organization for the universe. Students who have taken Space Science may not take Astronomy.

BIOLOGY I - LEVEL 1
900917

Grades 9-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0

This course is designed for academic students whose future plans require a strong background in science. *The level of instruction is rigorous*, with the basic concepts developed in depth. It offers the above average student a classical introduction to structure, function, and interactions of living things. This course provides the necessary background for advanced and abstract conceptual study and a practical and relevant understanding of living things. Concepts in this course include the following: cellular biology, physiology, taxonomy, reproduction, biochemistry, evolution, genetics, microbiology, ecological relationships, and energetics. This course satisfies the prerequisites for any Biology II level courses or Advanced Placement Biology.

BIOLOGY I - LEVEL 2
900911

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

This course is designed for those students who may be planning to continue their education beyond high school, but whose career plans are in areas outside those normally requiring an intense biology or science background. Less rigorous than Biology I Level 1, this course includes the following: cellular biology, biochemistry, taxonomy, reproduction, evolution, genetics, and microbiology. This course satisfies the prerequisite for Biology II level courses, but not Advanced Placement Biology courses

BIOLOGY I - LEVEL 3
900912

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

This course stresses the major concepts of biological science that every person should know. A sincere effort is made to present all topics in a manner which makes them pertinent to the students' own world. Concepts are presented in such a way that they develop a scientific perspective from which they can appraise future events in their lives. This level is best suited for those students whose future plans involve no further formal training beyond high school. This course does not satisfy the prerequisite for any Biology II level courses.

BIOLOGY II *(Anatomy and Physiology)*
900919

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Biology I Chemistry I Quantitative or Chemistry I Qualitative

Biology II Anatomy & Physiology is designed for those students with future educational or career plans that require a strong background in biology; or career plans that may include nursing, physical therapy or other related health sciences. This course is a rigorous and comprehension study of the following body systems: digestive, excretory, nervous, skeletal, muscular, circulatory and others. Major content areas include biochemistry, anatomy and physiology. This course will also include a dissection of a fetal pig or a cat.

BIOLOGY II POPULATIONS
900929

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Biology I Level 1 or 2

A continuation of Biology I dealing with the study of life at the population level, Biology II Populations is designed for those student whose future educational or career plans may require a strong background in biology. Major content areas include animal and plant taxonomy, ecology, microbiology, and evolution.

BIOLOGY ADVANCED PLACEMENT (FULL YEAR)
900918

Grades 10-12 Pds./Cycle: 9
Weight: 1.06 Credit(s):1.5
Prerequisite(s): Satisfactory Completion of Biology I Level 1 and Chemistry I Quantitative

This challenging course includes studies in biochemistry, cell biology, energetics, molecular genetics, evolutionary mechanisms, plant and animal physiology, taxonomy, and ecology. It is designed for students planning to pursue a career in the sciences. This course prepares students to take the Advanced Placement Exam.

ECOLOGY
900956

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course examines all areas of science related to ecology. Students will study biomes and their biotic and abiotic factors. Other areas of study will include population dynamics, biodiversity, conservation and evolution. This course is designed for the student who is interested in learning about organisms in their natural environment.

ENVIRONMENTAL SCIENCE
900946

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course examines all areas of science related to the environment. Students will study the effects of human interaction with the natural world. Environmental issues concerning land, water, and air resources will be explored in terms of resource management, pollution, and conservation efforts. This course is designed for the student who is interested in how their actions impact the environment.

CHEMISTRY I – QUALITATIVE
900931

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra I

Qualitative Chemistry covers basic chemistry concepts using both descriptive and mathematical skills. This course is designed for the academic student who needs or desires a laboratory science but whose career plans are in areas other than those requiring an analytical science background. Chemistry I – Qualitative is **not** designed to fulfill prerequisites for Chemistry II Inorganic, Advanced Placement Chemistry, or Advanced Placement Biology.

CHEMISTRY I – QUANTITATIVE
900937

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):1.0
Prerequisite(s): Satisfactory Completion of Algebra I

This course is designed for those students whose career plans may include engineering, chemistry, nursing, medicine, physics, biochemistry, dentistry, biology, or other fields requiring a background in quantitative chemistry. This course is taught with considerable emphasis placed upon algebra skills. Topics include atomic structure, bonding, reactions, stoichiometry, solutions, and acid-base chemistry. Students who plan to take Chemistry II Inorganic, Chemistry II Organic, Advanced Placement Chemistry, Advanced Placement Biology, or Biology II Anatomy and Physiology should select Chemistry I – Quantitative.

CHEMISTRY II INORGANIC
900944

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Chemistry I - Quantitative and Algebra II

This rigorous course is designed to meet the needs of those students planning a science-based study in college including such areas as medicine, nursing, engineering, physics, biology, dentistry, or chemistry. Chemistry II Inorganic includes an extensive sequence of laboratory activities and permits the student to apply the generalizations learned in Chemistry I – Quantitative. The skills and knowledge gained in Chemistry I – Quantitative are improved and refined to allow the students to carry out carefully selected quantitative investigations. Topics include thermodynamics, kinetics, ionic reactions, and equilibrium.

CHEMISTRY – ADVANCED PLACEMENT (FULL YEAR)
900943

Grades 11-12 Pds./Cycle: 9
Weight: 1.06 Credit (s):1.5
Prerequisite(s): Satisfactory Completion of Algebra II and Chemistry I Quantitative

This rigorous course is designed to meet the needs of those students planning a science-based study in college including such areas as medicine, nursing, engineering, physics, biology, dentistry, or chemistry. This course includes thermodynamics, bonding, kinetics, equilibrium, acid-base equilibrium, nuclear chemistry, organic chemistry, and electrochemistry. Appropriate labs reinforce information. This class requires summer assignments of review material to ensure all students are prepared to begin the Advanced Placement class. Course content follows the Advanced Placement curriculum and is intended for those students who plan to take the Advanced Placement Test in Chemistry.

CHEMISTRY II ORGANIC
900951

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Chemistry I - Quantitative or Qualitative and Algebra II

This rigorous course is designed to meet the needs of those students planning a science-based study in college including such areas as medicine, nursing, engineering, physics, biology, dentistry, or chemistry. Students take an intensive look at such topics as organic nomenclature, alkanes, alkenes, alkynes, functional groups, aromatics, polymer chemistry, and organic reactions. Chemistry II Inorganic and Chemistry II Organic may be taken in any order. Students planning to take college level chemistry should plan to take both courses.

GEOLOGY
900966

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credits: .50

Every rock has a story. Geology students will study the processes that shape and reshape the Earth's surface. Mineral and rock identification and formation will be covered in a lab setting. Plate tectonics, volcanism, earthquakes and hydrology along with their natural disaster impact will be explored.

METEOROLOGY
900967

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credits: .50
Prerequisite(s): Satisfactory Completion of Algebra I

Students will start the course learning the basics. We will start with the atmosphere and how the different layers interact and create weather. From there, we will begin to learn how to forecast weather and interpret weather maps. Students will learn about all the major storms, which includes thunderstorms, tornadoes, hurricanes, and blizzards. The course will end on the topic of climate, which will include major topics such as the greenhouse effect and global warming. Throughout the semester, we will observe daily weather occurring in our area. Students will keep a journal to track their observations and forecasts, which will help them monitor the changes in weather and their accuracy in forecasting, as the seasons change throughout the school year, students will observe different weather such as hurricanes, snowstorms, and tornadoes. We will be going outside frequently to make observations and use weather instruments. In the future, we could have students do podcasts, a website, TV weather, and morning announcements to share their own weather forecasts. There is also a possibility of having weather instruments put on the roof of our high schools so we have the most up to date and accurate weather data. Students can also participate in forecasting competitions and the first inch of snow contest. There is an opportunity for field trips to local weather stations and meteorologists can also come in and speak with students. There is a lot of opportunity for growth in this course.

PHYSICAL SCIENCE – LEVEL 1
900970

Grades 9 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

This course is designed for the student who did not take Biology I in 9th grade. This course focuses on the practical, physical and chemical applications in daily living. Units include Newton's Laws of Motion, simple machines, waves, electricity, atomic structure, the periodic table and chemical reactions. It is designed for students whose plans for post-secondary education include college. Students in this course should have passed Algebra I.

PHYSICAL SCIENCE – LEVEL 2
900972

Grades 9 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

This course is similar in content to Physical Science Level 1. It focuses on the practical, physical and chemical applications in daily living. Units include Newton's Laws of Motion, simple machines, waves, electricity, atomic structure, the periodic table and chemical reactions. It is designed for those students who may be planning to continue their education beyond high school but whose career path may not require an intense science background.

PHYSICS I SURVEY
900982

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Algebra 1

This is a general physics course. It is designed to be a mathematical analysis of the physical laws which govern our universe. The material and concepts covered make it a suitable course for students of average ability who have diverse academic interests. Laboratory experimentation with computer application is used, as needed, to reinforce and verify basic principles and concepts. Topics include: mechanics, light, waves and electricity.

PHYSICS I MECHANICS
900983

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory Completion of Algebra II and Teacher Recommendation

Physics I Mechanics focuses on the properties of motion. It is designed for those students planning to continue their education in science related fields. It is assumed these students possess a strong mathematical background and logical thinking skills. Course work is similar to the first semester of a college non-calculus physics course. Topics include: Kinematics, dynamics, forces and momentum. The topics to be covered in depth are statics and dynamics.

PHYSICS II ELECTRICITY AND MAGNETISM
900987

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s):.50
Prerequisite(s): Satisfactory Completion of Physics I Mechanics or Physics C: (Mechanics) AP

Physics II Electricity and Magnetism is designed for those students planning to continue their education in the fields of applied science or engineering. It is assumed these students possess a strong mathematical background and logical thinking skills. This course work is similar to the second semester of a college non-calculus physics course. This course covers electricity, magnetism, and related topics. Laboratory investigations, light and wave theory, and sound are used to reinforce concepts.

PHYSICS C: (MECHANICS) ADVANCED PLACEMENT
900994

Grades 10-12 Pds./Cycle: 9
Weight: 1.06 Credit (s): 1.5
Prerequisites(s): Satisfactory Completion of Pre-calculus

This course is designed for students planning to continue their education in the field of applied science or engineering. It is assumed these students possess an exceptional mathematical

background and logical thinking skills. Course work is similar to the first semester of a college calculus-based engineering physics course. Students are not assumed to have any prior knowledge of calculus. Topics include: Kinematics, dynamics, rotation, work and energy and momentum and forces. Course content follows the Advanced Placement curriculum and is intended for those students to take the Advanced Placement-C Mechanics test in Physics.

PHYSICS C: (ELECTRICITY and MAGNETISM) ADVANCED PLACEMENT 900998

Grades 10-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Satisfactory Completion of Physics I Mechanics or Physics C: (Mechanics) AP

This course is designed for students planning to continue their education in the field of applied science or engineering. It is assumed these students possess an exceptional mathematical background and logical thinking skills. The course work is similar to the second semester of a college calculus-based engineering physics course. Students are not assumed to have any prior knowledge of calculus. Topics include: electrical charge, energy storage, resistance, circuits and sources of magnetic fields. Course content follows the Advanced Placement curriculum and is intended for those students to take the Advanced Placement-C Electricity and Magnetism test in physics.

BIOLOGY KEYSTONE WORKSHOP I 900991

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide remediation to any student who does not score at the proficient level or above on the Keystone Exam administered upon completion of the Biology I course. Non-proficient students must participate in remediation and retesting until proficiency is achieved. Passing the Keystone Exam is a graduation requirement for all students in the class of 2019 and beyond.

BIOLOGY KEYSTONE WORKSHOP II 900992

Grades 11-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to provide further focused instruction on areas in need of growth for those students not scoring proficient or above after retesting on the Biology Keystone Exam. The course will prepare students to retake the Keystone and/or successfully complete the project-based assessment. With two unsuccessful Keystone Exam attempts, a student will be eligible to demonstrate proficiency through the completion of a project-based assessment (PBA). Proficiency on this project-based alternative will satisfy the Keystone graduation requirement for all students in the class of 2019 and beyond. Successful completion of the course does not mean successful completion of the PBA.

SOCIAL STUDIES

The required three credit social studies program begins with part II of US History in grade 9. There are, however, multiple tracks a student can follow to complete the District social studies requirements for graduation, for preparation for college, and to meet the Pennsylvania Academic Standards. Placement within a specific level of social studies course is based, to a great extent, upon the recommendation of the previous year's social studies teacher.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
111051	US History II – Level 1	9	6	1.0	1.01
111052	US History II – Level 2	9	6	1.0	1.00
111053	US History II – ESL	9	6	1.0	1.00
111141	Economics-Macro Advanced Placement (Semester)	10-12	6	.50	1.06
111140	Economics-Micro Advanced Placement (Semester)	10-12	6	.50	1.06
111144	Economics – Level 1	10-12	6	.50	1.01
111145	Economics– Level 2	10-12	6	.50	1.00
111146	American Citizenship & Government – Level 1	10-12	6	.50	1.01
111147	American Citizenship & Government – Level 2	10-12	6	.50	1.00
111312	Psychology	10-12	6	.50	1.01
111415	World History Advanced Placement (Full Year)	10-12	6	1.0	1.06
111431	United States History Advanced Placement (Full Year)	10-12	6	1.0	1.06
111841	Psychology Advanced Placement	10-12	6	1.0	1.06
111847	Sociology	10-12	6	.50	1.01
111850	Anthropology	11-12	6	.50	1.06
111416	World History – Level 1	10-12	6	1.0	1.01
111417	World History – Level 2	10-12	6	1.0	1.00
111898	World Geography and Global Issues – Level 1	10-12	6	1.0	1.01
111897	World Geography and Global Issues – Level 2	10-12	6	1.0	1.00

US HISTORY II – LEVEL 1
111051

Grade 9 Pds./Cycle: 6
Weight: 1.01 Credit (s):1.0

This course is designed to introduce students to the second half of the United States history. The content of this course includes information in the post-Civil War era (1865) to the present day. Students will be introduced to the fundamental principles of historical research, interpretation and evaluation. This course is recommended for those students planning to enter college or seek a more challenging social studies course.

US HISTORY II – LEVEL 2
111052

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit (s):1.0

This course is designed to introduce students to the second half of the United States history. The content of this course includes information in the post-Civil War era (1865) to the present day. Student will be introduced to the fundamental principles of historical research, interpretation and evaluation.

US HISTORY II – ESL
111053

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit (s):1.0

This program is designed to assist students with limited English proficiency. This course is designed to introduce students to the second half of the United States history. The content of this course includes information in the post-Civil War era (1865) to the present day. Student will be introduced to the fundamental principles of historical research, interpretation and evaluation.

ECONOMICS-MACRO ADVANCED PLACEMENT (SEMESTER)
111141

Grades 10-12 Pds./Cycle: 6
Weight: 1.06 Credit(s):.50
Prerequisite(s): Teacher Recommendation

This course enables the student to take the Macroeconomics Advanced Placement test. The course examines global economic systems, focusing primarily on the United States' economy. Topics of study include, but are not limited to, basic economic concepts, economic systems, gross national and domestic products, measurement of economic performance, aggregate supply and demand, and price determination. This course trains students to interpret, analyze, and evaluate economic data. All AP students are required to participate in a summer reading/writing program. Each enrollee completes all assigned readings and responds, in writing, by a predetermined date prior to the start of the school year.

ECONOMICS-MICRO ADVANCED PLACEMENT (SEMESTER)
111140

Grade 10-12 Pds./Cycle: 6
Weight: 1.06 Credit (s):.50
Prerequisite(s): AP Macroeconomics

This semester length course enables the student to take the Microeconomics Advanced Placement test. The course examines the key components of the United States' economic system. Topics of study include, but are not limited to basic economic concepts, laws of supply and demand, consumer choice, production, costs, competition, efficiency and government policy. The course will train students to interpret, analyze and evaluate economic data. Students must successfully complete AP Macroeconomics prior to this course. To increase a student's chances of success on the AP Micro exam, students are encouraged, but not required, to take AP Macro during the same school year as AP Micro.

ECONOMICS– LEVEL 1
111144

Grade 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): .50

This semester-long course is designed to produce an economically literate citizen. Topics to be investigated include: the market system, supply and demand, types of businesses, the stock market, business cycles, government economic policies, and how to successfully enter the American workforce. Students will also complete a consumer economics unit designed to teach basic credit and money management skills. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and American Citizenship in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take Economics as an elective.

ECONOMICS– LEVEL 2
111145

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

This semester-long course is designed to produce an economically literate citizen. Topics to be investigated include: the market system, supply and demand, types of businesses, the stock market, business cycles, government economic policies, and how to successfully enter the American workforce. Students will also complete a consumer economics unit designed to teach basic credit and money management skills. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and American Citizenship in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take Economics as an elective.

AMERICAN CITIZENSHIP & GOVERNMENT – LEVEL 1
111146

Grade 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): .50

This semester-long course is intended to develop an understanding and appreciation of the American Government. This course will expose students to the important principles and documents of our government. Students will examine the rights and responsibilities of citizenship in our society; as well as, how our federal, state and local governments work. Students will develop the skills to be engaged and politically active citizens. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and Economics in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take American Citizenship as an elective.

AMERICAN CITIZENSHIP & GOVERNMENT – LEVEL 2
111147

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50

This semester-long course is intended to develop an understanding and appreciation of the American Government. This course will expose students to the important principles and documents of our government. Students will examine the rights and responsibilities of citizenship in our society; as well as, how our federal, state and local governments work. Students will develop the skills to be engaged and politically active citizens. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and Economics in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take American Citizenship as an elective.

PSYCHOLOGY
111312

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):.50

This course is designed to help those students who want to understand human behavior. Topics include biological bases of behavior, learning and memory, states of consciousness, motivation, personality and abnormal disorders. Psychology is a recommended elective for those students going on to higher education.

WORLD HISTORY ADVANCED PLACEMENT (FULL YEAR)
111415

Grades 10-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Teacher Recommendation

This course focuses on the last thousand years of global history. World History Advanced Placement concentrates on events that have global impact and on the significant interactions between cultures, regions, and institutions. Course material is balanced between the study of Asia, Africa, Europe, and the Americas. The content of World History Advanced Placement reflects the content of a college level world history course. All Advanced Placement students are required to participate in a summer reading/writing program. Each enrollee completes all assigned readings and responds, in writing, by a predetermined date prior to the start of the new school year.

UNITED STATES HISTORY – ADVANCED PLACEMENT (FULL YEAR)
111431

Grades 10-12 Pds./Cycle: 6
Weight: 1.06 Credit(s): 1.0
Prerequisite(s): Social studies teacher recommendation

This course enables students to take the Advanced Placement test. The course involves the intense study of United States history from 1492 to the present. The course trains students to analyze and interpret primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events, as well as building a strong base of historical content. All Advanced Placement students are required to participate in a summer reading/writing program. Each enrollee completes all assigned readings and responds, in writing, by a predetermined date prior to the start of the new school year.

PSYCHOLOGY ADVANCED PLACEMENT (YEAR LONG)
111841

Grades 10-12 Pds./Cycle: 6
Weight: 1.06 Credit(s):.1.0

Psychology AP is a more advanced version of Psychology covering a greater breadth and depth of information. Students will demonstrate a collegiate level of understanding and application of psychological concepts. The coursework of Psychology AP is designed to prepare students to earn college credit. All Advanced Placement students are required to participate in a summer reading/ writing program. Each enrollee is expected to complete all assigned readings and responds, in writing, by a predetermined date prior to the start of the new school year.

SOCIOLOGY
111847

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):.50

This course provides a basic understanding of how society affects people's lives. Sociology focuses on issues such as gender, race, social class, diversity, interdependence, and change. Where psychology attempts to explain behavior from the perspective of the individual within society, sociology focuses on how society molds the individual. Sociology is a

recommended elective for those students going on to higher education.

ANTHROPOLOGY
111850

Grades 11-12 Pds./Cycle: 6
Weight: 1.06 Credit(s):.50

This half-year course is designed as a college in the high school course with HACC for college credit. This course provides a holistic approach to the study of humankind over time and space that includes both the biological and cultural aspects of human beings. This course addresses human evolution, physical anthropology, archaeology, paleoanthropology, primatology, and the significant role that language plays in the understanding of culture. This course also involves comparing and contrasting individual cultures. This course satisfies 0.5 elective credits in the West Shore School District, and three (3) transferable (HACC) credits. Students must enroll and be accepted by HACC to participate. Students are responsible for paying tuition fees to HACC as well as purchasing their own textbook. Fees include $50.00 per credit course.

WORLD HISTORY – LEVEL 1
111416

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0

Students will examine the advent of the modern world through an exploration of global events beginning with the period around 1500 CE. The course will put a global context on Europe's role in shaping world events leading up to and including the 19th and 20th centuries. Students will analyze the causes and effects of industrialization worldwide, including imperialism and global conflict. The course will conclude with the emergence of Asia and Africa in the post-colonial world. In addition to historical content, the course will enhance the student's critical thinking skills through the analysis of primary source documents, the composition of position papers and the application of cause and effect assessment. This course is recommended for those students planning to enter college or seek a more challenging social studies course.

WORLD HISTORY – LEVEL 2
111417

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

Students will examine the advent of the modern world through an exploration of global events beginning with the period around 1500 CE. The course will put a global context on Europe's role in shaping world events leading up to and including the 19th and 20th centuries. Students will analyze the causes and effects of industrialization worldwide, including imperialism and global conflict. The course will conclude with the emergence of Asia and Africa in the post-colonial world. In addition to historical content, the course will enhance the student's critical thinking skills through the analysis of primary source documents, the composition of position papers and the application of cause and effect assessment.

WORLD GEOGRAPHY AND GLOBAL ISSUES – LEVEL 1
111898

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0

Students will explore the physical and cultural geography of the many regions of the earth as well as the important events that made and keep each region unique. Students will develop a global perspective by analyzing the events and issues that affect the United States and other world nations. This course is recommended for those students planning to enter college or seek a more challenging social studies course.

WORLD GEOGRAPHY AND GLOBAL ISSUES – LEVEL 2
111897

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0

Students will explore the physical and cultural geography of the many regions of the earth as well as the important events that made and keep each region unique. Students will develop a global perspective by analyzing the events and issues that affect the United States and other world nations.

SPECIAL EDUCATION

Special education services at the high schools are offered to students identified as needing learning support, emotional support, life skills or multiple disabilities support. Specific services, specially designed instruction, location, and level of intervention are determined by the student's Individualized Education Plan (IEP). Meeting individual needs and abilities are the primary concerns in planning learning sequences and providing educational opportunities for each student. The regular education curriculum is followed and adapted as appropriate. *Any students participating in an alternate curriculum is the decision of the IEP Team.* Special Education courses are listed below. Life Skills Support programs are scheduled on an individual basis.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
888002	English I	9	6	1.0	1.00
888013	English II	10	6	1.0	1.00
888014	English III	11	6	1.0	1.00
888017	English IV	12	6	1.0	1.00
888019	Accelerated Math Lab	9-11	6	.50	1.00
888142	Functional Math I	9-12	6	1.0	Pass/No Pass
888143	Functional Math II	9-12	6	1.0	Pass/No Pass
888144	Functional Math III	9-12	6	1.0	Pass/No Pass
888145	Functional Math IV	9-12	6	1.0	Pass/No Pass
888414	Consumer Math	9-12	6	1.0	1.00
888405	Mathematics I	9-12	6	1.0	1.00
888415	Mathematics II	9-12	6	1.0	1.00
888807	Pre-Algebra	9-12	6	1.0	1.00
888808	Algebra I	9-12	6	1.0	1.00
888802	Geometry	9-12	6	1.0	1.00
888424	Reading	9-12	6	1.0	1.00
888425	Reading	9-12	6	.50	1.00
888428	Functional Reading I	9-12	6	1.0	Pass/No Pass
888429	Functional Reading II	9-12	6	1.0	Pass/No Pass
888430	Functional Reading III	9-12	6	1.0	Pass/No Pass
888431	Functional Reading IV	9-12	6	1.0	Pass/No Pass
888451	Ecology	10-12	6	.50	1.00
888461	Environmental Science	10-12	6	.50	1.00
888471	Biology I	10-11	6	1.0	1.00
888171	Physical Science	9	6	1.0	1.00
888903	Space Science	10-12	6	.50	1.00
888486	Geology	10-12	6	.50	1.00
888536	US History II	9	6	1.0	1.00
888540	World History	10-12	6	1.0	1.00
888555	World Geography and Global Issues	10-12	6	1.0	1.00
888210	Economics	10-12	6	.50	1.00
888213	American Citizenship & Government	10-12	6	.50	1.00
888134	Social Skills	9-12	6	.50	1.00
888132	Social Skills	9-12	6	1.0	1.00
888600	Special Interest Independent Study	9-12	6	.50	1.00

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
888738	Humanities Course	9-12	6	1.0	1.00
888740	Career Exploration I	9-12	6	.50	1.00
888742	Career Exploration II	9-12	6	.50	1.00
888744	Career Exploration III	9-12	6	.50	1.00
888746	Career Exploration IV	9-12	6	.50	1.00
888750	Transition Planning I	9-12	6	.50	1.00
888752	Transition Planning I	9-12	6	1.0	1.00
888751	Transition Planning II	9-12	6	.50	1.00
888753	Transition Planning II	9-12	6	1.0	1.00
888760	Independent Living Skills I	9-12	6	1.0	Pass/No Pass
888761	Independent Living Skills II	9-12	6	1.0	Pass/No Pass
888762	Independent Living Skills III	9-12	6	1.0	Pass/No Pass
888763	Independent Living Skills IV	9-12	6	1.0	Pass/No Pass

ENGLISH I
888002

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Each of the courses listed above is designed to supplement the basic English curriculum during each of four required courses and is open to those students in the learning support resource room. The program is based on diagnosis and remediation. Each student's level is determined by diagnostic testing. The class is designed to assist the student in two ways. The regular English program is modified through direct instruction to suit the particular needs of the student. Secondly, the special education teacher assists the regular classroom teacher in any adaptations necessary in order to have the students succeed in the regular class. This provides remediation in deficit areas. Goals, objectives, and classroom adaptations are specified in the Individualized Education Program (IEP

ENGLISH II
888013

Grade 10 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Each of the courses listed above is designed to supplement the basic English curriculum during each of four required courses and is open to those students in the learning support resource room. The program is based on diagnosis and remediation. Each student's level is determined by diagnostic testing. The class is designed to assist the student in two ways. The regular English program is modified through direct instruction to suit the particular needs of the student. Secondly, the special education teacher also assists the regular classroom teacher in any adaptations necessary to have the student succeed in the regular class. This classroom provides remediation in deficit areas. Goals, objectives, and classroom adaptations are specified in the Individualized Education Program (IEP).

ENGLISH III
888014

Grade 11 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Each of the courses listed above is designed to supplement the basic English curriculum during each of four required courses and is open to those students in the learning support resource room. The program is based on diagnosis and remediation. Each student's level is determined by diagnostic testing. The class is designed to assist the student in two ways. The regular English program is modified through direct instruction to suit the particular needs of the student. Secondly, the special education teacher assists the regular classroom teacher in any adaptations necessary to have the student succeed in the regular class. This classroom provides remediation in deficit areas. Goals, objectives, and classroom adaptations are specified in the Individualized Education Program (IEP).

ENGLISH IV
888017

Grade 12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Each of the courses listed above is designed to supplement the basic English curriculum during each of four required courses and is open to those students in the learning support resource room. The program is based on diagnosis and remediation. Each student's level is determined by diagnostic testing. The class is designed to assist the student in two ways. The regular English program is modified through direct instruction to suit the particular needs of the student. Secondly, the special education teacher assists the regular classroom teacher in any adaptations necessary to have the student succeed in the regular class. This classroom provides remediation in deficit areas. Goals, objectives, and classroom adaptations are specified in the Individualized Education Program (IEP

ACCELERATED MATH LAB
888019

Grades 9-11 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

The Accelerated Math Lab program is designed to provide instruction and/or support for those special education students who would benefit from additional support in math. Students may request assistance through their special education teacher. This program is provided on an individual basis based upon need and only after consultation with and approval of the students' parents.

FUNCTIONAL MATH I
888142

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional math skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL MATH II
888143

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Math I (8142). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional math skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL MATH III
888144

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Math II (8143). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional math skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL MATH IV
888145

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Math III (8144). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional math skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

CONSUMER MATH
888414

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Consumer math is a full-year course designed to help students develop competencies in mathematics for business and personal use. Students will begin with a basic math review and use these skills in real-life problem solving. Then, they will proceed to learn how to compute gross and net income, maintain a checking and savings account, fill out tax forms, determine interest payments on credit, and other basic recordkeeping functions. The course focuses on awareness of consumer-related issues and strives to help students become "more informed" consumers now and in the future. Units on purchasing a car, purchasing a home, and insurance will also be covered.

MATHEMATICS I
888405

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course prepares students with the basic foundation of mathematics skills. Students will prepare for success in future mathematics courses by building content knowledge to meet standards in number and operations, fractions, decimals, percent, and measurement. The processes of problem solving, reasoning, communication, connections, and representation are interwoven throughout the content standards.

MATHEMATICS II
888424

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course prepares students with the basic foundation of mathematics skills. Students will prepare for success in future mathematics courses by building content knowledge to meet standards in the principles of algebra, rational numbers, graphs, functions, and sequences, exponents and roots, rations, proportions, and similarity, percent perimeter, area, and volume. The processes of problem solving, reasoning,

communication, connections, and representation are interwoven throughout the content standards.

PRE-ALGEBRA
888807

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course helps students understand the structures and techniques of basic algebra concepts. Students build their knowledge of number systems and properties of operations that justify simple algebraic skills. Topics covered will be language of algebra, order of operations, operations with integers, operations with rational numbers, powers and roots, ratio, proportions, percent, and algebraic expressions.

ALGEBRA I
888808

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course helps students understand the structures and techniques of algebra and expects them to become proficient in applying algebraic concepts and skills at a modified pace. Students build their knowledge of number systems and properties of operations that justify simple algebraic skills. Topics include the real number system, solving linear equations and inequalities, polynomial operations, and the rectangular coordinate system, operations with polynomials, factoring of polynomials, operations with rational expressions, operations with quadratic equations, and solving and graphing systems of equations and inequalities.

GEOMETRY
888802

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Satisfactory Completion of Algebra I and Current I.E.P.

This course explores the basic structure of geometry and develops an understanding and appreciation of deductive logic in mathematics at a modified pace. The course is designed to strengthen algebraic skills, develop powers of spatial visualization, and assist students to grow in the understanding of the terminology within geometry deductive method and the need for precision of language.

READING
888424

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course provides a structured program designed to help students improve their reading abilities. This course makes use of individual and small group instruction in comprehension, word study skills, dictionary skills, vocabulary development and literary skills.

READING
888425

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P.

This course provides a structured program designed to help students improve their reading abilities. This course makes use of individual and small group instruction in comprehension, word study skills, dictionary skills, vocabulary development and literary skills.

FUNCTIONAL READING I
888428

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional reading skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL READING II
888429

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Reading I (8428). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional reading skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL READING III
888430

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Reading II (8429). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional reading skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

FUNCTIONAL READING IV
888431

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): I.E.P. teacher recommendation/PASA

Eligibility: Successful completion of Functional Reading III (8430). This course is a 55 minute a day course designed to provide a structured program to help students participating in an alternate curriculum improve their functional reading skills. The course is designed to provide direct instruction to address students' I.E.P goals and objectives. Students' progress at their own rate and new skills are taught on an individual need basis.

ECOLOGY
888451

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This course examines all areas of science related to ecology. Students will study biomes and their biotic and abiotic factors. Other areas of study will include population dynamics, biodiversity, conservation and evolution. This course is designed for the student who is interested in learning about organisms in their natural environment.

ENVIRONMENTAL SCIENCE
888461

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This course examines all areas of science related to the environment. Students will study the effects of human interaction with the natural world. Environmental issues concerning land, water, and air resources will be explored in terms of resource management, pollution, and conservation efforts. This course is designed for the student who is interested in how their actions impact the environment.

BIOLOGY I
888471

Grades 10-11 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This class is designed to provide students with an awareness and understanding of the working of the body, the environment, and the study of other life forms on earth. A sincere effort is made to present all topics in a manner which makes them pertinent to the student's own world. The course content follows that which is offered in the regular education curriculum.

PHYSICAL SCIENCE
888171

Grade 9 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course is designed to acquaint the student with the scientific laws and theories in physical science. The course content follows that which is offered in the regular education curriculum.

SPACE SCIENCE
888903

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This course is designed for students who are interested in the space program, the solar system, life and death of stars, black holes and the organization for the universe. Students who have taken Space Science may not take Astronomy. Students who have taken Astronomy may not take Space Science.

GEOLOGY
888486

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This course is a non-technical elective in which students study the earth and the processes that alter its surface. Students will analyze earth's resources and evaluate the impact of their extraction and use. Other topics include natural disasters, the rock cycle, hydrology, energy and paleontology.

US HISTORY II
888536

Grades 9 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course is designed to introduce students to the second half of United States history. The content of this course includes information in the post-Civil War era (1865) to the present day. Students will be introduced to the fundamental principles of historical research, interpretation and evaluation.

WORLD HISTORY
888540

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Students will examine the advent of the modern world through an exploration of global events beginning with the period around 1500 CE. The course will put a global context on Europe's role in shaping world events leading up to and including the 19th and 20th centuries. Students will analyze the causes and effects of industrialization worldwide, including

imperialism and global conflict. The course will conclude with the emergence of Asia and Africa in the post-colonial world. In addition to historical content, the course will enhance the student's critical thinking skills through the analysis of primary source documents, the composition of position papers and the application of cause and effect assessment.

WORLD GEOGRAPHY AND GLOBAL ISSUES
888555

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Students will explore the physical and cultural geography of the many regions of the earth as well as the important events that made and keep each region unique. Students will develop a global perspective by analyzing the events and issues that affect the United States and other world nations. This course is recommended for those students planning to enter college or seek a more challenging social studies course.

ECONOMICS
888210

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This semester-long course is designed to produce an economically literate citizen. Topics to be investigated include: the market system, supply and demand, types of businesses, the stock market, business cycles, government economic policies, and how to successfully enter the American workforce. Students will also complete a consumer economics unit designed to teach basic credit and money management skills. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and American Citizenship in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take Economics as an elective.

AMERICAN CITIZENSHIP & GOVERNMENT
888213

Grade 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Current I.E.P.

This semester-long course is intended to develop an understanding and appreciation of the American Government. This course will expose students to the important principles and documents of our government. Students will examine the rights and responsibilities of citizenship in our society; as well as, how our federal, state and local governments work. Students will develop the skills to be engaged and politically active citizens. This course satisfies 0.5 credits of the 3.0 Social Studies credits necessary for graduation. Students may select to take this course and Economics in place of a full-year Social Studies course. American Citizenship and Economics may be taken during different school years. Students may also take American Citizenship as an elective.

SOCIAL SKILLS
888134

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Teacher Recommendation

SOCIAL SKILLS
888132

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P./Teacher Recommendation

This course provides a structured program designed to help students improve their social skills with peers, adults and authority figures in the school and community environment. This course also includes day to day social events which need to be discussed to assist students in developing strategies for more successful interactions. Students will work on assessing social situations, managing emotions, community awareness, leisure activities and career awareness activities. Course is designed to fulfill I.E.P. goals.

SPECIAL INTEREST INDEPENDENT STUDY
888600

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Available to students in the Special Interest program

Students may fulfill their I.E.P. goals and objectives by completing projects that match their strengths and interests. Projects may be selected by the students and may include, but are not limited to, entries for Scholastic Writing, entries for History Day, and entries for Scholastic Art. Students contract with the Special Interest teacher. The student and teacher develop plans, timeliness, and benchmarks for evaluation.

HUMANITIES
888738

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

Students selecting the Humanities course will be exposed to four separate entities of humanities that include: Art, Technology Education, Music, and Family and Consumer Science. Students will participate in a different entity each marking period and will meet every day for a 55-minute time block.

CAREER EXPLORATION I
888740

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Teacher Recommendation/PASA Eligibility

This course presents a variety of classroom and community based activities that focus on experiences for teaching and enhancing skills needed in the workplace. The emphasis of this course is to provide students with opportunities to learn and apply pre-vocational/vocational skills, interpersonal relationship skills, and job preparation skills (i.e. interviewing, resume building, and personal care) in the natural community environment. A focus of this course includes the generalization of learned skills.

CAREER EXPLORATION II
888742

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Teacher Recommendation/PASA Eligibility

This course presents a variety of classroom and community based activities that focus on experiences for teaching and enhancing skills needed in the workplace. The emphasis of this course is to provide students with opportunities to learn and apply pre-vocational/vocational skills, interpersonal relationship skills, and job preparation skills (i.e. interviewing, resume building, and personal care) in the natural community environment. A focus of this course includes the generalization of learned skills.

CAREER EXPLORATION III
888744

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Teacher Recommendation/PASA Eligibility

This course presents a variety of classroom and community based activities that focus on experiences for teaching and enhancing skills needed in the workplace. The emphasis of this course is to provide students with opportunities to learn and apply pre-vocational/vocational skills, interpersonal relationship skills, and job preparation skills (i.e. interviewing, resume building, and personal care) in the natural community environment. A focus of this course includes the generalization of learned skills.

CAREER EXPLORATION IV
888746

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Teacher Recommendation/PASA Eligibility

This course presents a variety of classroom and community based activities that focus on experiences for teaching and enhancing skills needed in the workplace. The emphasis of this course is to provide students with opportunities to learn and apply pre-vocational/vocational skills, interpersonal relationship skills, and job preparation skills (i.e. interviewing, resume building, and personal care) in the natural community environment. A focus of this course includes the generalization of learned skills.

TRANSITION PLANNING I
888750

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P.

TRANSITION PLANNING I
888752

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P.

This course is designed to provide services and activities that explore opportunities for students to be self-aware and successful in high school as well as involved in their education, the development of their IEP and future goals. Through this course, students may research an area of disability, explore their current IEP and investigate disability laws. Students may practice their role as a self-advocate by analyzing and expressing their strengths and needs. The course also includes practice of the independent learning skills needed for a student to succeed academically, socially and emotionally including but not limited to organizational and study skills. Activities from this course may expand their individual Transition Portfolio. Students are recommended to take this course based on IEP teacher recommendation.

TRANSITION PLANNING II
888751

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Current I.E.P./Successful completion of Transition Planning I

TRANSITION PLANNING II
888753

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): 1.0
Prerequisite(s): Current I.E.P./Successful completion of Transition Planning I

This course focuses on preparing students for post-secondary education options, obtaining and maintaining employment, and independent living skills including finances. The course may include but is not limited to the following based upon individual student needs. Students may research options for continuing their education and learn the differences between high school and post-secondary education and how to access resources related to their disability. Students will expand their portfolio including items such as resumes, common interview questions, cover letters, and thank you letters in addition to other items included in the District's Transition Portfolio. The course may include community-based instruction and assessments. Students are recommended to take this course based on IEP teacher recommendation.

INDEPENDENT LIVING SKILLS I
888760

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): Current I.E.P./Teacher Recommendation/PASA Eligibility

This course teaches basic kitchen safety and recipe preparation, basic clothing care skills, and basic home maintenance skills. In addition, there is an emphasis on the development of personal and functional daily living skills (e.g. shopping, personal care, home care skills, etc.). This course incorporates opportunities for enhancing interest in leisure time activities and developing appropriate social skills in and outside of the classroom.

INDEPENDENT LIVING SKILLS II
888761

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): Current I.E.P./Teacher Successful completion of Independent Living Skills I. Recommendation/PASA Eligibility

This course teaches basic kitchen safety and recipe preparation, basic clothing care skills, and basic home maintenance skills. In addition, there is an emphasis on the development of personal and functional daily living skills (e.g. shopping, personal care, home care skills, etc.). This course incorporates opportunities for enhancing interest in leisure time activities and developing appropriate social skills in and outside of the classroom.

INDEPENDENT LIVING SKILLS III
888762

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): Current I.E.P./Teacher Successful completion of Independent Living Skills II. Recommendation/PASA Eligibility

This course teaches basic kitchen safety and recipe preparation, basic clothing care skills, and basic home maintenance skills. In addition, there is an emphasis on the development of personal and functional daily living skills (e.g. shopping, personal care, home care skills, etc.). This course incorporates opportunities for enhancing interest in leisure time activities and developing appropriate social skills in and outside of the classroom.

INDEPENDENT LIVING SKILLS IV
(FULL YEAR)
888763

Grades 9-12 Pds./Cycle: 6
Weight: Pass/No Pass Credit(s): 1.0
Prerequisite(s): Current I.E.P./Teacher Successful completion of Independent Living Skills III. Recommendation/PASA Eligibility

This course teaches basic kitchen safety and recipe preparation, basic clothing care skills, and basic home maintenance skills. In addition, there is an emphasis on the development of personal and functional daily living skills (e.g. shopping, personal care, home care skills, etc.). This course incorporates opportunities for enhancing interest in leisure time activities and developing appropriate social skills in and outside of the classroom.

TECHNOLOGY EDUCATION

Technology Education is the application of tools, materials, processes and systems used to solve problems and provide benefits to humankind. This may include, but is not limited to, the use of computers and instructional technology. Effective technology education combines knowledge of content, process, and skills to provide students with a holistic approach to learning. Technology education offers unique opportunities to apply numerous academic concepts through practical, hands-on application. Students who elect technology education courses are better prepared for meeting life and career goals in our rapidly changing technological world. Lab fees will be assessed in those courses where the project becomes the property of the student.

Clustering Model

Power/Transportation
Electrical Engineering Transportation I, II
Mechanical Engineering
Aeronautical Engineering

Manufacturing/Construction
Construction Technology
Materials Processing
Advanced Woodworking
Metal Technology

Specialized Technology
Applied Engineering
Networking I, II
IT Essentials I: PC Hardware and Software
Programming & Developing Code

Communications
Photo and Digital Imaging I, II
Introduction to Drafting
Graphic Technology I, II, III

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
606016	Electrical Engineering Transportation I	9-12	6	.50	1.00
606017	Electrical Engineering Transportation II	10-12	6	.50	1.00
606021	Mechanical Engineering	9-12	6	.50	1.00
606031	Aeronautical Engineering	10-12	6	.50	1.00
606100	Applied Engineering	10-12	6	.50	1.00
606111	Networking I Networking for Home and Small Businesses	9-12	6	.50	1.00
606121	Networking II Working at a Small-to-Medium Business or ISP	9-12	6	.50	1.00
606150	IT Essentials I: PC Hardware and Software	9-12	6	.50	1.00
606155	Programming and Developing Code	10-12	6	.50	1.00
606200	Construction Technology	9-12	6	.50	1.00
606205	Metal Technology	9-12	6	.50	1.00
606210	Materials Processing	9-12	6	.50	1.00
606230	Advanced Woodworking	10-12	6	.50	1.00
606307	Photo and Digital Imaging I	10-12	6	.50	1.00
606308	Photo and Digital Imaging II	10-12	6	.50	1.00
606326	Introduction to Drafting	9-12	6	.50	1.00
606351	Graphic Technology I	9-12	6	.50	1.00
606352	Graphic Technology II	9-12	6	.50	1.00
606353	Graphic Technology III	10-12	6	.50	1.00
606330	Architectural Drafting/CADD	9-12	6	.50	1.00

ELECTRICAL ENGINEERING TRANSPORTATION I 606016

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course provides the student with an understanding of the various aspects of the electricity/electronics and engineering industries. Students use the laboratory experiences and lab equipment to design and create projects that promote safety in the use of electronic equipment. Knowledge of basic electronic components, electrical circuits and design concepts are gained. Students build motors, various transportation vehicles, and use CO_2 cartridges, solar panels, transformers, capacitors, and related electronic components. A small lab fee is required for student projects. The course is offered to students from both high schools but is taught at Red Land.

ELECTRICAL ENGINEERING TRANSPORTATION II 606017

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Electrical Engineering Transportation I

This course offers students an opportunity to construct and experiment with various electronic concepts and design techniques using lab experimentations that utilize various energy sources. Knowledge of design concepts, electronic components, and circuit design is gained. Student selected projects support troubleshooting. A computer simulation system is used to support concepts and designing of electronic schematics. A small lab fee is required for student projects. The course is offered to students from both high schools but is taught at Red Land.

MECHANICAL ENGINEERING 606021

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

Students learn the skills and tools necessary to completely rebuild a small gas engine and may also learn the basics of home car care. The course is designed for any student interested in learning the skills needed to care for lawn, garden, and automotive equipment. It provides a solid foundation for students seeking further education in mechanical, automotive, or power transportation. The course is taught at Red Land. Cedar Cliff teaches Mechanical Engineering as well, but the course does not focus solely on small gas engines. Areas of study include power, electronics, robotics and pneumatics as well as engines.

AERONAUTICAL ENGINEERING 606031

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s): .50
Prerequisite(s): Satisfactory Completion of one technical education class. **The main focus of this course centers on aircraft design.**

Students engineer, design, test, construct, and fly a radio controlled 2-meter sail plane. Students learn the basics of aircraft design, construction, and flight. A wind tunnel, computers, and foam composite materials are used to build a functioning flying glider that obtains altitudes of 500 feet and a speed of 10-50 miles per hour. A small lab fee is required for student projects. The course is offered to students from both high schools but is taught at Red Land.

APPLIED ENGINEERING 606100

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

Students will gain experience by researching, designing and producing assignments involving engineering. Students will develop thinking skills, teamwork and problem solving skills. Areas covered will be Civil Engineering, Structural Engineering, Automotive Engineering, Aerospace/Aeronautical Engineering and Biomedical Engineering. This course is designed for the students seeking experience in engineering and wishing to explore the various disciplines of the engineering profession. This course is strongly recommended for any student considering a career in engineering or a related field.

NETWORKING I NETWORKING FOR HOME AND SMALL BUSINESSES 606111

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course teaches students the skills needed to obtain entry-level home network installer jobs. It also helps students develop some of the skills needed to become network technicians, computer technicians, cable installers, and help desk technicians. It provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. Instructors are encouraged to facilitate field trips and outside-the-classroom learning experiences. Labs include PC installation of game consoles, scanners, and cameras. This course is only taught at Cedar Cliff.

NETWORKING II
WORKING AT A SMALL-TO-MEDIUM BUSINESS OR ISP
606121

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Networking I

This course prepares students for jobs as network technicians. It also helps students develop additional skills required for computer technicians and help desk technicians. It provides a basic overview of routing and remote access, addressing, and security. It also familiarizes students with servers that provide e-mail service, Web space, and authenticated access. Students also learn about soft skills required for help desk and customer service positions. Network monitoring and basic troubleshooting skills are taught in context. This course is only taught at Cedar Cliff.

IT ESSENTIALS I: PC HARDWARE AND SOFTWARE
606150

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course introduces students to information technology and data communications. Students develop the necessary skills to enter this field by building a computer, installing the operating system, adding peripherals, connecting the computer to a local area network and to the Internet. This is a hands-on, lab-oriented course that stresses laboratory safety and working effectively in a group environment. At the end of this course, students should possess the academic information and experience necessary to pass Comp TIA's A+ certification. This certification is to test the student's knowledge of learning objectives for a career as a Computer Repair Technician. This course is only taught at Cedar Cliff.

PROGRAMMING AND DEVELOPING CODE
606155

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Algebra

This course will explore several common computer programming languages such as Java, C, C++, Python and HTML. The content will prepare students with a foundation for growth in a career, trade school, two-year or four-year program for continuing education. Students will be expected to learn languages and develop basic programs, applications, and games. This course is only taught at Cedar Cliff.

CONSTRUCTION TECHNOLOGY
606200

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course provides students with opportunities to participate in the construction of a building using up-to-date construction techniques. Additionally, students receive instruction in estimating building costs, utilizing computer software, reading blueprints, determining materials to be used, and using tools and machines of construction.

METAL TECHNOLOGY
606205

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course provides students with an overall view of metalworking processes used in industry. Units found in foundry, forging, welding fabrication and machining are explored. Students have the opportunity to design and produce metal projects using a variety of metals and processes. A minimal lab fee is required for this course. A small fee may be required.

MATERIALS PROCESSING
606210

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course is designed to teach students skills in material processes and prepare for a career in manufacturing. Students enjoy working with wood, metal, and plastics and plan and construct projects of their choosing under the guidance of the instructor. The project is also a unit of study within the course. Emphasis is placed on accuracy within the project in an effort to complete a high quality product. Safe and correct use of hand and power tools is emphasized. Students have the opportunity to work with computer-aided design, and computer-aided manufacturing (CAD/CAM) machinery. Students must purchase materials for their individual projects and/or a small fee may be required.

ADVANCED WOODWORKING
606230

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Materials Processing

Emerging technologies require sophisticated equipment in the materials laboratory. Knowledge of computer controlled machinery is a necessity in the modern day work force. This course enables students to become competitive in the workplace by providing a wide knowledge base in all phases of woodworking. Personal safety, responsibility and good work habits are ingrained into the program. Students will have the opportunity to create projects on the laser engraver in addition to complimenting their skills using the computerized router. Students must purchase materials for their individual projects.

PHOTO AND DIGITAL IMAGING I
606307

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

Photo and Digital Imaging I is an introductory visual communications course designed for the student who desires to learn about modern photographic and digital imaging skills. Students will learn technical skills involved in the process of creating photographs using equipment and experiences in the 'wet' and 'dry' (using Adobe Photoshop) darkrooms. Areas of study include camera operation, film and printing processing, compositional skills, digital photography and processes, studio portraiture, and videography as it pertains to photography. It is suggested that students have their own digital camera (point and shoot camera) and 4 GB flash drive for digital storage. This is a technology driven course. A small fee may be required.

PHOTO AND DIGITAL IMAGING II
606308

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Photo and Digital Imaging I

Photo and Digital Imaging II is curriculum designed to allow students to continue learning advanced photography skills, advanced digital imaging skills and some videography. Students will be introduced to professional photographic applications and equipment. Students will also have the opportunity to explore various types of photography from commercial to portrait giving them a well-rounded experience in the photographic business area. It is suggested that students have a 4 GB flash drive for digital storage. This is a technology driven course designed to allow the students to experience industry applications and new and emerging photographic technologies. A small fee may be required.

INTRODUCTION TO DRAFTING
606326

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This exploratory course is designed to provide students with an opportunity to use and develop an appreciation for methods and equipment used by engineers, architects, and draftsmen. Practical experience, including computer-aided drafting (CADD), is gained by using drafting tools and methods to produce technical drawings. Students are taught the basic techniques of mechanical drafting. This is the entry-level course and is the prerequisite for Architectural Drafting/CADD.

GRAPHIC TECHNOLOGY I
606351

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Students experience project activities in binding, screen printing (t-shirts, etc.), offset printing (notepads, business cards, etc.), and desktop publishing (brochure, deck of playing cards, etc.). This course is designed to stimulate interest and acquaint students with careers related to the graphic technology industry. A small lab fee is required for student projects.

GRAPHIC TECHNOLOGY II
606352

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Graphic Technology I

Students experience project activities in screen printing (multi-color t-shirts, etc.), offset printing (multi-color notepads, business cards, etc.) and desktop publishing. This course is designed for students that were successful in the introductory course and may want to consider careers related to the graphic technology industry. A small lab fee is required for student projects.

GRAPHIC TECHNOLOGY III
606353

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Graphic Technology II

Students experience project activities in screen printing (advanced multi-color projects), offset printing (press operation) and desktop publishing (emphasizing color printing). This course is designed for students who are considering potential careers in the graphic technology industry. A small lab fee is required for student projects.

ARCHITECTURAL DRAFTING/CADD
606330

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Introduction to Drafting

This course provides the student with an opportunity to design a house for a "client" following a set of standards. The course is beneficial to those planning careers in building, building design or mechanical trades. Instruction includes the materials and methods of construction, giving students the opportunity to solve problems and utilize solutions. This course also provides the student with an in-depth look at computer-aided drafting and design (CADD). Computer drafting software reflecting industry, are utilized to produce various types of technical drawings.

VISUAL ARTS

Courses and studio experiences involve the student, individually and in small groups, with problem-solving, discipline, and skill development through various media.

While art courses may generally be elected by any student in any curriculum, the art curriculum does prepare the individual for a professional career in art. It offers a broad art education that provides a basis for entrance into a college or art school. It also provides experiences necessary for employment in art or art-related fields. Students may be asked to maintain a sketch book in any given course in the art department.

A student who plans to attend a college, especially for visual art and art related programs, should elect art courses in grades 9-12. The student should consult a counselor on the particular academic requirements needed for admission to those schools.

Lab fees are assessed in those courses where projects become the property of the student.

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
202500	Art I	9-12	6	.50	1.00
202550	Art II	9-12	6	.50	1.00
202602	Art III	10-12	6	.50	1.01
202855	Art History Advanced Placement (Semester)	11-12	6	.50	1.06
202650	Lettering and Design	9-12	6	.50	1.00
202727	Animation	9-12	6	.50	1.00
202750	Ceramics I	9-12	6	.50	1.00
202751	Ceramics II	10-12	6	.50	1.00
202852	Honors Art (Full Year)	11-12	6	1.0	1.03
202871	Sculpture I	9-12	6	.50	1.00
202872	Sculpture II	10-12	6	.50	1.00
202950	Computer Art	9-12	6	.50	1.00

ART I
202500

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This is the introductory course to the visual arts program. Students must take this course prior to electing any other course offerings in the Art Department. The activities are intended to provide exposure to a number of studio concepts and experiences pursued in the visual arts program. Observational skill building, spatial analysis and composition development are emphasized using a variety of media and processes within the framework of aesthetic, historical, and critical understanding.

ART II
202550

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

This course explores the areas of drawing, printmaking, and painting. A range of subject matter such as still life, portraiture, landscape, and nature are explored through a wide variety of techniques and media. Observational drawing continues to be an emphasis in this course.

ART III
202602

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art II and Teacher Recommendation

This course explores in greater depth media covered in Art I and Art II. Concentration is placed on student-directed subject matter and the development of a portfolio. Historical and contemporary referencing and exploration of more varied media are designed to foster students' personal visions.

ART HISTORY ADVANCED PLACEMENT (SEMESTER)
202855

Grades 11-12 Pds./Cycle: 6
Weight: 1.06 Credit(s):.50
Prerequisite(s): Satisfactory completion of English II Level 1 and Teacher Recommendation

The student gains an understanding and knowledge in architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Students are evaluated through written essays, research projects and papers, and objective tests. Art History Advanced Placement is designed to prepare the student for taking the Advanced Placement test in art history.

LETTERING AND DESIGN
202650

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

Students experience a variety of mediums and techniques while they explore printmaking, bookmaking, sculpture, portraiture, papermaking, painting, computer generated and typography. These techniques will encourage students to develop visual images for use in a variety of mediums and contexts. This course explores and examines art and art forms with hands on creation and encourages students to infuse these projects with personal meaning. At the conclusion of this course, students will have completed a variety of projects that incorporate visual imagery, as well as provide a strong basis for utilizing various mediums for other projects throughout their academic and artistic endeavors.

ANIMATION
202727

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

This course is designed as an introduction to working creatively with moving images as a communication tool. Students complete several short and long-term projects that utilize both 3-D and 2-D traditional animation techniques. Projects are thematic in nature and deal with personal, social, and environmental issues. Drawing is an emphasis during this course and computer technology is incorporated as a major component of the animation process.

CERAMICS I
202750

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

This course develops basic hand building, wheel throwing, and sculpture skills. Instruction is given in the elements of visual expression such as line, shape/form, space, texture, color, and value as it applies to 3-D design. An introduction to mold-making, glazing, staining, and firing with emphasis on developing and analyzing the creative process occurs.

CERAMICS II
202751

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Ceramics I with a B or higher and Teacher Recommendation

The first marking period students will build upon prior knowledge of basic handbuilding and wheel throwing techniques. The second marking period students get to choose to place their concentration on either handbuilding or throwing.

HONORS ART (FULL YEAR)
202852

Grades 11-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of Art III and Teacher Recommendation

This advanced course addresses several areas in the study of art. Development of a portfolio reflecting drawing, painting, sculpture, and art history is a requirement of the course. Students are expected to generate their own subject matter and demonstrate creative and analytical thinking.

SCULPTURE I
202871

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

This course is designed to provide instruction in a variety of basic sculpture techniques. Through the use of materials, clay, plaster, wood, wire, and Styrofoam, students learn basic mold-making, modeling, carving, assembling, and joining techniques. Students receive exposure to contemporary and historical practices in sculpture.

SCULPTURE II
202872

Grades 10-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I, Sculpture I or Ceramics and Teacher Recommendation

This advanced course continues to enhance the skills and processes learned in Sculpture I or Ceramics. Rubber mold-making, resins, and fiberglass are explored, as well as indoor and outdoor sculpture. Creative Growth and problem solving is encouraged in the development of ideas and projects.

COMPUTER ART
202950

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Art I

This course introduces the computer as a design tool. Original drawings, painting, and digital imagery are imported and manipulated to develop individual ideas and concepts. The course includes basic computer functions, equipment, language, programs, and activities related to the use of the computer as an an expressive medium.

WORLD LANGUAGES

Course Number	Course Title	Recommended Grade	Periods Per Cycle	Units of Credits	Weighted Value
444210	French I	9-12	6	.50	1.00
444221	French II	9-12	6	.50	1.00
444236	French III	10-12	6	1.0	1.01
444241	French IV Honors	10-12	6	1.0	1.03
444247	French V Honors	11-12	6	1.0	1.03
444310	German I	9-12	6	.50	1.00
444321	German II	9-12	6	.50	1.00
444336	German III	10-12	6	1.0	1.01
444341	German IV Honors	10-12	6	1.0	1.03
444354	German V Honors	11-12	6	1.0	1.03
444510	Spanish I	9-12	6	.50	1.00
444521	Spanish II	9-12	6	.50	1.00
444537	Spanish III	10-12	6	1.0	1.01
444543	Spanish IV Honors	10-12	6	1.0	1.03
444557	Spanish V Honors	11-12	6	1.0	1.03

FRENCH I
444210

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course introduces the student to the language through the familiarization with everyday lives of French people. It stresses the systematic development of basic listening, speaking, reading, writing, and grammar skills. French culture and history are introduced through technology-enhanced multimedia instruction.

FRENCH II
444221

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of French I

French II places an increased emphasis on grammatical structures and vocabulary as aids to improving the listening, reading, speaking, and writing skills. French culture and history are developed through supplementary readings, as well as technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

FRENCH III
444236

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of French II

The basic grammatical concepts of French I and II are reviewed and more advanced structures are introduced. Emphasis is on oral/aural skills, as well as on improving composition skills. The development of these skills is enhanced through the use of current periodicals, essays, and

technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in French with a higher level of vocabulary building and comprehension.

FRENCH IV HONORS
444241

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of French III

This course is intended for those students who want a greater foundation of the French language. Students are able to present information and ideas in the French language on a variety of topics while using advanced grammatical concepts. Students express themselves through written and oral means in a variety of ways to include dramatic format, extemporaneous speeches, and written compositions. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

FRENCH V HONORS
444247

Grades 11-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of French IV Honors

The course is intended for those students who wish to continue studying French in college. Students are able to present information and ideas in the French language on a variety of topics while using intermediate grammatical concepts. Students express themselves through written and oral means in a variety of ways to include dramatic format, extemporaneous speeches, and written compositions. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in French.

GERMAN I
444310

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course provides the student with a basic foundation of the German language. Areas of emphasis include simple oral and written communication, listening, elementary grammar, vocabulary acquisition, and an introduction to the cultures of the German-speaking nations. Teachers will provide technology-enhanced multimedia instruction.

GERMAN II
444321

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of German I

This course provides the student with the opportunity to increase oral, aural, and written communication, to expand grammar skills, to increase vocabulary to build deeper awareness of everyday German culture. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in German.

GERMAN III
444336

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of German II

This course provides the student with a review and refinement of German grammar and improved listening comprehension skills. Special emphasis is placed on oral and written communications to prepare students for more advanced language courses. German, music, history, and culture are explored to broaden the student's vocabulary through technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in German.

GERMAN IV HONORS
444341

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of German III

This course is intended for students who want a greater foundation of the German language. The content covers various types of complex sentences in different tenses in both active and passive voice. Students learn to present information and ideas through written and oral means while studying and using more advanced grammatical concepts. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in German.

GERMAN V HONORS
444354

Grades 11-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of German IV Honors

The course is intended for those students who wish to continue studying German in college. Students are able to present information and ideas in the German language on a variety of topics while using intermediate grammatical concepts. Students express themselves through written and oral means in a variety of ways to include dramatic format, extemporaneous speeches, and written compositions. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in German.

SPANISH I
444510

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50

This course emphasizes correct pronunciation and the basic skills necessary for the use of a language. Elementary Spanish grammar and natural and realistic vocabulary are introduced, enabling the student to develop beginning understanding, speaking, reading, and writing skills. The main goal is to encourage the student to attain a measurable degree of communicative competency and proficiency in each of these four language skills through a combination of traditional and oral-aural techniques, and culture is presented through the use of technology-enhanced multimedia technology.

SPANISH II
444521

Grades 9-12 Pds./Cycle: 6
Weight: 1.00 Credit(s):.50
Prerequisite(s): Satisfactory completion of Spanish I

This course briefly reviews the grammar of Spanish I and introduces additional major points of grammar. Additional practice and emphasis are given to reading, writing, speaking, and listening. The main goal is to encourage the student to attain a measurable degree of communicative competency and proficiency in each of the four language skills through a combination of traditional and oral-aural techniques, and culture is presented through the use of technology-enhanced multimedia technology. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

SPANISH III
444537

Grades 10-12 Pds./Cycle: 6
Weight: 1.01 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of Spanish II

This course includes a review of the grammar of Spanish I and II and introduces advanced grammar, with continued emphasis on oral-aural proficiency. Emphasis is on reading, writing, and speaking by means of short stories and other Spanish literary forms. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

SPANISH IV HONORS
444543

Grades 10-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of Spanish III

This course is intended for students who want a greater foundation of the Spanish language. Students are able to present information and ideas in the Spanish language on a variety of topics while using advanced grammatical concepts. Cultures are studied in-depth. Students express themselves through written and oral means in a variety of ways to include dramatic format, extemporaneous speeches, and written compositions. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

SPANISH V HONORS
4445557

Grades 11-12 Pds./Cycle: 6
Weight: 1.03 Credit(s): 1.0
Prerequisite(s): Satisfactory completion of Spanish IV Honors

The course is intended for those students who wish to continue studying Spanish in college. Students are able to present information and ideas in the Spanish language on a variety of topics while using intermediate grammatical concepts. Students express themselves through written and oral means in a variety of ways to include dramatic format, extemporaneous speeches, and written compositions. Teachers will provide technology-enhanced multimedia instruction. The expectation is that the communication in the classroom (teacher-student and/or student-student) takes place primarily in Spanish.

WEIGHTED COURSE LIST

	Category I	Category II	Category III
	College Prep	Honors/College	All AP
	1.01	**1.03**	**1.06**
Art	Art III	Honors Art	Art History AP
English	English (Level 1) I, II, III, & IV Journalism II Mass Media II World Literature	Eng. II Honors	Eng. AP (Language and Composition) Eng. AP (Language and Literature) College Composition
Mathematics	College Alg/Trig	Calculus	Calculus BC AP
	Pre-Calculus	Algebra IIA	Statistics Advanced Placement
	Prob/Stats	Pre-Calculus A	
Music	Chambers Singers		
	Comprehensive Musicianship		
	Wind Ensemble		
Science	Biology I L1	Biology II Anatomy & Physiology	Biology AP
	Biology II POP Chem. Quantitative	Chemistry II Organic & Inorganic.	Chemistry AP
	Physics I Mechanics	Physics II E&M	Physics C: (Mechanics) AP
			Physics C: (Electricity & Magnetism) AP
Social Studies	US History II L1		Psychology AP
	Econ. L1		World History AP
	American Cit. & Gov. L1		US History AP
	World History L1		Economics – Micro AP
	World Geo. & Global Issues L1		Economics – Macro AP
	Psychology		Anthropology
	Sociology		
World Languages	French III	French IV Honors	
		French V Honors	
	German III	German IV Honors	
		German V Honors	
	Spanish III	Spanish IV Honors	
		Spanish V Honors	
Other	JROTC III	JROTC IV	College Computer Applications

APPENDIX A

ACADEMIC ENRICHMENT CONTRACT

FOR USE BY STUDENT/PARENT IN APPLYING FOR PERMISSION TO ENTER INTO AN ACADEMIC CONTRACT PER BOARD POLICY 118. NOTE: THE APPLICATION MUST BE COMPLETED AND TURNED INTO THE SCHOOL PRIOR TO JUNE 1. IT IS RECOMMENDED THAT APPLICATION TO THE PROGRAM ITSELF NOT BE MADE UNTIL APPROVAL IS RECEIVED FROM THE DISTRICT. **PLEASE PRINT OR TYPE**

SCHOOL YEAR _____

Student Name _____ School _____

Parent's Name _____

Home Address _____

Home Phone_____ Student's Current Grade Level_____ Student's GPA _____

Name of Requested Program _____

Location of Program _____

Sponsoring Organization for the Program _____

Start Date _____ End Date _____

Will you be required to miss a portion of the school day? ☐ YES ☐ NO

If yes, what time would you be away from school each day? (Give actual times. Example: 9:00 a.m. to 10:30 a.m.)

_____

Description of the program: (Attach brochure or syllabus)

_____

_____

_____

_____

Explain why it is important for you to take this program. (You may add an additional sheet, if you need more space.)

_____

_____

_____

_____

NOTE: Generally, the responsibility for all costs, fees, or transportation associated with this program is the sole responsibility of the student/parent making the request.

Student Signature _____ Date _____

Parent Signature _____ Date _____

This form must be completed and returned to the counselor by Jun. 1 for fall enrollment and Oct. 1 for spring enrollment of the year prior to the beginning of the program.

ADMINISTRATIVE USE ONLY

Yes	No		Signature	Date
☐	☐	**Guidance Counselor**	_____	_____
☐	☐	**Building Principal**	_____	_____
☐	☐	**Director of Secondary Education**	_____	_____
☐	☐	**Assistant Superintendent**	_____	_____

APPENDIX B

APPLICATION to PARTICIPATE in DUAL ENROLLMENT PROGRAM

FOR USE BY STUDENT/PARENT IN APPLYING FOR PERMISSION TO ENTER INTO THE DUAL ENROLLMENT PROGRAM PER BOARD POLICY 217. **INSTRUCTIONS:** A STUDENT WHO WISHES TO APPLY FOR PARTICIPATION IN THE DUAL ENROLLMENT PROGRAM, FOR WHICH THE WEST SHORE DISTRICT HAS A VALID AGREEMENT WITH AN INSTITUTION OF HIGHER LEARNING, MUST FILL OUT THIS APPLICATION IN FULL TO BE CONSIDERED. IF AN AREA DOES NOT APPLY TO THE STUDENT, THE AREA SHOULD BE MARKED N/A. OTHERWISE ALL REQUESTS FOR INFORMATION MUST BE PROVIDED AS PART OF THE PROCESS. THE INFORMATION REQUESTED ON THIS FORM IS REQUIRED INFORMATION TO BE CONSIDERED FOR REIMBURSEMENT IF GRANT FUNDS ARE FORTHCOMING FROM THE STATE. WITHOUT THIS INFORMATION, WHICH IS KEPT IN STRICTEST CONFIDENCE, THE APPLICATION CANNOT BE PROCESSED. **PLEASE PRINT OR TYPE**

SCHOOL YEAR ___________________________

☐ Student is applying for admission to: **Harrisburg Area Community College (HACC)**

☐ Student is applying for admission to: ____

Student Name _______________________________________ School ____

Parent's Name ____

Home Address ____

Home Phone_________________________

Student's Current Grade Level______________ Student's GPA________________ Current Credits Earned____________
(Grade level as of the date this is completed)

* *

Name and Number of the College Course(s) you are applying for (fall and spring if applicable):

FALL SEMESTER		SPRING SEMESTER	
1.____________________	1.____________________	1.____________________	1.__________________
2.____________________	2.____________________	2.____________________	2.__________________
3.____________________	3.____________________	3.____________________	3.__________________
4.____________________	4.____________________	4.____________________	4.__________________

Please indicate with which high school course(s) the above college course(s) will be coupled. Make sure that number (1) matches number (1) etc.

Requirements: The student and parent understand and agree that all registration fees, tuition fees, application fees and textbook requirements are their responsibility. The West Shore School District is not responsible for transportation if the student finds he/she must travel to the college campus for the course. The student must meet the minimum entrance requirements of the college offering the course to be considered for this program. This means that the student and parent are responsible to contact the college for this information and be willing to comply with those requirements.

Student Signature ____ Date ____________________________________

Parent Signature ____ Date ____________________________________

This form must be completed and returned to the counselor by Jun. 1 for fall enrollment and Oct. 1 for spring enrollment of the year prior to the beginning of the program.

***Please refer to Board Policy 217 Graduation Requirements and Early Admission to Postsecondary Schools**

ADMINISTRATIVE USE ONLY

Yes	No		Signature	Date
☐	☐	**Guidance Counselor**	_________________________	______________
☐	☐	**Building Principal**	_________________________	______________
☐	☐	**Director of Secondary Education**	_________________________	______________

Appendix C

APPLICATION to PARTICIPATE in FULL-TIME EARLY ADMISSIONS PROGRAM

FOR USE BY STUDENT/PARENT IN APPLYING FOR PERMISSION TO ENTER INTO THE FULL-TIME EARLY ADMISSIONS PROGRAM PERBOARD POLICY 217**PLEASE PRINT or TYPE**

SCHOOL YEAR ___________________________

Student Name ____ School ____

Parent's Name ____

Home Address ____

Home Phone_________________________

Student's Current Grade Level______________ Student's GPA________________ Current Credits Earned____________

(Grade level as of the date this is completed) **(Must have completed minimum (16) high school credits)**

* *

School Applying For Admission To: ____

☐ Full-Time

Name and Number of the College Course(s) you are applying for (fall and spring if applicable):

FALL SEMESTER		SPRING SEMESTER	
1.____________________	1.____________________	1.____________________	1.__________________
2.____________________	2.____________________	2.____________________	2.__________________
3.____________________	3.____________________	3.____________________	3.__________________
4.____________________	4.____________________	4.____________________	4.__________________

Please indicate with which high school course(s) the above college course(s) will be coupled. Make sure that number (1) matches number (1) etc.

Requirements: The student and parent understand and agree that all registration fees, tuition fees, application fees and textbook requirements are their responsibility. The West Shore School District is not responsible for transportation if the student finds he/she must travel to the college campus for the course. The student must meet the minimum entrance requirements of the college offering the course to be considered for this program. This means that the student and parent are responsible to contact the college for this information and be willing to comply with those requirements.

Student Signature ____ Date ____________________________________

Parent Signature ____ Date ____________________________________

This form must be completed and returned to the counselor by Jun. 1 for fall enrollment and Oct. 1 for spring enrollment of the year prior to the beginning of the program.

***Please refer to Board Policy 217 Graduation Requirements and Early Admission to Postsecondary Schools**

ADMINISTRATIVE USE ONLY

Yes	No		Signature	Date
☐	☐	**Guidance Counselor**	_________________________	______________
☐	☐	**Building Principal**	_________________________	______________
☐	☐	**Director of Secondary Education**	_________________________	______________
☐	☐	**Assistant Superintendent**	_________________________	______________

****Supporting documents <u>must</u> be attached to this application. (Transcripts and Recommendation Letter)**
Final approval will be determined by Superintendent.

Appendix D

WEST SHORE SCHOOL DISTRICT
BOARD OF SCHOOL DIRECTORS & ADMINISTRATION

Ronald L. Candioto, Jr., President
Judith A. Crocenzi, Vice President
Thomas C. Falvo, D.O.
Brian K. Guistwhite
Frank J. Kambic
Sheri D. Moyer
Abigail A. Tierney
Christopher D. Weidenhammer
Kelli C. Williamson

NON-MEMBERS

Ryan E. Argot, Ed.D., Secretary
Melinda L. Stuck, Treasurer
Michael W. King, Esq., Solicitor

ADMINISTRATION

Todd B. Stoltz, Ed.D., Superintendent
Jamie A. Whye, Ed.D., Assistant Superintendent

Revised 12-2016