

Eastern York High School
2020/2021
Educational Planning Guide



NOTICE

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Inquiries should be directed to the ADA Coordinator/Title IX Coordinator,
Dr. Rita Becker, Assistant Superintendent, at Eastern York School District, P.O. Box 150, Wrightsville, PA 17368-0150.

EYSD MISSION STATEMENT

The mission of Eastern York School District is to educate, prepare, and motivate each student to dream, to learn, to think, and to achieve throughout life.

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Welcome to Eastern York High School

The Eastern York Educational Planning Guide has been developed to assist students and their families, in working with teachers, counselors, and administrators, to systematically review programs of study provided for students' successful transition from high school to the workforce or post-secondary work. Our faculty and staff take great pride in helping each student in accomplishing his or her individual educational goals. This guide includes a description of the Eastern York School District graduation requirements, grading system, academic awards program, procedures for supporting transfer students, and many varied special programs we offer students. This planning guide also clearly defines various course criteria transferable to specific career and work development pathways for students. Each course summary includes the course number, for scheduling purposes, the course title, course prerequisites, the number of days in the six-day cycle that the course meets, the credit value of the course, and a content description of the course. While it is the goal of administration to provide all students with each course requested, not all courses will be offered each year.

Eastern York High School has a strong tradition of academic excellence and personalized learning. Within this Educational Planning Guide are various personalized programs available to the students of our community. Through increasing partnerships developed with local businesses, a number of academic agreements with Colleges and Universities, and the commitment of our faculty, Eastern York High School is able to provide students with skills, competencies, and dispositions necessary for success in their post-secondary life.

Through specifically developed pathways within the scope of the Eastern York High School Curricula, and prior to students' senior year, all students will meet career requirements as well as critically review multiple careers and design their own Senior Year experience. This experience may include opportunities for attainment of college credit, paid internships, and/or pre-apprenticeships. The development of competencies, skills, and dispositions throughout our students time at Eastern York will be invaluable for our graduates.

Career Planning Grid

Grade 9	Grade 10	Grade 11	Grade 12
STEM Summit (JASCP)	Industry-Based Learning Experiences	Industry-Based Learning Experience, Dual Enrollment, College in the High School	Dual Enrollment, College in the High School
Industry-Based Learning Experiences	Career Electives	Mock Interviews	Pre-Apprenticeship
Career Electives	Career Research	Career Research, Career Electives	School to Career, Internships, Apprenticeship

When planning a program of study, you should consider the student's...

- Educational goals
- Career interests
- Ability and work ethic
- Credit requirements
- Desired courses and the level of difficulty of each course
- Co-curricular and out-of-school activities

The following administrators and counselors are available to help you with any and all concerns you have in regard to scheduling your educational program. Please feel free to consult with the faculty, school counselors or administrators. The High School phone number is 717-252-1551.

<u>Administrators:</u>		<u>Telephone</u>	<u>E-Mail</u>
Dr. Timothy Mitzel	Principal	Ext. 60510	tmitzel@easternyork.net
Mr. Randy Seely	Ass't Principal	Ext. 60512	rseely@easternyork.net
Mr. Nathan McGlynn	Ass't Principal	Ext. 60511	nmcglynn@easternyork.net
<u>Counselors:</u>	<u>Students</u>		
Mrs. Shelly Lehnortt	A through K	Ext. 60523	slehnortt@easternyork.net
Mrs. Natali Monaghan	L through Z	Ext. 60526	nmonaghan@easternyork.net
<u>Secretaries:</u>			
Mrs. Elizabeth Kilheffner	Attendance	Ext. 60502	ekilheffner@easternyork.net
Mrs. Christina McLaughlin	Principal	Ext. 60501	cmclaughlin@easternyork.net
Mrs. Donna Sullivan	Counseling	Ext. 60520	dsullivan@easternyork.net
Mrs. Brenda Kellerman	Receptionist	Ext. 60500	bekllerman@easternyork.net

Eastern York's Grading System

At Eastern York High School, we recognize students for their academic excellence in class at the end of each nine-week marking period, by publishing two honor rolls: the **Superior Honor Roll** and the **Distinguished Honor Roll**. Students who maintain a 3.75 or higher weighted grade point average are eligible for the **Superior Honor Roll**. Students who maintain a 3.4 to 3.74 weighted grade point average are eligible for the **Distinguished Honor Roll**. Students who fail a course, earn a "D" in a course, or have incomplete or missing grades in any course, to include band/chorus/orchestra, are not qualified to receive either honor roll recognition.

Academic Awards & Honors

Valedictorian and Salutatorian distinctions are determined by looking at each student's cumulative, weighted grade point average from 9th through 12th grades. If a student took Academic Algebra IA and/or Accelerated Geometry in the Middle School, this is also included in the calculation. Class rank shall be computed at the end of each semester based on final grades. Band, chorus and/or orchestra are not calculated into a student's grade point average, and therefore, do not affect class rank or the awarding of valedictorian or salutatorian.

Eastern York uses a 4.0 weighted grading system. (Please refer to the Educational Planning Guide's explanation of the Grading System.) The weighted grade point average is a decimal calculation carried out to the thousandth position. The valedictorian award is bestowed on that individual whose

cumulative weighted grade point average is numerically the highest when compared to the rest of the graduating class. Salutatorian is bestowed on that individual whose cumulative weighted grade point average is numerically the second highest when compared to the valedictorian and the rest of the graduating class.

Any two (2) or more students whose computed weighted grade point averages are identical shall be given the same rank. The rank of the student who immediately follows a tied position will be determined by the number of students preceding that student. For example, if two students are tied for valedictorian, each of these students will have a rank of one. The next numerically ranked student will have a rank of three and there will be no salutatorian. Should there be two students tied at the #10 ranking, both students will be honored, meaning that there will be 11 total students honored in this situation.

Grade Point Averages are calculated with regard to weighting factors as stated above. A Weighted Grade Point Average (WGPA) system is used to determine marking period grades and class rank. Using a weighted calculation system, courses assigned a higher weight will have a greater impact on GPA calculations. Courses assigned with a weighted factor are listed below along in accordance with their grade point value and degree of academic rigor.

Courses with a factor of 1.1 are:

Academic English I, III, IV
Academic Literature II
Academic Chemistry
Speech and Creative Writing
Academic Physics
SAT Preparation
Academic U.S. History I
Algebra III/Trigonometry
Accelerated Algebra II
Academic U.S. History II
Accelerated Geometry
Academic Government & Economics
Spanish II, III
Academic World History
German II, III
Programming
Veterinary Science
Math Analysis
Anatomy & Physiology

Courses with a factor of 1.2 are:

Honors Chemistry
Honors Biology
Honors English I
Honors Literature II
Pre-Calculus
Calculus
Spanish IV
German IV
Advanced Placement Statistics
Advanced Placement Calculus
Advanced Placement Chemistry
Advanced Placement English III, IV
Advanced Placement Physics I
Advanced Placement Physics II
Advanced Placement US II History
Advanced Placement Gov't & Politics Pre-
Advanced Placement World History
Advanced Placement European History
Advanced Placement Biology

In order to calculate a student's grade point average (G.P.A.), the percentile (%) listed on a student's report card is converted to its equivalent grade point value listed on the GPA Calculation Table on the next page.

GPA Calculation Table

Percentile Grades (On report card)	Letter Grades (Converted)	Numerical Grade (Grade Point Value)
99-100 %	A+	4.2
92-98 %	A	4.0
90-91 %	A-	3.8
88-89 %	B+	3.2
82-87 %	B	3.0
80-81 %	B-	2.8
78-79 %	C+	2.2
72-77 %	C	2.0
70-71 %	C-	1.8
68-69 %	D+	1.2
62-67 %	D	1.0
60-61 %	D-	.8
0-59 %	F	.0

The weight of the course (1, 1.1, 1.2) is then multiplied by the credit value of the course (.5, 1) times (X) the numerical value of the grade, which equals weighted value for the course. This is determined for each course listed on a report card. Add the credits and divide the total number of credits into the total weighted value of all courses. Please refer to the Schedule Sample below which follows a regular senior schedule where the weighted value for each course is the “X” value in the far right column.

Sample Senior

Example	Report Card Grade	Weight	Converted Letter Grade	Credit	Numerical Grade	"X"
AP English IV	89	1.2	B+	1	3.2	3.84
Academic W History	75	1.1	C	1	2	2.2
Academic Physics	99	1.1	A+	1	4.2	4.62
Calculus	81	1.2	B-	1	2.8	3.36
Art IV	97	1	A+	1	4	4
AP Biology	70	1.2	C-	1	1.8	2.16
Sociology/Psych	79	1	C+	1	2.2	2.2
Speech/Creative Writing	95	1.1	A+	1	4	4.4
				Sum = 8		Sum = 26.78

The W.G.P.A. for this student is 3.3475 (8 divided into 26.78).

In addition to the above-mentioned percentage and alphabetical grades, we use several other grades on our report cards. These grades are:

“EX”= Excused	“P”= Passing All Requirements	“IN”= Incomplete work
“WF”= Withdraw Failing	“WP”= Withdraw Passing	“NG”= No Grade

Eligibility for awards requires attendance at Eastern York High School for two full consecutive academic years (four full semesters) prior to graduation. Students educated outside of the school building on a full or part-time basis, yet earning an Eastern York High School diploma forfeit eligibility for these awards. Enrollment in the Eastern York Cyber Academy on a full or part-time basis, or enrollment at York Adams Academy forfeits eligibility for awards. Eligibility for awards requires students to have attended Eastern York High school for the entire school year. Students transferring to EYHS are not eligible until the next full school year and meet all requirements.

Top ten distinctions are determined by looking at each student’s 1st semester final grades and their 3rd marking period grades as if they were final. The student’s weighted grade point average is calculated for courses taken during this school year only. Students must be carrying a full load of 8 courses that are being graded for credit and students must be working towards earning an EYHS Diploma. Dual Enrollment students taking college courses approved by EYHS are eligible for consideration of this award.

Students on homebound instruction, students participating in early graduation, Eastern York Cyber Academy, York Adams Academy and/or students placed in an alternative educational setting are not eligible for these awards due to the attendance provision. Eastern York High School does not issue Diplomas for any foreign exchange students and therefore, foreign exchange students are not eligible for Top Ten awards. Courses routinely taken to meet the normal requirements for graduation have a

multiplying factor of 1. Courses offered in lieu of the normal offerings that provide increased academic rigor, are faster paced, and require substantially more preparation have a multiplying factor of 1.1. Honors courses and Advanced Placement (AP) have a multiplying factor of 1.2.

Graduation Requirements

An Eastern York High School diploma will be granted to all students who have met Eastern York School District’s graduation requirements as indicated in the District’s Strategic Plan and adopted by the Eastern York School Board. To be eligible for graduation, students must earn 28 credits. These credits may be accumulated in Grades 9 to 12, as well as Academic Algebra IA, Accelerated Geometry, and Keystone Algebra from the middle school. All students will be required to demonstrate achievement by earning 28 credits in the following academic areas:

<u>Subject Area</u>	<u>Credit</u>
Language Arts	4.0
Mathematics	4.0
Science	4.0
Social Studies	4.0
Arts and Humanities	2.0
Personal Finance	1.0
Computer Education	1.0
Physical Education	1.0
Health	1.0
Additional Core Electives	6.0

Students in the high school can earn credits toward graduation beginning in 9th grade, with the exception of students who take Accelerated Geometry in 8th grade and/or Algebra I A in 7th or 8th grade. Those students who take and successfully complete Accelerated geometry in 8th grade and or Algebra I A in 7th or 8th grade will be awarded credits for these courses. Upon entering high school, credits are earned through the successful completion of course requirements offered during the regular school year, or credits transferred from another school. Credits for remediation may also be earned in an approved summer school course depending on availability. Only remedial coursework completed over the summer months is accepted for credit. Credits may also be awarded through the Independent Study Program. No credit is awarded for classes completed over the summer for enrichment. Although not an all-inclusive list, this would include college courses, ambassador programs or camps, traveling abroad, etc

In order for students to advance to the next grade level and be on schedule for graduation, the following minimum number of credits must be accumulated in Grades 9 to 12:

Grade 9	5.0 credits	to move to Grade 10
Grade 10	12.0 credits	to move to Grade 11
Grade 11	20.0 credits	to move to Grade 12
Grade 12	28.0 credits or more	to graduate

Students Transferring into EYHS

All students who move into the Eastern York School District from another public high school, a private high school, or a homeschool environment must satisfactorily complete all of the District's graduation requirements, to include 28 credits, the graduation project, and the Keystone Assessments. When students transferring into EYHS enroll, these guidelines will be used when creating a scheduling.

When possible, incoming students to EYHS will be placed into the same or similar courses in which they were enrolled at their previous school. When this is possible, the students will, upon successful completion of the courses, be awarded the same credits as they would have received at their previous school. When there is a difference in the credit value of a course between the previous school and Eastern York High School, the student's counselor will assess the information and recommend to the principal the credit value to be awarded to the student.

When it is necessary to schedule a student from a traditional (non-block) school during the second semester, courses unable to be scheduled will receive either 0.5 credit for a semester of completed work in each course, or no credit. Students transferring to EYHS are responsible for satisfying all course requirements including topics and assignments that were covered before the student arrived at Eastern York High School. Students transferring into EYHS must have completed at least four semesters at Eastern York prior to graduation to be eligible for valedictorian and salutatorian and honor graduate distinction.

Special Programs & Career Planning

At Eastern York High School, several programs provide specific learning opportunities that enable students to take advantage of their academic strengths, educational goals and career aspirations to move at an accelerated pace or to take advantage of courses that are not offered through the normal high school curriculum. On the pages below you will find information in reference to the following Special Programs and Career Planning:

- York County School of Technology
- Thaddeus Stevens School of Technology
- HACC
- Harrisburg University
- NuPaths
- Dual Enrollment in colleges/universities
- College in the High School opportunities
- Career Capstone
- Eastern York Cyber Academy (EYCA)

York County School of Technology (YCST) - Traditional Programming

Students can apply for Full Time enrollment during their 8th & 9th grade years only. In order to qualify, each student must submit an online application through YCST's website.

Following the application, each student is evaluated on his/her aptitude, attendance record, grades and interest. The admissions officials at the York County School of Technology then select qualified applicants until the quota for Eastern York High School is met. Additional

students may be accepted at a later time if additional openings develop.

In order to be considered for enrollment at the York County School of Technology, applicants must earn a minimum of four credits in grade 8 or 9. Those credits include English, Social Studies, Mathematics, and Science. Students must pass these courses in the year that they apply. Student attendance is also reviewed. Students must have less than 5 unexcused absences to be considered for admittance.

Each October, parents and students are notified of the programs available and the application deadlines via email and the Skyward Message System. Interested students are encouraged to submit the online application by the established deadline. Please contact the Counseling Office with specific questions regarding applications.

In accepting applicants for admission, the York County School of Technology complies with Title VI of the Civil Rights Act of 1964; Title IX of the Educational Amendments of 1972; and Public Law 90-202, which prohibits discrimination on the basis of race, color, national origin, religion, sex, or physical handicap and also Section 503/504 of the Federal Rehabilitation Act of 1973.

Students who are accepted and agree to attend the YCST should be aware that they are committed to attend the school for at least one full year.

YCST offerings

Arts & Human Services	Construction Pathway
Commercial & Advertising Art	Architecture & Construction Management
Communication Technology	Carpentry and Construction Technology
Criminal Justice	Electrical Occupations
Culinary Arts	Heating Ventilation & Air Conditioning/Plumbing
Dental Assisting	Landscape & Agriculture
Early Childhood Education	Engineering & Advanced Manufacturing
Licensed Cosmetology	
Medical Professions Programs	Manufacturing/Transportation Pathway
Sports Technology & Exercise Science	Automotive Technology
	Collision Repair Technology
Information Technology Pathway	Diesel Technology
Computer Programming & Interactive Media	PowerSports & Engine Technology
Electronics/ IT Support	Precision Machining Technology
IT Systems Management Specialist	Welding & Metal Fabrication Technology
Network Systems & Cyber Security	

YCST Flex Programming

York County School of Technology offers the following part-time courses for 11th and 12th grade students. Students must reside in one of the fourteen participating school districts in York County.

Students who enroll in any of the part-time courses must follow all YCST rules and regulations. This includes purchasing and wearing school uniforms. Courses will run daily from 1:30-3:00 p.m. Please consider this when planning your course schedule. Transportation to and from YCST

will the responsibility of the student/parent. Interested students should apply through their EYHS school counselor. YCST will accept applications between March and May. For more information, contact your counselor or call the Student Services Office at 741-0820, ext. 5112. This information and school program videos are also posted on the school’s website: http://www.ytech.edu/UserFiles/Servers/Server_20326237/File/Part-time%20brochure.pdf

Introduction to Automotive Technology	Construction Technician
Mechatronic/Industrial Controls Technology	Intro to Welding
Nail Technology	

Thaddeus Stevens College of Technology

Eastern York students may choose to participate in the Early Enrollment program at Thaddeus Stevens. This program offers qualifying students the opportunity to complete their freshman year at Thaddeus Stevens College of Technology while still seniors in high school. Early Enrollment is a fully immersive program where students can start earning credits in the majority of Thaddeus Stevens’s high-demand, high-wage majors.

These innovative, technical-based majors train students for many different job opportunities, providing knowledge and skills that help graduates excel in their lives—professionally and personally. Many graduates receive multiple job offers before receiving their degree and have options to pursue higher degrees at four-year colleges and universities.

Early enrollment differs from Dual Enrollment as it requires the student to take all of their classes at Thaddeus Stevens College. Students who choose to enroll early are considered full time, college students and will not report to their home high school at any point during the school day.

The average Early Enrollment student will be in class Monday through Friday. The majority of the technical programs meet from 12 – 4:30 p.m. each day, Monday-Friday. The academic classes typically meet in the morning. These classes do not meet each day but instead could meet twice or three times a week. The majority of the early enrollers take anywhere from two to three academic classes a semester.

Tuition for Early Enrollment students at Thaddeus Stevens is 50 percent of the cost of full tuition for traditional students (2019-2020 for early enrollers is \$4,100). All tuition and transportation is the responsibility of the student and the parents/guardians.

Early Enrollment students are eligible for financial aid, including the Stevens Grant, which provides free tuition to qualifying students based on financial need. Students are also eligible for scholarships provided by the Thaddeus Stevens Foundation and Federal Direct loan.

More information can be found on their website: <https://stevenscollege.edu/earlyenrollment/>

Thaddeus Stevens College of Technology Offerings

Architectural Technology	Computer & Networking Systems Administration	Graphic Communications & Printing Technology
Automotive Technology	Computer Software Engineering Technology	Heating, Ventilation & Air Conditioning - Refrigeration
Business Administration	Electrical Technology	Masonry Construction Technology
Cabinetmaking & Wood Technology	Electro-Mechanical Technology	Metals Fabrication & Welding Technology
Carpentry Technology	Electronic Engineering Technology	Plumbing Technology
Computer Integrated Machining	Engineering CAD Technology Welding Technology	Residential Remodeling Tech. Electrical Construction & Maintenance (9 month certificate)
Water & Environmental Technology		Metalcasting & Manufacturing Management (9 month certificate)

Harrisburg University of STEM - NuPaths

Students with an interest in credentialed career opportunities including IT skills, Cyber Security, or Network Technicians are eligible to participate in the NuPaths program offered at Eastern York High School. NuPaths offers multiple career pathways for the growing opportunities in information technology. Students participating in this program are able to choose from pathways that provide specific IT skills for well-paying and in-demand jobs, earn industry-recognized certifications and college credits, prepare for an apprenticeship where you can earn and learn, continue to grow your IT career by combining multiple NuPaths programs, and keep pace with evolving technology. These courses are available at a reduced rate.

Dual Enrollment and College in the High School

Juniors and Seniors interested in enrolling in college courses while still in high school may apply to the Dual Enrollment Program. It is recommended that students planning to schedule Dual

Enrollment courses maintain a cumulative 3.0 GPA. Eastern York currently has agreements with:

- HACC York
- Harrisburg University
- Lancaster Bible College
- Millersville University
- Penn State York
- York College
- Mansfield University (can be any grade with counselor recommendation)

Although all of these colleges offer reduced rates on tuition for high school students, all costs for tuition, fees, textbooks and any other expenses along with transportation to the college will be the sole responsibility of the student and their family.

This program requires students to obtain an application through their school counselor and adhere to the college deadlines. Proof of college enrollment is required each semester and students must meet eligibility guidelines for the college to which they are applying. Students are not permitted to drop dual enrollment courses after the first week of each semester. If, during the semester, the college recommends dropping the course due to poor grades or attendance, students and parents should note that the student will still receive a "F" on their high school transcript. Students are responsible for submitting their college grades to their school counselor at the end of each marking period. Regarding 2nd semester: Students must submit a 3rd marking period grade in order to be considered for Academic Awards AND students must submit final grades by the fourth Friday in May to be considered for Valedictorian, Salutatorian, Honor Graduate Distinction and proof of completed graduation requirements.

Students must maintain full time enrollment carrying a total of four classes between EYHS and the Dual Enrollment College option. For example: 3 EYHS classes/1 Dual Enrollment; 2 EYHS classes/2 Dual Enrollment; 1 EYHS/3 Dual Enrollment or 0 EYHS/4 Dual Enrollment. Students are advised to work closely with their school counselor to coordinate their schedule. College courses taken in lieu of Eastern York's Core Courses must be approved by the student's school counselor.

Dual enrollment courses can be taken outside normal school hours, meaning students can enroll in college courses that begin after 2:34 PM and on the weekends. All approved college courses will be included in the student's High School GPA and all college courses are weighted a 1.0. Each college class must be at least 3 college credits. Although students can take dual enrollment courses in the summer, courses taken during the summer will not count toward high school graduation requirements nor will they be included in the student's GPA/Transcript.

If students intend to transfer dual enrollment college credits after high school graduation, students are reminded of their responsibility to research the transfer agreements between colleges for potential transfer of these college credits. Students should be aware that some colleges may not accept college credits for transfer if the credit(s) also fulfill high school graduation

requirements.

Students are required to sign in/out of the attendance office each day when they arrive/depart.

Among the benefits of partnerships with various Universities and Colleges, some Eastern York Courses may have eligibility for college credits. These courses are considered as College in the High School. Students would concurrently enroll in these courses through the Post Secondary institution coupled with the course. Through this opportunity, students are able to earn college credit while simultaneously taking the CHS designated course at Eastern York without leaving the high school campus. This program is different from dual enrollment and therefore has different costs associated with it. Courses designated as CHS courses are indicated as such in the course offering section of this guide. Students interested in this opportunity should speak with their counselors for details.

Independent Study

At Eastern York High School, several programs provide personalized learning opportunities that enable students to take advantage of their academic strengths, educational goals and career aspirations to move at an accelerated pace or to take advantage of courses that are not offered through the normal high school curriculum. These programs are the Independent Study Program, the Gifted Education Program, and college courses taken at local colleges/universities.

The Independent Study Program is designed for 10th, 11th, and 12th grade students who have an interest in expanding their knowledge in a specific content area, and who demonstrate academic proficiency, mature judgment, a strong motivation to learn and self-reliance qualities. Through this program, students may earn up to three (3) credits from independent study courses.

An Independent Study Course is defined as “a course that examines information or opportunities not normally included in the curriculum as described in the Educational Planning Guide.”

To enroll in the Independent Study Program, the following guidelines must be followed:

- The student, the student’s parents, the student’s counselor, site facilitator (if different from teacher), and the teacher of the course must approve the enrollment in the independent study course.
- The independent study course is an approved course of instruction that is equivalent in credit value to regular classroom courses of similar content. Up to one credit will be awarded for the course based on satisfactory completion of the requirements, the amount of time and work devoted to the study, and teacher/sponsor approval.
- The Independent Study course is offered to students who have exhausted the department course offerings.
- The student must submit an “Application for Independent Study” form and an Independent Study Proposal by May 15th for the following year. The Independent Study Proposal must include the topic or title of the course to be studied, the goals and objectives of the course, the scope and sequence of the course, the method or methods to be used to assess the student’s work and to determine a course grade, and the scoring rubric that will be used in the course. The “Application for Independent Study” must be typed, and can be accessed from every chromebook.
- Students must submit their applications for independent study and independent study

proposals through their counselors to the high school principal. After the principal completes his review, he will submit the applications and proposals for independent study to the School Board for final approval.

Career Opportunities

Eastern York School District has developed a Chapter 339 Work Standards program designed to provide specific designated career education opportunities for its students in Kindergarten through twelfth grade. At Eastern York High School, all students will experience a variety of career education opportunities and create personalized artifacts as it relates to each individual student.

All students will meet with their counselors to develop a personalized Career Portfolio to warehouse documents related to individual student interests, aptitudes, and skills relating to potential career pursuits. As students review their schedules, counselors will require students to critically review course offerings, special programs, internships, or career pathways aligned to their specific interests and skills.

Included in the Career Portfolio are research projects, interest surveys, artifacts, career panelists interview notes, job shadow records, resumes, and cover letters. In conjunction with regular and systematic meetings with counselors, students are provided information related to potential career pathways below. In addition to core coursework in English, Science, Social Studies, and Math, students are able to review potential courses listed below for experiences within each of the career pathways provided at Eastern York. Courses listed for Manufacturing, Communications, Healthcare, Business Education and Computer Technology, and Agricultural Sciences provide students with pre-requisite skills necessary for potential internships, early enrollment in colleges or trade schools, and potential pre-apprenticeship and apprenticeship opportunities.

Eastern York High School provides students with a systematic course selection system providing competencies, skills, and knowledge necessary for success in post-secondary work, career employment opportunities, and military enlistment. Its function is to serve as a reference for a personalized education plan, supported through a partnership developed between families and educators. Throughout a student's high school experience, this planning guide will provide suggested course work to support each student's post high school goals. This section of the Educational Planning Guide provides an organized structure for course selection tailored to each career opportunity displayed. The career list is not exhaustive but rather serves as a list of courses that support success in the related career fields. Students are encouraged to use the following document for career planning purposes.

Career Planning Capstone - Internship Program

The Career Planning Capstone is for seniors who are interested in spending an extended period of time involved in hands-on and observation in an occupational area of interest in a professional field. The Capstone Program is offered as either a non-paid work experience, which will give the students the opportunity to observe and participate with a professional in their area of interest for *one semester*, or the opportunity for working during part of the school day for school credit at a job that is *related to the student's career objective*.

Students will receive two credits for a semester internship, one (1) for the classroom component and one (1) for the internship site experience. Students pursuing a career objective in Education and who want to participate in a non-paid work experience in the elementary schools should have a good attendance record and a Grade Point Average of 2.5 or better.

The paid portion of the Career Planning Capstone Program is for any senior who is interested in working during part of the school day for school credit at a job that will be *related to the student's career objective*. Students participating in this program must have a paid work experience. Students may enroll in this program for either *a semester or for a full year*. During the semester option, students spend a portion of their work experience time in class at the high school and the remainder of the work experience time at the job site.

Students enrolled in this option receive two credits, one (1) for the classroom component and one (1) for the job site component. Students who choose to remain in the program for the entire year will receive two credits during the 2nd semester for the time they spend at the job site.

Admission to the Career Capstone Program

Students interested in either paid or non-paid capstone programming must complete an application form and return it to the Career Capstone Coordinator. The selection process includes receipt of the application form, a meeting with the Career Capstone Coordinator, and a review of the student's high school record by the student's counselor.

Students accepted into the program will be in the Career Capstone Program for *blocks 3 and 4*, and they must be willing to commit to blocks 3 and 4 for the semester in which they are enrolled in the program. If students elect to take the program for an entire year, they will be committing to blocks 3 and 4 for the entire year. If students elect the full year program, they will have the classroom component during the first semester, and during the second semester, they will be released at 10:30 A.M. to report to the site of the work experience. Students that are selected for the program will be notified by the beginning of May. **Students accepted in the program must have employment prior to the beginning of the school year and/or the semester they are enrolled.**

In addition to the traditional academic curriculum, students at Eastern York High School also may choose to participate in the School-to-Career Program. This program is for seniors who are interested in participating in a career-related work experience. The course offerings enable the student to learn about a specific career area in an appropriate work setting. By participating in a specific career related work experience, the senior will learn skills that are needed to apply for and maintain employment, receive necessary training, and learn about potential opportunities for permanent employment in a chosen career field. The purposes of the School-to-Career Program are to:

- Provide practical work experience that enhances the student's classroom education.
- Afford students the opportunities to gain further knowledge of selected professions or occupations.
- Help students understand and appreciate their academic course work through direct application in the work setting.
- Refine employment skills

Early Start College Program

Students who wish to pursue an early start to college are encouraged to review the College in the High School and Dual Enrollment sections in this planning guide. Juniors and Seniors may choose to gain an early start on a two or four year degree program through enrollment in the Early College Program. This program requires Juniors and Seniors to explore options of careers requiring a two or four year college degree. Requirements for Dual Enrollment must be met in order to participate in this program.

Colleges partnering with Eastern York School District provide credits obtained through Dual Enrollment at a substantially discounted rate. Tuition costs for courses established with each college is the responsibility of the student and family to work with counselors when determining the cost per credit. Juniors and seniors selecting this option may be able to earn both college and high school credit simultaneously and will not be required to be in attendance at EYHS during scheduled dual enrollment college class.

Early Release from High School – Early Graduation

A student may, with parent/guardian permission and in accordance with the provisions of the policy, be considered for early release from Eastern York High School to attend a postsecondary vocational, technical, two-year college or four-year college full-time, or enlist in the military full time.

Twelfth grade students, in good standing who need four or less credits to graduate and whose schedule will allow, may schedule those classes during the 1st semester of their senior year, and take post-secondary courses during the 2nd semester on a full-time basis. The student's final cumulative GPA and class rank will be determined in January of his/her graduation year. Classes taken at the college during the 2nd semester will not be reported on the student's transcript and will not be included in the student's cumulative GPA or class rank. The student must provide documentation to the Counseling Department verifying the student's acceptance to the post-secondary institution. This documentation must include an outline of the student's daily schedule including the starting and ending date for the spring term. Students will not be considered for early release from high school if they cannot verify their full-time enrollment in postsecondary study. Transportation and expenses for post-secondary courses will be the sole responsibility of the student's family. Because a student's schedule could potentially interfere with the student's ability to participate in this program, it is of great importance that the student inform the Counseling Department as early as possible of his/her intention to finish high school during the first semester.

The student's counselor and high school principal will evaluate the student's qualifications to determine if he/she meets the requirements of the program. The principal will forward all applications for early release from high school to the Superintendent, who will forward the applications to the Eastern York School Board of Directors pursuant to Board Policy #217. If recommended and approved by the Superintendent and recorded in the official Board Minutes, the student shall then be granted acceptance into the program.

Interested students may obtain the required forms from the Counseling Department Office;

deadline is the 1st school day in February of junior year.

Eastern York Cyber Academy (EYCA)

This plan of study should serve as a guide as you choose your courses for Eastern York Cyber Academy's curriculum. An EYHS diploma is awarded upon successful completion of graduation requirements. Students selecting a blended option and taking courses through EYCA and at EYHS are responsible for transportation outside of the regularly scheduled bus runs. EYCA students should contact the Counseling Office for more information pertaining to the graduation project and its requirements. As listed in the EYHS Handbook, students attending EYCA on a full or part-time basis will be held to the same expectations as full-time EYHS Students. Participation in activities such as homecoming, prom, graduation ceremony, etc. are privileges and participation can be revoked due to attendance and/or disciplinary issues. Please refer to EYHS Student-Parent Handbook for a list of policies and procedures. The handbook is located on www.easternyork.com.

Since successful completion of cyber classes requires serious motivation on the part of student and parent(s), entry into EYCA is predicated on written agreement by students and parents to the commitment regulations and attendance requirements set forth in the signed EYCA contract. Failure to comply with those regulations can be grounds for dismissal from the program.

Career Portfolio Meeting

Course selection at the High School is completed individually with students and their school counselor during their annual career portfolio meeting. Students' career aspirations, grades, course requirements and course offerings will be reviewed each year at this time. Student course selections will be entered into Skyward by the school counselor and shared with student parents' via email.

Parents reviewing this information are encouraged to contact their student's counselor with questions. (Please note, it is not until **ALL** students' information is obtained that the creation of the master schedule begins. The timing of individual career portfolio meetings provides no advantage for students regardless of the time of the meeting. Student course requests are housed in Skyward until **ALL** student requests are complete.)

When choosing courses, the advice of parents, teachers and counselors should be utilized. Student selections are considered *final* in order to make a master schedule, which accommodates the variety of requests received.

All students are required to carry a minimum of four (4) credits per semester for a maximum of 8 credits per school year. When scheduling courses, students should not double up on sequential courses in the same semester. The high school principal may waive this requirement for seniors, if the student can graduate as a result of the doubling up of courses. No more than two courses from the same department may be doubled up. In regards to electives, every effort is made to accommodate first choices. When chosen electives do not fit student schedules, alternates are utilized. When alternate courses do not fit or alternates were not listed during scheduling, an appropriate elective will be entered.

Seniors, who fail a subject at the end of the first semester and must repeat that course during the

second semester of the school year in order to graduate on time in June, are responsible for notifying their counselor of the failure on the day students receive their final course grade.

Underclassmen who fail a subject in January are rescheduled for that course in the spring semester if possible. Underclassmen who fail a subject in June may make-up the course either by taking the course in summer school, or by retaking the course during the next school year. Students who attend summer school assume the responsibility for notifying their counselor of their summer school results on the last day of the summer school session so the counselor can make the necessary schedule changes before the start of the school year. Summer school tuition/fees are the responsibility of the students' family.

A four year plan of study outlined below can be used to serve as a guide when choosing requirements and electives. Honors and Academic students should consider "doubling up" in courses in order to fulfill prerequisites should they plan on taking our most advanced courses. Careful review of the table on the next page (EYHS Plan of Course Study)

EYHS Four Year Plan of Study

Subject	9th Grade	10th Grade	11th Grade	12th Grade
English 4 Credits	English I Honors English I Academic Language Arts Strategies I	Honors Literature II Academic Literature II Literature II	English III, AP English English III, Academic English III	AP English IV Academic English IV English IV
Math 4 Credits	Alg IA/IB Keystone Alg I/Acc Geometry Keystone Alg I/Acc Alg II	Geometry A/B Acc Alg II Math Analysis Pre-Calc	Acc Alg II/Alg II Math Analysis Pre-Calculus	Pre-Calculus Probability/Statistics AP Statistics Calculus AP Calculus AP Statistics
Social Studies 4 Credits	Academic U.S. I US I	AP U.S. History Academic U.S. II U.S. II	AP Govt/Politics Academic Govt/Econ Govt/Econ	AP World History Academic World History World History
Science 4 Credits	Gen Science (required)	Honors Biology Biology	AP Chemistry/Honors Chemistry Academic Chemistry Physical Science AP Biology	AP Physics 1 Academic. Physics Science/Ag Elective AP Biology
Personal Finance 1 Credit			Personal Finance	
Computer Credit	Recommended in 9th/10th grade			
Physical Ed. 1 Credits		PE (10th, 11th or 12th)		
Health 1 Credit		Recommended to take in 10th grade		
Arts/Humanities 2 credits can be scheduled in any year	Courses designated with ***			
Electives 6 credits	2 scheduled electives in 9th grade	3 scheduled electives in 10th grade	3 scheduled electives in 11th grade	4 scheduled electives in 12th grade

CAREER PATHWAYS

Eastern York High School provides students with a systematic course selection system providing competencies, skills, and knowledge necessary for success in post-secondary work, career employment opportunities, and military enlistment. Its function is to serve as a reference for a personalized education plan, supported through a partnership developed between families and educators. Throughout a student's high school experience, this planning guide will provide suggested course work to support each students' post high school goals. This section of the Educational Planning Guide provides an organized structure for course selection tailored to each career opportunity displayed. The career list is not exhaustive but rather serves as a list of courses which support success in the related career fields.

Agricultural Sciences

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner’s educational and career goals.

	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
E Y H S E X P E R I E N C E	English I	English II	English III	English IV
	Algebra I (A&B) or Geometry (A&B), Algebra II	Geometry (A & B) or Algebra II	Pre-Calculus or Statistics	Pre-Calculus, Calculus or College Algebra
	General Science (A & B)	Biology	Chemistry, Physical Science	Physics
	US I	US II	Gov’t & Econ	World History
	<u>Career Electives:</u> <ul style="list-style-type: none"> ● Landscape Design & Soil Science ● Ag Mechanics ● Livestock Management ● Companion Animals ● Floriculture Design ● Pre-Veterinary Science ● Small Engines & Welding ● Horticulture/Aquaponics/Greenhouse Management 			
C A R E E R	<u>Career Pathway Opportunities:</u> Job Shadow: SWF - Welding Career Planning Capstone		<u>Career Learning Opportunities:</u> YCAL Agriculture Day York County Parks PA Fish & Game Commission KRB SWF YCTS Flex Program	
P O S T E Y H S	<u>High School Diploma/Short Term/Industry Credit</u> <ul style="list-style-type: none"> ● Field Worker ● Maintenance Worker ● Harvester ● Fish/Wildlife Worker ● Animal Herder ● Ranch Hand ● Landscaper ● Welder 		<u>Associates Degree</u> <ul style="list-style-type: none"> ● Bio-Resource Technician ● Hydrology Technician ● Agro Forester ● Fish/Wildlife Technician ● Ag & Field Technician ● Bio Technician ● Vet - Technician 	<u>Bachelor’s Degree</u> <ul style="list-style-type: none"> ● Environmental Scientist ● Oceanographer ● Marine Biologist ● Agricultural Engineer ● Chemist ● Veterinarian ● Golf Course Management

Business Education and Computer Technology:

This program of study focuses on careers oriented on planning, organizing and evaluating efficient and productive business operations, investment planning, banking, insurance, and business financial management, networking, IT Fundamentals Pro, cyber security, computer maintenance and repair, and software development. Students wishing to pursue a career in business and technology should consider the following courses:

	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
E Y H S E X P E R I E N C E	English I	English II	English III	English IV
	Algebra I or Geometry, Algebra II	Geometry or Algebra II	Pre-Calculus or Statistics	Pre-Calculus, Calculus or College Algebra
	General Science A/B	Biology	Chemistry	Physics, Physical Science
	US I	US II	Gov't & Econ	World History
	<u>Career Electives:</u> <ul style="list-style-type: none"> Accounting I NuPaths Cyber Security Desktop Publishing Law for Business & Entrepreneurship 		<u>Career Electives:</u> <ul style="list-style-type: none"> Digital Media Yes Program Networking I & II IT Fundamentals Pro Microsoft Office 	
C A R E E R	<u>Career Pathway Opportunities:</u> <ul style="list-style-type: none"> Job Shadow Information Technology EYHS Summer Tech Internship Internship/Apprenticeships with DOSCEO Career Planning Capstone 		<u>Career Learning Opportunities:</u> <ul style="list-style-type: none"> HU - Cyber Security Program and Certifications YCAL - Business Days DOCEO 	
P O S T E Y H S	<u>High School Diploma/Short Term/Industry Credit</u> <ul style="list-style-type: none"> Entrepreneur Network Technician Website Designer Sales Associate Data Entry Clerk 	<u>Associates Degree</u> <ul style="list-style-type: none"> Bookkeeper Paralegal Mortgage Broker Benefits Specialist Network Architect Administrative Assistant 		<u>Bachelor's Degree</u> <ul style="list-style-type: none"> Accountant Chief Financial Officer Financial Planner Hotel Manager Software Engineer Sales/Store Manager

Communications: Communication is a critical component to success. Students interested in pursuing careers as a business executive, human relations manager, public relations manager, marketing executive, advertising executive, media planner, web content manager, broadcasting and paralegal may wish to consider the following courses:

E Y H S E X P E R I E N C E	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
	English I	English II	English III	English IV
	Algebra I or Geometry, Algebra II	Geometry or Algebra II	Pre-Calculus or Statistics	Pre-Calculus, Calculus or College Algebra
	General Science A/B	Biology	Chemistry	Physics, Physical Science
	US I	US II	Gov't & Econ	World History
	<u>Career Electives:</u> <ul style="list-style-type: none"> ● Video Productions ● Advanced Video Productions ● Sociology/Psych ● Introduction to Photography ● Law for Business and Entrepreneurship ● Speech & Creative Writing ● Journalism ● Introduction to Graphic Communications ● IT Fundamentals Pro ● Desktop Publishing 			
C A R E E R	<u>Career Pathway Opportunities:</u> <ul style="list-style-type: none"> ● Job Shadow ● 		<u>Career Learning Opportunities:</u> <ul style="list-style-type: none"> ● Dual Enrollment ● College in the High School ● Thaddeus Stevens Early Enrollment ● School to Career ● Internships 	
P O S T E Y H S	<u>High School Diploma/Short Term /Industry Credit:</u> <ul style="list-style-type: none"> ● Sales/Marketing ● Photographer 	<u>Associates Degree:</u> <ul style="list-style-type: none"> ● Graphic Designer ● Advertising ● Customer Service ● Administrative Assistant 	<u>Bachelor's Degree:</u> <ul style="list-style-type: none"> ● Journalism ● Speech/Broadcasting ● Marketing/Advertising ● Public Relations ● Human Resources 	

Healthcare: Recent data collected from South Central Pennsylvania Workforce Development identifies careers in the medical field among those of the greatest growth. Jobs within the medical field include Medical Assistant, Nursing Assistant, Home Health Aide, Licensed Practical Nurse, Physician, Therapist, Registered Nurse, and Pharmacy Technician. In addition to requirements, students wishing to pursue a career in the medical field should consider the following courses:

	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
E Y H S E X P E R I E N C E	English I	English II	English II	English IV
	Algebra I or Geometry, Algebra II	Geometry or Algebra II	Geometry or Algebra II	Pre-Calculus, Calculus or College Algebra
	General Science A/B	Biology	Biology	Physics, Physical Science
	US I	US II	US II	World History
	<u>Career Electives:</u> <ul style="list-style-type: none"> ● Child Care ● Sociology/Psychology ● Anatomy & Physiology ● High Performance Fitness ● HU Courses for LPN 			
C A R E E R	<u>Career Pathway Opportunities:</u> <ul style="list-style-type: none"> ● Job Shadow ● Internships ● Career Planning Capstone 		<u>Career Learning Opportunities</u> <ul style="list-style-type: none"> ● Advantage Physical Therapy ● YCAL - Health Care Days ● Harrisburg University - Nursing ● Minich's Pharmacy 	
P O S T E Y H S	<u>High School Diploma/Short Term /Industry Credit</u> <ul style="list-style-type: none"> ● Home Care Aide ● Pharmacy Technician ● Massage Therapist ● Lab Aide ● Medical Secretary ● Fitness Instructor 		<u>Associates Degree</u> <ul style="list-style-type: none"> ● Emergency Medical Tech ● Respiratory Therapist ● Medical Assistant ● LPN ● Medical Biller ● Quality Assurance Tech 	<u>Bachelor's Degree</u> <ul style="list-style-type: none"> ● Radiologist ● Dental Hygienist ● Athletic Trainer ● Physical Therapist ● Occupational Therapist

Manufacturing: Recent data collected from South Central Pennsylvania Workforce Development identifies manufacturing careers as the area of highest need. Jobs related to the manufacturing field include but are not limited to: Fabricators, Machinists, Production Managers, Quality Control Specialists and Welders.

Students wishing to pursue a career in manufacturing should consider the following courses:

	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
E Y H S E X P E R I E N C E	English I	English II	English III	English IV
	Algebra I or Geometry, Algebra II	Geometry or Algebra II	Pre-Calculus or Statistics	Pre-Calculus, Calculus or College Algebra
	General Science A/B	Biology	Chemistry	Physics, Physical Science
	US I	US II	Gov't & Econ	World History
	<u>Career Electives:</u> <ul style="list-style-type: none"> ● Technical Drawing and Design ● Architectural Drawing and Design ● Advanced Architectural Design ● Engineering Drawing and Design ● Metal Manufacturing I and II 		<ul style="list-style-type: none"> ● Energy, Power, and Control ● Small Engines/Welding ● Introduction to Graphic Communications ● Advanced Graphic Communications ● Art Metal/Jewelry Making ● Engineering Technology ● Wood Manufacturing I and II ● Transportations Systems 	
C A R E E R	<u>Career Pathway Opportunities:</u> <ul style="list-style-type: none"> ● Job Shadow ● Internships ● Career Planning Capstone 		<u>Career Learning Opportunities:</u> <ul style="list-style-type: none"> ● YCST Flex Program ● Thaddeus Stevens Early Enrollment ● SWF 	
P O S T E Y H S	<u>High School Diploma/Short Term /Industry Credit:</u> <ul style="list-style-type: none"> ● Machine Operator ● Laborer ● Assembler ● Electrical Apprentice ● Plumber Apprentice ● Carpenter Apprentice ● Welder ● Masonry Apprentice 		<u>Associates Degree:</u> <ul style="list-style-type: none"> ● Electrician ● Plumber ● Welder (Specialized) ● Mason ● Drafting Technician 	<u>Bachelor's Degree:</u> Engineering <ul style="list-style-type: none"> ● Civil ● Electrical ● Architectural ● Architecture

Partnering Schools, Colleges, and Universities:

Eastern York High School maintains written agreements with the following colleges and universities.

- HACC York
 - Dual Enrollment opportunities
 - Harrisburg University
 - Programs of highlight with Harrisburg University include College in the high school offerings and NuPaths.
 - Lancaster Bible College
 - Programs of highlight with Lancaster Bible College include Dual Enrollment courses.
 - Millersville University
 - Programs of highlight with Millersville University include Dual Enrollment courses.
 - Penn State York
 - Programs of highlight with Penn State York Campus include Dual Enrollment courses.
 - York College
 - Programs of highlight with York College include Dual Enrollment courses.
 - Mansfield University (can be any grade with counselor recommendation)
 - Programs of highlight with Mansfield include Dual Enrollment courses and Mansfield University's Early Start Program (ESP).
-

Course Offerings

Each course described has five components listed on three lines. The first line contains the course number, the course title, (which may include a grade level) and the course's level of rigor, i.e., general, academic, honors or advanced placement. The second line contains the prerequisites and the third line contains the credit value of the course and the number of periods per 6 day cycle the course meets.

AGRICULTURE EDUCATION

The courses listed in this section are part of the Agricultural Science (Ag Science) Program and are open to all students. Students enrolled in any Ag Science course will be eligible to join Eastern York High School's Chapter of FFA and compete in academic contests. NOTE: Some courses are only offered every other year, so please plan accordingly

077562 Companion Animals

Prerequisite: none

0.5 Credits 6periods/cycle

Small animals are a part of most of our lives. Students in this course will explore the various types of small animals and reptiles. Topics include identification, selection of companion animals, caring for and managing the health of pets, as well as the cost of owning a small animal. This course involves the use of small animals within the classroom as a hands on learning experience.

07562 Floriculture & Design

Prerequisite: None

1.0 Credits 6 periods/cycle

This course will focus on floral design and the flower industry. Topics will include basic botany, floral supplies and equipment, principles of floral design, color and symmetry, construction and mechanics of floral designs, floral crops, and preparation and care of flowers and foliage. Students are highly encouraged to join the FFA club and compete in the Floriculture Competition during or after completing this course.

07569 Landscape Design, Forestry, Orienteering, and Wildlife Management

1.0 Credits 6 periods/cycle

Students will learn landscape design principles and landscape plant identification. Students will learn to use drafting tools to draw their own landscape designs. Application of this knowledge may come in the form of doing some actual landscape work, as well as putting up a landscape display somewhere on school property or at the PA Farm Show. In Forestry, students will learn tree identification, how to determine tree value, and how to manage a woodlot. Students will complete several hands-on activities at the school's woodlot and at Sam Lewis State Park. In Soil science, students will complete several labs to determine how to evaluate soil quality. Orienteering is also taught in this class. Students are challenged to create and follow compass courses, around the school and they learn how to read and interpret topographic maps. Class also

covers Wildlife Management principles.

07572 Small Engines and Welding

1.0 Credits 6 periods/cycle

In this class, students will have class and hands-on lab time in small engines and welding. The course will cover gas and diesel engine operation, troubleshooting, repair, and applied scientific principles relating to engines. Students will disassemble and rebuild a 3 HP Briggs & Stratton motor. Welding will cover electricity, welder operation, and metals. Students will perform several welds using the following: arc welding, oxy-acetylene and MIG welding.

07573 Ag. Mechanics

1.0 Credits 6 periods/cycle

Students will complete classroom theory and hands-on applications of safety, tool identification and hardware. Major units of study and practice are completed in surveying, electrical wiring, plumbing, pneumatics and hydraulics and general construction.

07575 Horticulture/Aquaponics/Greenhouse Management.

Prerequisite: **General Science A/B**

1.0 Credits 6 periods/cycle

Students will learn basic plant science including plant anatomy, requirements for growth, growth stimulants and retardants, plant hormones and plant reproduction. Students will conduct experiments in reproducing plants using seeds, cuttings, grafting and tissue culture. In addition to basic greenhouse management principles, the student will grow and experiment with bedding plants, vegetables, and various ornamentals. Students will also learn about designing and maintaining the home garden, complete a horticultural therapy program, take a field trip to Longwood Gardens and complete annual plant sales.

07576 Livestock Animal Management

0.5 Credits 6 periods/cycle

Students will learn basic animal science including breed identification, anatomy and function of animal systems, design of balanced rations, genetics and reproduction. Students will conduct experiments in feeding and nutrition, embryology and genetics. Students will also conduct experiments on products produced by animals such as meat, milk, eggs and wool. A section on veterinary medicine and pet care will also be provided. Dissection of an earthworm and fetal pig are included in the course experience.

07577 Pre-Veterinary Science (Only offered school years starting with an odd year)

Prerequisite: **80 % or better Biology or Honors Biology and completion of summer assignment submitted no later than the due date**

1.0 Credits 6 periods/cycle

This course will examine the practical aspects of animal science as it relates to veterinary medicine. Units of study will focus on large and small mammals. Areas included are anatomy and physiology, nutrition, disease/pathology, surgical procedures, and health management. Use of our animal laboratory will provide students with many hands-on activities. Projects may include, but are not limited to dissections, injections, suturing, and first aid practices. Multiple dissections will take place for this course including both mammalian organs and fetal animal(s) when available. A field trip to a biomedical facility or veterinary facility may be part of this

course. The major forms of assessment within the course will be projects and labs. However traditional examinations will also be administered regularly.

07601 FFA Projects

0.5 Credits

This class will meet during every 4th enrichment period or 25% of the enrichment periods every two cycles. Students will be required to complete a Supervised Agricultural Experience (SAE) project as outlined on the PA FFA website. They may select from the following project categories - entrepreneurship, research project, work experience or environmental improvement project. If a student wants to raise an animal, it is part of the entrepreneurship choice. Students must complete the project book for their area provided on the FFA website. Students will also select at least one FFA contest area to prepare for and compete in at the local or state level. This class may be taken multiple years and qualifies a student for all FFA activities.

ART

The courses listed in this section are part of the Eastern York Art Program and are open to all students.

07702 Art I ***

1.0 Credits

6 periods/cycle

This is an introductory course focusing primarily on two-dimensional art. There will be a concentration on basic drawing and painting techniques, methods and materials. Special attention will be given to understanding color theory and using the Elements of Art and the Principles of Design to create successful compositions. Studio instruction will be supported by the study of art history and art criticism.

07712 Art II ***

Prerequisite: **Art I**

1.0 Credits

6 periods/cycle

This course will build upon the drawing and painting skills explored in Art I by providing advanced instruction in the development of original compositions. Assignments and problems are structured to allow for students to master a full range of media and techniques in drawing and painting while communicating an original point of view. Studio instruction will be supported by the study of art history and art criticism.

07723 Art III***

Prerequisite: **Art I & Art II**

1.0 Credits

6 periods/cycle

This studio course challenges upper level art students in complexity and sophistication of assignments. Students will use critical analysis to inform their own work, as well as their peers. Students will also explore the use of combining mediums, concepts, and techniques while establishing an artistic style of their own.

07724 Art IV***

Prerequisite: **Art I, Art II, & Art III**

1.0 Credits 6 periods/cycle

Art IV allows students to pursue and investigate a more individualized direction with their artistic style. Problem solving and idea development will be a focus. Students will demonstrate how to properly present art by preparing and exhibiting a collection of their own strongest works in an individual hallway showcase. Portfolio building will be integrated into instruction for students planning to pursue Art or Graphic Design post-graduation.

07728 3-Dimensional Design ***

1.0 Credits 6 periods/cycle

This course focuses primarily on three-dimensional design, while providing students the opportunity to explore and use a wider range of materials and techniques. Three-dimensional media includes various types of clay, plaster, wire, fabric, as well as found and non-conventional materials. Applied arts are also investigated, allowing students to create functional works of art.

BUSINESS EDUCATION & COMPUTER TECHNOLOGY

The courses listed in this section are part of the Business Education and Computer Technology Program and are open to all students, Please Note: **Some business classes also satisfy computer education graduation requirements.**

07514 Accounting I

Prerequisite: **10th, 11th & 12th Grade Students Only**

1.0 Credits 6 periods/cycle

This course presents all phases of elementary accounting principles, banking activities, payroll, accounting subsystems, special accounting systems and procedures. Practice sets of accounting records for businesses are kept to provide practical experience. This course is recommended for all business students and any academic student planning to pursue a career in business.

07524 Accounting II

Prerequisite: **At least a "C" or higher in Accounting I**

1.0 Credits 6 periods/cycle

This course is an extension of the Accounting I course which focuses on the important internal and external uses of accounting data. Special efforts are made to integrate computer applications with the basic procedures of manual accounting systems to make the course responsive to current business practices.

07580 Personal Finance

Required course to be scheduled in the 11th or 12th grade year.

1.0 Credits 6 periods/cycle

This course will focus on the student's role as a citizen, student, family member, consumer, and an active participant in the business world. Topics covered include budgeting, banking services, savings and investing, credit, renting an apartment and auto and obtaining adequate insurance.

The course is designed to positively affect a student's spending and saving habits.

07531 Entrepreneurship and Law for Business

Prerequisite: none

1.0 Credits 6 periods/cycle

This introductory course will help students learn the steps to starting a business. The students will gain an understanding of business and personal law. The first half of the course will lay a legal foundation which includes, Criminal, Civil, Contract, Consumer law, and Cyber Law. The second half of the course will deal with Entrepreneurial Traits, and developing a product or business idea. Students will do market research, market analysis, financing, managing, company description, and types of business ownership. Students will build an executive summary Business Plan covering each of the previous concepts.

07525 Digital Desktop Publishing (For Computer Credit)

1.0 Credits 6 periods/cycle

In this computer elective course, students will learn the art of combining text and graphics as they communicate an effective message in the design process. Desktop Publishing is designed to use the PC and specialized software to create effective documents such as newsletters, brochures, pamphlets, posters, and signs. This class incorporates the Adobe CS6 Suite software including Photoshop, Illustrator, and Indesign.

07544 Microsoft Office (For Computer Credit)

1.0 Credits 6 periods/cycle

Students in this course will learn the features of the following programs: WORD, EXCEL, and POWERPOINT. This course will address such topics as: formatting pages, adding graphics, in WORD; working with formulas and functions, managing workbooks, creating Charts in EXCEL and customizing presentations, working with embedded and linked objects and using slide show features in POWERPOINT. Students will be able to integrate items within Word, PowerPoint and Excel. Students will also be able to complete documents and work with similar types of applications within Google Docs.

07527 IT Fundamentals Pro (For Computer Credit)

Prerequisites: None

1.0 Credits 6 periods/cycle

Provides the opportunity for students to explore information Technology and Computer Science topics. This course is vital for all students to have this fundamental knowledge regardless of their future profession. The core topics include IT Concepts and Terminology, Infrastructure, Applications and Software, Software Development, Database Fundamentals, and Security.

07545 School-to-Career

Prerequisite: **Seniors only**

1.0 Credits 6 periods/cycle

This course is for Seniors who are interested in participating in a career-related work experience. The opportunities available are: Teacher Volunteer Internships, Diversified Occupations Capstone Program and the Advanced Skills Center "High School Intern Program".

07546 School-to-Career Laboratory

Prerequisite: **School-to-Career**

1.0 Credits 6 periods/cycle

Use this course number and title when you are selecting the 2nd hour of the following programs: the Internship Program, the Diversified Occupations Program and the Capstone Program.

07547 Your Employability Skills (Y.E.S.) Program

Prerequisite: **11th and 12th Grade students only**

1.0 Credits 6 periods/cycle

This course is designed to teach employability skills necessary to gain and keep employment in all career areas. Topics covered include communications, teamwork, technology, safety and health and personal development. This is the same program, offered to adults throughout York County to enable them to meet the employment requirements for some of the county's major employers. Upon successful completion of this course, students will receive the York Employability Skills Certificate, which is well recognized and highly regarded throughout the local business and industry community.

07537 Programming (For Computer Credit)

1.0 Credits 6 periods/cycle

Students will learn how to design, develop, test and run a variety of interesting programs. Topics covered include data types, control structures, algorithm development and program design. Students will learn how to program in the Python language.

07523 Digital Media & Networking I

Prerequisites: **None**

1.0 Credits 6 periods/cycle

In this course, students will learn about different elements of computer operation from software applications and computer systems to basic hardware, operations, and input/output. A hands on opportunity to problem solve and repair current chromebook errors will be given to participants. Additionally students will get an overview of computer design, function, and basic operations. Students will learn and apply various career skills associated with computer technology. An introduction into career opportunities in the Information Technology field will be provided.

07526 Digital Media & Networking II

Prerequisites: **Digital Media & Networking I**

1.0 Credits 6 periods/cycle

In this course, students will deepen their understanding of computer systems by identifying computer errors and analyzing potential concerns. Students will develop an understanding of the responsible use of digital media and its purpose for communication. Students will examine some tools used to create digital media and discuss best practices in the creation of digital media. This includes an overview of the process used to create new media pieces as well as the basic concepts of project management.

ENGLISH

The courses listed in this section are part of the Eastern York English Department Program and are open to all students. **Graduation Requirement: Students must successfully complete a minimum of four (4) credits in English.**

Specific required curriculum units produce students who are good communicators and critical thinkers. Additional enrichment units will be available through teacher-student selections.

Courses are divided into three levels in all grades with Academic and Honors/Advanced Placement classes offering increasingly more intensive study of the material included in the course.

Students who do not score advanced or proficient on the 8th grade English Language Arts Assessments will be placed in Language Arts Strategies in the first semester of their 9th grade year. These students will then take English I in the second semester of grade 9.

The normal progression of courses will be English I in grade 9, Literature II in grade 10, English III in grade 11, and English IV in grade 12.

07097 English I, Honors

Recommendation: A minimum of a 90% average in English Language Arts 8 or an 80% average in Accelerated English Language Arts 8. An application must also be successfully completed.

1.0 Credits 6 periods/cycle

The purpose of this course is to prepare students for the Honors Literature II, AP English III courses, and the AP English IV courses. The course concentrates on a variety of literary genres including mythology, drama, and novel, with reliance upon discussion, writing, analysis, vocabulary, and critical thinking. Speeches and book reports will be a part of this course. Students will also prepare for the Keystone exam in literature. A book study/biography (with an introduction to proper research paper style) is a requirement of this course. **Students must successfully complete all requirements of a summer reading assignment.**

07098 English I, Academic

Recommendation: Successful completion of ELA 8

1.0 Credits 6 periods/cycle

The study of literature is the main component of this course in addition to work in vocabulary, grammar, and composition. Students will also prepare for the Keystone exam in literature. Selected readings from various works of literature will be supplemented by individual readings in fiction and non-fiction. Independent reading is required for this class as well as class participation and oral presentations.

07099 Language Arts Strategies I

Prerequisite: None

1 elective credit 6 periods/cycle

Students who do not score advanced or proficient on the 8th-grade English Language Arts Assessment will be placed in Language Arts Strategies in the 1st semester of their 9th grade year. Upon successful completion (grade “D” or above) of the Language Arts Strategies course, these

students will then take English I. (If a student successfully completes Language Arts Strategies in the 1st semester, he/she will take English I in the 2nd semester of 9th grade). If a student fails Language Arts Strategies in the 1st semester of grade 9, he/she will repeat this course in the fall semester of the following academic year, before being permitted to take the English I course.

07000 Literature II, Honors

Recommendation: A minimum of a 90% average in Academic English I or an 80% average in Honors English I.

1.0 Credits 6 periods/cycle

The purpose of this course is to prepare students for the Advanced Placement English III and IV courses. The course concentrates on a variety of literary genres, including the Bible, legend, poetry, short story, novel and drama, with reliance upon discussion, writing, analysis, vocabulary, and critical thinking. Speeches and a research paper on a literary topic are required. Students will also prepare for the Keystone exams in literature. **Students must successfully complete all requirements of a summer reading assignment.**

07001 Literature II, Academic

Recommendation: A “C” average in Academic English I or teacher recommendation

1.0 Credits 6 periods/cycle

Composition work will emphasize the development of writing skills, as well as research as part of developing a persuasive essay. The literature program will include the study of the short story, novel, drama, essay, and poetry, as students continue to prepare for the Keystone exam in literature.

07002 Literature II

Recommendation: Successful completion of English I

1.0 Credits 6 periods/cycle

The course focuses on effective strategies in preparation for the Keystone literature exam. A survey is made of the basic types of literature: short story, novel, drama, essay, and poetry. Composition work will emphasize continued development of writing skills, as well as research as part of developing a persuasive essay.

07013 Advanced Placement (AP) English III

Prerequisite: A minimum of a 90% average in Academic Literature II or an 80% average in Honors Literature II

1.0 Credits 6 periods/cycle

This class will follow the Advanced Placement (AP) English Language and Composition Curriculum Guide. Course objectives include preparing for the College Board AP English Language and Composition Examination for possible college credit and improving students’ skills in critical reading and composition at the college level. This course will focus on rhetorical analysis and argumentation using a variety of sources, with an emphasis on non-fiction texts. This course is intended to prepare students for AP English IV, as well as for college-level English courses. **Students must also successfully complete all requirements of a summer reading assignment.**

literature selections is provided, such as the novel, poetry, drama and short story.

07037 Keystone Standards English IV

Recommendation: None

1.0 Credits 6 periods/cycle

All students who did not achieve a score of proficient or advanced on the Keystone Literature Assessment will be placed in Keystone Standards Literature in their 12th grade year. Students will be required to demonstrate proficiency on each PA Core Standard for Literature through a highly structured and specific framework. All students placed in this course must receive a passing grade in order to graduate/earn an Eastern York diploma.

07030 Ethics and Responsibilities of Journalism (*Not for computer credit)

Recommendation: At least a “B” in the student’s previous English course

1.0 Credits 6 periods/cycle

In this course, emphasis will be placed on both the rights and responsibilities of a journalist in modern American society. In addition, students will examine, evaluate, practice and apply the skills of news, sports, editorial and feature writing; interviewing and researching; proof and copy editing. The independent assignments and deadline criteria require student initiative and organizational skills.

07081 SAT Preparation: Reading and Writing

Prerequisite: Junior status

0.5 Credits 6 40-minute periods/cycle

This elective course is designed to provide students with the skills needed to succeed in the PSAT and SAT exams. This course is designed for students who are college-bound and who have a genuine interest in performing well on the SAT. The course will involve test preparation and test taking strategies, and will cover critical reading and writing skills. This course has been implemented specifically for juniors. In the areas of critical reading and writing, students on average have increased their pre-to post-test scores by 100 points when applying the strategies presented.

07035 Speech and Creative Writing ***

Recommendation: At least a “B” in the student’s previous English course

1.0 Credits 6 periods/cycle

The first part of the class will concentrate on improving speaking skills. The second part of the class will develop creative writing skills in composing fiction such as poems, short stories, narratives, etc. Participation in class activities and oral presentations is required. Students will receive two to three assignments per week.

FAMILY AND CONSUMER SCIENCE

The courses listed in this section are part of the Family and Consumer Science Program and are open to all students.

07625 Child Care

1.0 Credits 6 periods/cycle

This course will give students the opportunity to work directly with Eastern York School District residents' pre-school children through a "hands-on" teaching experience. Students are responsible for planning daily learning center activities, circle time activities, story time and nutritious and creative snacks. Students will display knowledge by writing observation summaries and reading and summarizing articles pertaining to preschool children. The social, mental, physical and intellectual development of preschool children is emphasized. **Note: The dress code is strongly enforced in this course.**

07630 Healthy Eating on a Budget

Prerequisite: None 6 periods/cycle

1.0 Credits

This course is an introduction to the basic principles of nutrition, wellness and food preparation. The focus of the course is centered on healthy food and lifestyle choices. The general goal is to enhance student awareness in regards to personal food choices. The overall goal is to enhance student knowledge of food choices and to motivate students to actually improve their choice. Also, this course will include food management, preparation, measurements, selection, storage, and serving foods leading to more advanced skills and concepts. Students will discover the relationship of nutritious food and a healthy lifestyle. Students will apply mathematics and scientific principles while preparing a variety of foods. Mealtime etiquette is emphasized.

HEALTH AND PHYSICAL EDUCATION

The courses listed in this section are part of the Agricultural Science (Ag Science) Program and are open to all students. **Graduation requirement: Students must successfully complete 1.0 credit of health and 1.0 credits of physical education.**

Physical Education (Male and Female)

Prerequisite: None

1.0 credit 6 periods/cycle

Physical education develops the physically literate individual through deliberate practice of well-designed learning tasks that allow for skill acquisition in an instructional climate focused on mastery. During physical education class, students practice the knowledge and skills they have learned through physical activity, which is defined as any bodily movement that results in energy expenditure. As a result, a physically literate student will demonstrate the ability to move with competence and confidence in a wide variety of physical activities in multiple environments that benefit the healthy development of the whole person.

Students in grades 9-12 who participate in a PIAA varsity sport, marching band or cheerleading can have their co-curricular participation count for the required Physical Education requirement(s). Students utilizing this option agree to the following conditions:

Confirmation of the completion of any PIAA sport will be affirmed by the Eastern York High School Athletic Director and/or Eastern York High School Marching Band Director. Students who successfully complete this activity will earn a “Pass” and will be awarded 0.5 credits of Physical Education. This credit will not be included in grade point average or rank, (neither weighted or unweighted). Pass credit will be added to students transcript at the end of each semester. Only two seasons (1 total credit) will be added to the student's transcript. Students who have not taken Physical Education or participated in 2 seasons of approved co-curriculars by the end of their junior year will have Physical Education added to their senior schedule by the Counseling Office.

Health

1.0 credit

6 periods/cycle

The goal of health education is to provide students with the knowledge and skills needed to lead healthy lifestyles. Health-literate people are able to address their own health needs along with the needs of others. They are able to obtain and apply knowledge and skills to enhance their own health and the health of others — both now and in the future as their needs change throughout their lives. As a result, a health literate student will demonstrate the ability to access, understand, appraise, apply and advocate for health information and services in order to maintain or enhance one's own health and the health of others.

07825 High Performance fitness training

Prerequisite: None, if taken in 10th or 11th grades

1.0 Credits

6 periods/cycle

Students will learn advanced methods of physical conditioning which will enhance their cardiovascular, muscular strength and endurance. High intensity training tailored for the athletic and motivated student looking to be pushed to the next level. Students will be expected to participate in speed training, strength training, agility training, cardio-respiratory training, and other activities that promote fitness. Proper nutrition and building a fitness program using a nutrient dense diet will be utilized. Students will also participate in a variety of individual fitness activities and team sports learning advanced skills and strategies.

MATHEMATICS

The courses listed in this section are part of the Mathematics Program and are open to all students. **Graduation Requirement for incoming Freshmen: Students must successfully complete four (4) credits in mathematics.**

Students must complete 4 credits in math to graduate and the 4 credits must be in a sequence of courses. With the new state requirement of the Keystone exams all students will complete at minimum Algebra I and Geometry. Algebra II is highly recommended for students wishing to enter a post-secondary education. Students entering 9th grade will elect one of the following levels of courses: taken sequentially in consecutive semesters.

Algebra I A&B must be taken sequentially in consecutive semesters. Geometry A&B need to be

Geometry

1.0 Credits 6 periods/cycle

This course includes the study of the following: complex numbers, order of operations using complex numbers, exponents, roots or absolute values to solve problems, polynomials, nonlinear equations, change of rates, patterns and relations, exponential and logarithmic functions, families of functions, data analysis, and practical probability.

07310 Accelerated Algebra II

Prerequisite: Keystone Algebra I or Algebra I A & B and Geometry A & B or Accelerated Geometry

1.0 Credits 6 periods/cycle

Note: For success in this course, it is suggested that the student have at least a “B+” in Algebra I B or Keystone Algebra I, or teacher recommendation.

This course includes the study of the following: complex numbers, order of operations using complex numbers, exponents, roots or absolute values to solve problems, polynomials, nonlinear equations, change of rates, patterns and relations, exponential and logarithmic functions, families of functions, data analysis, and practical probability.

07311 Algebra III/Trigonometry

Prerequisite: Algebra II and Geometry B with grades of “C” or better.

1.0 Credits 6 periods/Cycle

Note: It is suggested that students own a TI30XS Multiview calculator.

This course is an extension of Algebra II [7302]. Topics include a study of the basic concepts of algebra, graphics and functions, inequalities and functions of inequalities, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, trigonometric identities, and applications of trigonometry.

07319 Math Analysis

Recommended: Accelerated Algebra II, Algebra III/Trigonometry, Teacher Recommendation For success: It is requested that the student have at least a “B” in Accelerated Algebra II.

1.0 Credits 6 periods/Cycle

This course is a bridge between Accelerated Algebra II and Precalculus. It offers a continuation of topics introduced in Accelerated Algebra II along with trigonometry to prepare students for college and Precalculus. Topics include linear relations and functions, theory of equations, conics, combinations and permutations, exponential functions, logarithms and conics. The trigonometric concepts include the unit circle, coterminal angles, the six trig functions and their graphs, proof with sum/difference, half angle and double angle identities, trig identities, trig inverses and application problems.

07321 Pre-Calculus

Recommended: Math Analysis or Teacher Recommendation

1.0 Credits 6 periods/cycle

Note: For success in this course it is requested that the student have at least an 80% in

Prerequisite: **Intermediate Piano, students must receive at least an 85% in Intermediate or Teacher recommendation.**

1.0 Credits 6 periods/cycle

Using previous knowledge from intermediate piano, students will continue to perform on the piano with expression and technical accuracy by playing a varied repertoire of music with a higher level of difficulty. Additionally we will explore the most important historical music eras through course study, practice, and aural skills.

07742 Music Technology ***

1.0 Credits 6 periods/cycle

This course is an elective designed for students interested in exploring musical concepts and creating music through the use of software and hardware. Topics covered include: electronic music, music notation, digital audio, music sequencing, and recording.

07734 Introduction to Guitar***

1.0 Credits 6 periods/cycle

The course is an elective for students interested in exploring the basic musical and cultural elements of Western Popular music. Students will learn about various genres such as Classical, Blues, Jazz, and Rock & Roll thru the use of the electric guitar lab.

MUSIC PERFORMING ENSEMBLES

07731 High School Chorus***

Prerequisite: **Students must have been enrolled in Middle School Chorus and/or be recommended by the Teacher.**

0.5 Credits for full year 3 periods/cycle

This vocal performance course is designed to guide the student in discrimination and appreciation of music and to acquire some understanding of musical notation.

07735 Concert Choir***

Prerequisite: Audition

1.0 Credits for full year 6 periods/cycle

Concert Choir is offered to students from High School Chorus who will be selected according to their ability. Entry is gained through audition.

07730 Jazz Band***

Prerequisite: **Previous instrumental music study or willingness to study privately.**

0.5 Credits for full year 3 periods/cycle

This course is similar in scope to the Concert Band course, but emphasizes the jazz genre. Jazz Band is open to students from Concert Band according to the instrumentation needs of the ensemble. Entry is gained through audition.

SCIENCE DEPARTMENT

The courses listed in this section are part of the Science Program and are open to all students.

Graduation Requirement: Students must successfully complete four (4) science credits to graduate.

All 9th-grade students will be required to pass the General Science A/B course. Upon completion of this requirement, the student may select the Accelerated, Academic or the General Track and follow through with the required core courses sequentially. Should a student choose the Accelerated or Academic Track, he/she must complete the four (4) core courses to graduate. Should a student select the General Track, he/she must complete three (3) core courses and one (1) science elective to graduate.

<i>Accelerated</i>	<i>Academic</i>	<i>General</i>
General Science A/B	General Science A/B	General Science A/B
Honors Biology	Honors Biology	Biology
Honors Chemistry	Academic Chemistry	General Physical Science
AP Physics I AP Biology Anatomy & Physiology	Academic Physics	Science electives that qualify for a science credit: *Animal Behavior, Health & Nutrition *Ecology/Marine Biology *Horticulture/Aquaponics/Greenhouse Management *Landscape Design and Soil Science *Pre-Veterinary Science *Biology Explorations AP Physics II AP Chemistry AP Biology Anatomy & Physiology

Notes:

- **The science electives are open to all students; check the complete listing under the Ag Science Department and Science Department.**
- **Students with a strong interest in science are encouraged to take science electives in addition to their core science courses.**

07296 General Science A

0.5 Credits 6 periods/cycle

This is a course in which students will explore 9 weeks of Agricultural Science. The course includes many biological principles geared towards students for the Biology Keystone Exam, biology courses and science elective courses. Laboratory safety, genetics, soil, plant, animal and

following: Cytology, Genetics, Histology, Skeletal system, Muscular system, Circulatory system, Digestive system and the Nervous system.

07226 Academic Physics

Recommended: **Academic Chemistry, 85% or better in Algebra II or with teacher recommendation.**

1.0 Credits 6 periods/cycle

This course provides exposure to the fundamental principles and processes of the physical world both conceptually and mathematically using Algebraic concepts. Topics include; scientific thinking, Newtonian mechanics (motion), work, energy, power, mechanical, waves and sound. Upon completion students should be able to describe and implement examples and applications of the principles studied. Laboratory experiments and computer-based exercises will enhance and consolidate the understanding of basic physical principles and their applications.

07222 AP Physics 1

Prerequisites: **85% or better in Honors or Academic Chemistry or teacher approval.**

Required is completion of the summer assignment by the due date.

1.0 Credits 6 periods/cycle

This accelerated course is equivalent to a first semester college course in algebra-based physics and offers an advanced mathematical approach to fundamental topics in Physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, mechanical waves and sound. It will also introduce electric circuits. These topics will be discovered and developed through various laboratory activities. This course is designed for students with a strong interest in pursuing careers in science, engineering or mathematics based fields. In addition, this course will prepare students to take the AP Physics 1 Exam in May.

07225 AP Physics 2

Prerequisites: **AP Physics 1**

1.0 Credits 6 periods/cycle

This course is equivalent to a second semester college course in algebra based physics and offers and advanced mathematical approach to fundamental topics in Physics. The course covers fluid mechanics, thermodynamics, electricity, magnetism, optics, atomic and nuclear physics. These topics will be developed through various laboratory activities computer simulations and will include and independent research project. This course provides a foundation in Physics for students in the sciences, engineering and other applied mathematics based fields. In addition, this course will prepare students to take the AP Physics 2 Exam in May.

SOCIAL STUDIES DEPARTMENT

The courses listed in this section are part of the Social Studies Program and are open to all students. **Graduation Requirement: Students must successfully complete a minimum of four (4) credits in Social Studies.**

Classes are divided into three levels in grades 10, 11 and 12 with more challenging classes called “Academic”. The most challenging courses are termed Advanced Placement (AP) and approved by the College Board.

Century themes are explored. Students will take six common assessments throughout the course.

07124 Advanced Placement (AP) U. S. Government and Politics

Prerequisite: **Academic U.S. I and II or AP U.S. History or recommendation from a previous teacher. This course will replace the 11th grade mandatory Government and Economics course.**

1.0 Credits 6 periods/cycle

Advanced Placement (AP) Government is a course for talented students who will focus on the constitutional basis of U.S. government and the duties of all Americans. Students will research and study political beliefs and behaviors, political parties, interest groups, and mass media as they relate to the way we govern ourselves. Course objectives include preparation for the College Board Advanced Placement Examination for possible credit, appreciation and better understanding of politics and political behavior, and improvement of critical thinking and analysis.

07117 Academic American Government

Prerequisite: **Academic U.S. History I and II or Honors U. S. History II**

1.0 Credits 6 periods/cycle

Academic Government provides students with the sense of their place as young, responsible Americans. The institutions responsible for making and enforcing policies and laws of the nation are examined. This portion of the course concludes by comparing different governments of the world. It is an academically demanding course. Economics will be interwoven into the course, providing students with a good knowledge base of the monetary exchange in the US. Students will take six common assessments throughout the course.

07113 American Government

Prerequisite: **U.S. History I and II**

1.0 Credits 6 periods/cycle

The quality of our lives depends upon the quality of our government and individual economic decisions. In order for students to make rational, informed choices, the decision making process will be examined and practiced. Examples of this will include voting, volunteering, input into local and state government, check writing, credit card use, budgeting, banking, taxes, and becoming involved in any other pertinent activities. Economics will be interwoven into the course, providing students with a good knowledge base of the monetary exchange in the US. Students will take six common assessments throughout the course.

07191 AP World History: Modern

Prerequisite: **Successful completion of Academic U.S. I, Academic US II or AP U.S. History, Academic Government/Economics or AP Government/Economics and /or a recommendation from a Social Studies teacher.**

1.0 Credits 6 periods/cycle

The AP World History course will be offered as a higher level to the required World History course. The AP World History course will fulfill one of the required four Social Studies credits needed for graduation. Students will study world history c. 1200 to the present era and will be asked to analyze and examine patterns and change over time throughout the world. Intense study and research will be conducted on the histories of Asia, Africa, and South America.

In this class you will learn how to design everything from toys to tools to car parts. You will use state of the art software and hardware to design and build objects. Imagine designing a toy car or an action figure and then printing it on a 3D printer. If you like to be creative and learn how things are made, you will enjoy this course. Students will pay for materials and projects.

07611 Architectural Drawing and Design* For computer credit**

1.0 Credits 6 periods/cycle

Put your imagination to work and learn what it takes to be an architect, interior designer or engineer. If you plan on owning a home one-day, this course is also for you! Draw your dream home and build a 3-dimensional model to showcase your talents. Come prepared to have fun and pick up skills that will last a lifetime. Students will pay for materials and projects.

07612 Engineering Drawing and Design***

Prerequisite: **Technical Drawing and Design**

1.0 Credits 6 periods/cycle

Expand your basic drawing and design skills in this advanced class. Learn to draw machine parts like cams, gears and threads. Design, draw and build a model crane to lift a heavy load. Use geometry skills to design and construct a package for a fragile object. Make pictorial assembly drawings and write instructions for assembling a toy. Unleash your inner engineer and see how your imagination can be used!

07619 Advanced Architectural Design***

Prerequisite: **Architectural Drawing and Design**

1.0 Credits 6 periods/cycle

In this course, you will expand upon the skills you gained in the first level class. You'll learn how to design multi-story houses, design heating and cooling systems, use 3-dimensional CAD software, and gain first-hand knowledge about careers related to architecture and engineering. Activities will include designing a two-story dream home and building a structural model of your design. Come prepared to have a great time and learn a lot in the process! Students will pay for materials and projects.

07614 Energy, Power and Control ***

Prerequisite: None

1.0 Credits 6 periods/cycle

Develop and expand your knowledge of electricity, electronics, alternative energy, robotics, power transmission and fluid power systems. This course uses hands-on projects, problem solving and technological discovery to explore principles which are relevant in today's technical society. Lego Systems, student designed projects and custom built robots encourage exploration and study of scientific principles. Students will pay for materials and projects.

07618 Transportation Systems ***

1.0 Credits 6 periods/cycle

Transportation Systems involves the study and exploration of the movement of people and materials. Air, space, land and water transportation will be studied. Rocketry, aircraft, boats, cars and remote controlled vehicles will be studied, constructed and tested. Propulsion, steering, control and suspension will all be examined in hands-on, practical activities. Alternative fuel vehicles will also be examined for efficiency and possibilities for the future. Students will pay for materials and projects.

07606 Wood Manufacturing I***

1.0 Credits 6 periods/cycle

This course in manufacturing emphasizes safe and efficient tool and machinery use in order to manipulate materials. Students will follow an order of operations, which will emphasize proper procedures and assembly methods. Students will be required to construct a variety of projects that will allow them to gain all basic woodworking skills. Each student will learn to measure accurately, read plans, calculate shop bills, and be competent on all major tools and equipment within the woodworking lab. Students are responsible for paying for all materials used in the construction of five assigned projects which are as follows: cutting board, picture frame, jewelry box, collapsible table, and an approved project of choice.

07616 Wood Manufacturing II***

Prerequisite: **Wood Manufacturing I**

1.0 Credits 6 periods/cycle

This course in the manufacturing emphasizes safe and efficient tool and machinery use in order to manipulate materials. Beyond Wood I, we will discuss and implement advanced joinery, design processes, advanced machinery processes, and alternative manipulation techniques. There will be review of machine operation and safety, materials calculation, and measurements. Student learning will be based on personally designed, created, tested, and produced projects. *Students will be responsible for paying for all materials used in the manufacturing of self-selected projects.

07604 Engineering Technology***

Prerequisite: **One (1) Technology Education Elective**

1.0 Credits 6 periods/cycle

Engineering Technology is a laboratory based Technology Education course, which focuses on the theory, processes, methodology and impacts of engineering on society. The areas of chemical engineering, mechanical engineering, biotechnology, civil engineering and electrical engineering will be studied within a framework of hands on problem solving, exploration and historical perspectives. Students will work both in groups and individually in the solution and completion of problems. Student will not take their projects home. *Students will pay for materials.

07607 Metal Manufacturing I***

1.0 Credits 6 periods/cycle

This technology education course is a course designed to provide technical as well as practical (hands-on) experiences in the metalworking field. Students will design and build their own projects while exploring the following processes: metal casting, forging, welding, machining,

and some sheet metal applications. *Students will pay for materials.

07617 Metal Manufacturing II***

Prerequisite: **Metal Manufacturing I**

1.0 Credits 6 periods/cycle

This technology education course is designed to build upon the fundamental skills and knowledge obtained in the introductory class. Major emphasis includes: an exploration into industrial metal technology processes, especially related to metal casting, forging, welding, machining, and sheet metal work. Students will also design and build their own projects. Students will pay for materials used.

07621 Art Metal & Jewelry Making***

1.0 Credits 6 periods/cycle

This technology education course will allow students to design jewelry and artistic sculptures using metal manipulating processes. This is a hands-on course. Processes will include but will not be limited to lost wax casting, jewelry making, metalsmithing, sheet metal manipulation, welding and soldering. Projects can include rings, necklaces, bracelets, yard art, lanterns and sculptures. *Students will pay for materials used.

07620 Push the Limits ***

1.0 Credits 6 periods/cycle

This course is designed to allow you to think outside the box and solve problems with the knowledge that you have. To complete a variety of challenges, you will draw from experiences from past classes, use personal experiences, and research in areas that you wish to learn more about. You will understand how we solve real world problems, build prototypes, and experiment with new designs. How often have you asked “why do I need to know that?” This is your chance to not only see firsthand how skills apply but prove that you did pay attention as well as gain mastery. Bring an open mind and willingness to build and break down what you believe. *There is a ten dollar fee to cover materials consumed.

WORLD LANGUAGES

The courses listed in this section are part of the World Languages Program and are open to all students.

07492 Spanish I***

1.0 Credits 6 periods/cycle

Spanish I is offered to students in Grades 9 to 12 who wish to pursue the study of a world language. Primary attention is directed toward the acquisition of a basic vocabulary and a working knowledge of basic Spanish grammar.

07405 Spanish II***

Prerequisite: A “C” or higher in Spanish I, or teacher recommendation

1.0 Credits 6 periods/cycle

Spanish II is offered to students who wish to continue with the skills learned in Spanish I. Spanish II places emphasis on acquiring greater skill in grammatical aspects and on reading, writing, and basic conversational fluency.

07413 Spanish III***

Prerequisite: A “C” or higher in Spanish II, or teacher recommendation

1.0 Credits 6 periods/cycle

In Spanish III, students will continue a more in-depth study of speaking, reading, and writing Spanish. In addition, the culture of the Hispanic countries will be studied.

07423 Spanish IV***

Prerequisite: A “C” or higher in Spanish III, or teacher recommendation

1.0 Credits 6 periods/cycle

Students in Spanish IV will continue to develop their skills and will study the culture of the Hispanic countries in more depth.

07494 German I***

1.0 Credits 6 periods/cycle

German I is offered to all students who wish to pursue the study of the German language and culture. This course emphasizes listening comprehension and oral expression as well as reading and writing skills.

07496 German II***

Prerequisite: A “C” or higher in German I, or teacher recommendation

1.0 Credits 6 periods/cycle

German II is offered to all students who wish to continue with skills learned in German I. German II places stronger emphasis on grammar and oral expression, with continued work with writing and composition.

07415 German III***

Prerequisite: A “C” or higher in German II, or teacher recommendation

1.0 Credits 6 periods/cycle

German III is offered to students who want to develop a thorough knowledge of German language and culture. This course explores speaking topics and situations in greater detail, and expands on speaking, listening, writing and reading skills. After its successful completion, students will be able to cope with everyday situations in an all-German speaking environment.

07424 German IV***

Prerequisite: A “C” or higher in German III, or teacher recommendation

1.0 Credits 6 periods/cycle

German IV is offered to students who want to acquire an in-depth knowledge of the German language and culture. This course expands on speaking topics and situations already presented, and explore new ones. Emphasis will be on developing and enhancing speaking, listening, writing, reading and grammar skills. After its successful completion, students will be able to function on an intermediate level in an all-German speaking environment.

NCAA Eligibility Requirements:

Student-Athletes who wish to Play Division I Sports:

If you want to compete in NCAA sports at a Division I school, you need to register with the NCAA Eligibility Center to make sure you stay on track to meet initial-eligibility standards.

If you have questions about your eligibility or the registration process, call us toll free at 1-877-262-1492. International students should call 317-917-6222.

Register with the NCAA Eligibility Center

Grade 9

Ask your counselor for a list of your high school's NCAA core courses to make sure you take the right classes.

Grade 10

Register with the NCAA Eligibility Center at eligibilitycenter.org.

Grade 11

Check with your counselor to make sure you will graduate on time with the required number of NCAA core courses. Take the ACT or SAT and submit your scores to the NCAA using code 9999.

At the end of the year, ask your counselor to upload your official transcript to the NCAA Eligibility Center.

Grade 12

Finish your last NCAA core courses. Take the ACT or SAT again, if necessary, and submit your scores to the NCAA using code 9999. Complete all academic and amateurism questions in your NCAA Eligibility Center account at eligibilitycenter.org. After you graduate, ask your counselor to submit your final official transcript with proof of graduation to the NCAA Eligibility Center.

Division I academic eligibility:

To be eligible to compete in NCAA sports during your first year at a Division I school, you must graduate high school and meet ALL the following requirements:

Complete 16 core courses:

- Four years of English
- Three years of math (Algebra 1 or higher)
- Two years of natural/physical science (including one year of lab science, if offered)
- One additional year of English, math or natural/physical science
- Two years of social science
- Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy (See your counselor)

Complete 10 core courses, including seven in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA. Earn at least a 2.3 GPA in your core courses. Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

If you have not met all the Division I academic requirements, you may not compete in your first year at

college. However, if you qualify as an academic redshirt you may practice during your first term in college and receive an athletics scholarship for the entire year.

To qualify as an academic redshirt, you must graduate high school and meet ALL the following academic requirements:

Complete 16 core courses:

- Four years of English
- Three years of math (Algebra 1 or higher)
- Two years of natural/physical science (including one year of lab science, if offered)
- One additional year of English, math or natural/physical science
- Two years of social science
- Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy (see your counselor)
- Earn at least a 2.0 GPA in your core courses.

Earn an SAT combined score or ACT sum score matching your core-course GPA on the Division I sliding scale.

If you are concerned you may not meet the Division I academic requirements, consider taking the following actions:

Ask for advice and accountability from your high school counselor. Check in with the admissions or compliance office at the college you hope to attend. Get tutoring or other study help. Graduate on time. Division I schools allow college-bound student-athletes who graduate on-time to take one core course during the year after they graduate high school. Avoid quick fixes through credit recovery programs. These courses may not be accepted by the NCAA. Keep your coursework. If the NCAA Eligibility Center needs to review your record due to irregularities, you may be asked to provide your coursework. Follow your high school's policies. The best thing to do is work within the rules.

NCAA schools require college-bound student-athletes to build a foundation of high school courses to prepare them for college coursework. Students who plan to compete in NCAA sports at Division I or II schools must pass a certain number of NCAA core courses.

For a high school class to be used in the initial-eligibility process as an NCAA-approved core course, it must meet these conditions:

1. Be an academic,
2. four-year college preparatory course receiving high school graduation credit in one or more of these areas:
 - English
 - Math (Algebra I or higher)
 - Natural/physical science
 - Social science
 - Foreign language
 - Comparative religion or philosophy
 - Be at or above your high school's regular academic level
 - Be taught by a qualified instructor

Not all high school classes are NCAA core courses. Some examples of courses that

are not NCAA core courses include:

Courses in non-core areas, fine arts or vocations such as driver education, typing, art, music, physical education or welding. Courses that prepare students for the world of work or life, or for a two-year college or technical school, such as personal finance, consumer education or tech prep. Courses taught below grade level, at a slower pace or with less rigor or depth, such as basic, essential, fundamental or foundational courses. Courses which are not academic in nature such as film appreciation, video editing or greenhouse management.

You should update your school's list of core courses every year after your school determines new course offerings. If your school determines new course offerings in January and you update your NCAA core course list right away, course decisions will be made by the NCAA Eligibility Center in time for you to schedule students for the next academic year. If you wait too long to update your list, course decisions may be made after students have scheduled or taken courses. You may update your school's list of NCAA core courses through the high school portal.

Courses submitted through the high school portal will be reviewed within 24-48 hours. Your high school's contacts will be notified by email of the status of the submitted course.

You **MUST** see your counselor with any questions related to NCAA requirements.