

PROGRAM OF STUDIES

2023 - 2024



FREEPORT AREA SENIOR HIGH SCHOOL

625 South Pike Road, Sarver, PA 16055

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www.freeport.k12.pa.us

as of 12/28/22

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as of Spring 2022

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FREEPORT AREA SCHOOL DISTRICT MISSION

“A Learning Community Dedicated to the Success of All”

Freeport Area School District Belief Statements

WE BELIEVE. . .

All individuals are accountable for their actions. All individuals can learn.

A high standard of behavior is essential to the educational climate.

Excellence in education is achievable.

Students must function as individuals and as part of a cooperative group.

All individuals are unique and have worth.

Our schools must be socially, emotionally and physically safe.

Learning is a lifelong process. Technology is essential to education.

Students should use their knowledge of the past to explain the present and anticipate the future.

Effective communication is essential.

An awareness of environmental issues is vital to our future.

Education is a responsibility shared by students, family, school, and community.

Staff development requires a constant and ongoing commitment.

Effective teachers are a critical element in the educational process.

The family is a vital part of the learning process. In respecting diversity.

The ability to anticipate and adapt to change is necessary.

That learning may be assessed in many ways.

The foundation of education is the mastery of basic learning skills, including reading, writing and math.

In creating an environment that encourages educational risk-taking.

Hard work works.

Quality education addresses social problems which affect the health and welfare of individuals.

At Freeport, we believe that great people are providing a great education for our great kids.

**FREEPORT AREA SCHOOL DISTRICT
SENIOR HIGH COURSE CATALOG
PROGRAM OF STUDIES**

2023-2024



Freeport Area Senior High School
Post Office Box H, Freeport, Pennsylvania 16229
www.freeport.k12.pa.us

NON-DISCRIMINATION POLICY FOR
FREEPORT AREA SCHOOL DISTRICT

Freeport Area School District is an equal opportunity educational institution and will not discriminate on the basis of race, color, national origin, sex, handicap or age in its activities, programs or employment practices in accordance with federal and state statutes and regulations. For information regarding civil rights or grievance procedures, contact Title IX and Section 504 Coordinator at Freeport Area School District, 621 South Pike Road, Sarver, PA 16055 (724-295- 5141) between the hours of 8:00 A.M. and 4:00 P.M. For information regarding services, activities and facilities that are accessible to and usable by handicapped persons, contact Program Director, Mr. Larry Robb (724-295-5141).

FREEPORT AREA SENIOR HIGH SCHOOL

Freeport Area Senior High School is comprehensive in scope, with a traditional secondary program designed with academic, technical, technology, and vocational curricula to meet the needs of all students. Enriched and challenging programs are provided for students planning to enter schools of higher education. The technology program is designed to equip students to enter the business, computer, or industrial technology careers or a technology school. In addition, a technical program of studies is offered to students to prepare them for career choices after graduation. Students in grades 11 and 12 can attend the Lenape Vocational-Technical School full-time.

Health services are available to all secondary students. In addition, school counseling services assist the students in making career and educational choices, with more than half the graduates continuing their schooling in baccalaureate programs.

Extracurricular activities include social organizations and interscholastic sports programs. In addition, opportunities are available for extended academic participation in extracurricular activities.

Freeport Area Senior High School is located on 95.28 acres in a rural area at 625 South Pike Road, Sarver, PA. Access is excellent, and well-developed recreational areas are available. The facility was initially constructed in 1960, with additions completed in 1967 and 1987. The school enrolls about 600-650 students in grades 9 through 12.

**All contents included within the Freeport Area
Senior High Program of Studies Guide are
subject to change.**

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INTRODUCTION

The Freeport Area School District Board of Education has adopted Programs of Study which have been developed and designed to meet the needs and objectives of the youth of our community. Using this booklet and under the guidance of the School Counselors, the FHS Course of Study process will aid each Freeport student in planning an appropriate and realistic high school program. In scheduling courses at Freeport, each student is interviewed by their school counselor and current teachers. The schedule is “tailored” to individual needs and objectives in life. Previous grades, current and past achievement test scores, aptitude, teacher comments and recommendations, and school counselor observations are reviewed before devising an individual’s schedule. Each grade level will hold a group session to explain the course offerings. Next, students will complete course selection/request forms and review them for approval. After the course elective requests form is returned, the principals will create a master schedule based on student requests and needs. The student will create individual schedules afterward. Then, the school counselor will meet with the student to determine that the requirements are met and that the schedule is adequate for the student’s future plans. Parents are urged to call to consult with school counselors if questions arise.

Thus, the preparation of each student’s schedule receives individual consideration based upon proper guidance and cooperation between the school and the home.

Students are assigned to various classes according to the type of program being followed: Academic, Technology, Technical or Vocational. Students and parents/guardians will find a detailed description of each on the following pages. Grouping in various classes is based on individual programs, future plans, prior achievement, aptitude, and teacher recommendations.

Parents and guardians are urged to consider their student’s schedules and are invited to consult with the school counselors or the high school principals regarding any aspect of the school program.

A MESSAGE TO STUDENTS AND PARENTS

This Program of Study Booklet intends to provide helpful guidance to students, parents, and teachers. In this booklet, the administration and the school counseling department attempt to present as clear a picture as possible of the various curricula and course offerings available to our students. Various subjects are offered to aid the students in arriving at a schedule that will fit their individual needs and fulfill their educational programs. The decision for a student’s high school program is an essential one. The competition for college entrance, job placement, and the need for better preparation has made it more critical than ever to plan wisely in close cooperation with parents and schools. So that your child may arrive at the wisest possible choice of courses, it is strongly recommended that the decision be a joint effort among parents, students, teachers, and school counselors.

For the course selection process to be effective, parents are encouraged to familiarize themselves with the contents of this booklet. The school counselors can answer any questions regarding courses and course selection. Students and parents are welcome to consult with them as well as other members of the school staff to obtain the maximum benefit from our available services.

GRADUATION AND PROMOTION REQUIREMENTS

GRADUATION STANDARDS

Freeport Area School District requires that each candidate for graduation shall have earned the total number and type of credits as shown below by the year of the graduation class. The requirements for courses and credits reflect District and Commonwealth of Pennsylvania requirements as defined in the Chapter IV regulations. Each candidate for graduation shall earn a minimum of 23 credits, and these 23 credits must meet the following requirements:

SUBJECT	FASD REQUIREMENTS	STATE REQUIREMENTS
English	4.0 credits	4.0 credits
Social Studies	4.0 credits	3.0 credits
Mathematics	4.0 credits	3.0 credits
Science	3.0 credits	3.0 credits
Arts & Humanities	2.0 credits	2.0 credits
Physical Education	1.0 credit	0.5 credit
Health	0.5 credit	0.5 credit
Rotation: Careers, Intro to Entrepreneurship, Technology & Engineering, and Introduction to Robotics	1.0 credit	
Technology/Computer Course(s)	1.0 credit	
Public Speaking	0.5 credit	
Electives	2.0 credits	
Total Credits	23 credits	21 credits

JOB SHADOWING REQUIREMENT – GRADE 11

A **job shadow** gives a student a meaningful introduction to the world of work and provides a context for understanding the connection between school and careers. Specifically, a job shadow helps a student accomplish the following: begin to identify career interests, observe the daily routine of adult workers, gain awareness of the academic, technical, and personal skills required by particular jobs, develop and apply communications skills by interacting with and interviewing workers, realize that different work cultures and working environments characterize different jobs, and begin to understand the connection between school, work, and achieving goals. **All students must complete at least one shadowing experience during their junior year.**

NCAA FRESHMAN ELIGIBILITY STANDARDS

Students who plan to participate in Division I, II, or III college athletics are responsible for arranging their academic studies per the NCAA (National Collegiate Athletic Association) standards posted on the NCAA website <http://www.ncaa.org/student-athletes/future>.

GRADING SYSTEM

SENIOR HIGH GRADING SCALE

In all courses (except pass/fail courses) the following grading scale will be employed:

91–100 = A; 81–90 = B; 70–80 = C; 60–69 = D; 0–59 = F. Faculty and administration will use this scale to evaluate student work and calculate marking period grades. While a standardized grading scale may not substantially change the actual range of student achievement, it will eliminate the student's confusion regarding disparities in performance/evaluation standards from teacher to teacher and class to class.

SEMESTER AND FINAL GRADE CALCULATION

In all courses (except pass/fail courses), faculty and administration will use this system to determine both semester and final grades. The semester grade will be an average of the grades earned in the semester's two marking periods. When determining an average, the letter grade it represents will be recorded as the semester grade. The final grade will be an average of the two marking period percentage grades in semester courses or the average of the four marking period percentage grades in year courses.

IMPORTANT FACTORS

- In all-year courses, students must make an honest effort to achieve and to complete all requirements of the course to pass.
- In the calculation of final grades, semester grades will not be considered.
- In the calculation of final grades (both semester and year courses), the lowest percentage value or a marking period failing grade will be 50-percent.
- Teachers and administrators have an option to override the student's final percentage (grade) in special circumstances.

FOURTH NINE-WEEKS

The 50-percent marking value will be waived for the 4th nine-week period. If a student discontinues regular work habits, the student will then receive the actual percentage earned. The percentage will culminate in the daily grades during the 4th nine weeks. The teacher must notify the student, the parent, and the administrator of their intentions to give less than 50% before the midpoint of the last nine weeks.

CALCULATING GRADE POINT AVERAGE (G.P.A.)

LEVEL 1 COURSES	LEVEL 2 COURSES <u>HONORS</u>	LEVEL 3 COURSES <u>ADVANCED</u> <u>PLACEMENT</u>
A, 4.0	<i>Add-on factor 0.060</i>	<i>Add-on factor 0.120</i>
B, 3.0		
C, 2.0		
D, 1.0		
F, 0.0		

Example provided to calculate final GPA:

Course	Grade	Grade Points	Course Length (Credit Total)	Total Grade Points	Add-on Factor for Level 2 or 3 Courses
English	A	4.0 x	1.0	4.00	
AP History	A	4.0 x	1.0	4.00	0.120
Honors Trig.	B	3.0 x	1.0	3.00	0.060
French	B	3.0 x	1.0	3.00	
Sociology	C	2.0 x	0.5	1.00	
Physics	A	4.0 x	1.0	4.00	
Psychology	A	4.0 x	.50	2.00	
			6.0	21.00	
			<i>21.00 / 6.0 =</i>	<i>3.500</i>	
			<i>Plus Add-on +</i>	<i>0.180</i>	
			Final GPA	3.680	

SCHOOL COUNSELING DEPARTMENT

Freeport Area Senior High School Counselors

Mrs. Nina Fulton (Students with last names beginning A through K)

Mr. Edward Hanna (Students with last names beginning L through Z)

Mrs. Jennie Youell, Licensed Professional Counselor

Each student at Freeport Area Senior High School is assigned to a school counselor who provides information and counseling services in academic, career, social, and personal areas. These services are provided through individual interviews, small group counseling, large group meetings, testing, and parent/teacher conferences. In addition, parents of all students are also encouraged to meet with the school counselors concerning achievement, program planning, or any concerns that might arise. Parents/Guardians/Students may obtain additional information by calling the School Counseling Office (724-295-5143 ext. 1248) for an appointment, visiting our Counseling Department Webpage and following us on Twitter @fahsguidance

MULTI-TIERED STUDENT SUPPORT SYSTEM (MTSS)

The purpose of the Multi-Tiered System of Supports Team (MTSS) is to identify and develop specifically designed plans for students who are struggling academically due to lack of organizational skills, poor study habits, or who are having difficulties in specific academic areas. Plans will also be developed if students are struggling socially and/or emotionally. If a referral is made to the MTSS team, they will then review grades and send out teacher report forms to all of the teachers on the student's schedule. After analyzing the information, the team will then determine if there is a need for a MTSS plan and/or provide additional support. If it is determined that a student qualifies for an action plan, the team will contact the parent(s) or guardians(s) of the student and work together to create a plan that is specifically designed to meet the student's needs in the area of assignment completion and/or organizational skills.

FREEPORT AREA CARE TEAM (STUDENT ASSISTANCE PROGRAM)

The Freeport Area Care Team (FACT) at Freeport Area School District is available in every building and is designed to provide various support services to meet students' social, emotional, behavioral, and academic needs. The goals of the FACT program are to facilitate collaboration between home and school and provide interventions to help students overcome barriers to learning. The program is voluntary and parents/guardians are notified and provided with approval forms that must be submitted prior to a student's participation in the program. Types of Possible Interventions: Parent Meetings, Tutoring, Adult/Teacher Mentoring, Small Group Counseling, Behavior/Academic Plans, Truancy Prevention Plans, Individual Counseling, Drug/Alcohol (outside agencies) For more information about our FACT program please visit our webpage at <https://www.freeport.k12.pa.us/FAHS/Content/726>

LICENSED PROFESSIONAL COUNSELOR

Our Licensed Professional Counselor, provides individual and small group counseling services to students at the High School needing additional mental health support. The Licensed Professional Counselor creates individual treatment plans with the student, based on their needs. The treatment plans are used as a focus in sessions with students to monitor progress and to identify any additional needs. Our LPC is certified in trauma focused cognitive behavioral therapy.

CAREER / POST-SECONDARY

The Counseling Department assists students grades 9-12 with a comprehensive career portfolio and activities. Below is a list of activities that are a part of the comprehensive career activities completed grades 9-12.

- Individual meetings with Students about Career/Postsecondary Planning (Grade 10-12)
- Career Pathway Program of Studies (see future pages in this handbook)
- Career Exploration and Acquisition Lessons in PA Career Zone-freeport.pacareerzone.org
- Career Day Program at FAHS every Spring (Grade 9-12)
- Financial Aid Night (November – Open to all High School Students and Parents) A PHEAA representative discusses the different financial aid options and filing the FAFSA form. Financial Aid booklets concerning the different types of financial aid and completing the FAFSA are available in the School Counseling Department office for students and parents.
- Lenape Vocational Technical School Tour, Presentation, and Program Shadowing (Grade 10) Applications and program booklets are available in the counseling office. The application deadline for Lenape is always at the beginning of April every school year.
- National College Fair (Grade 11)
- Opportunity to meet with Local College Representatives (Grade 11 and 12)
- SAT/ACT/PSAT/ASVAB INFORMATION-Registration information is available in the Counseling Department office for the SAT, ACT, PSAT tests. It is recommended that students start to take the SAT during the second semester of their junior year. ***The SAT is offered at Freeport High School during the months of October, March and June tests. The test site ID is 39-315.*** The PSAT and ASVAB will be offered to all junior students during the Fall of their junior year.

SCHEDULING INFORMATION

CREDIT

The school day at the high school is divided into eight (8) separate periods for a total of forty (40) class periods plus five (5) lunch periods per week. In planning course selections, the student is guided by the following:

- A minimum course load of six (6) separate full-year classes or the equivalent, plus the requirement, in the areas of physical education. (Thirty-two (32) class periods)
- A maximum course load of seven (7) separate full-year classes or the equivalent, plus the requirement, in the area of physical education. Under special circumstances, scheduling additional courses through a school counselor might be possible.
- The maximum number of allowed study halls is eight (8) per semester.

PREREQUISITES

Most courses requiring prerequisites are apparent. For instance, French I is a prerequisite for French II. Therefore, prerequisite requirements are listed in the descriptions of most courses. If you need clarification on whether a prerequisite is necessary for a course, ask your school counselor or a teacher in the department offering the course.

ADVANCED PLACEMENT (A.P.) COURSES

Advanced Placement Courses are offered in the area of Social Studies, Math, English, and Science. These courses are offered to those students who are academically qualified, have teacher recommendations, and are recognized as needing the challenging experience. *There is significant summer work before the start of the school year for these courses.* Students participating in the gifted program can also elect advanced placement courses. Most colleges grant credit for participation in advanced placement courses when the student achieves college-level standards on the required A.P. examination. **All students taking an A.P. course must take the respective A.P. Exam upon completion of the specific course.**

COLLEGE IN THE HIGH SCHOOL (CHS) COURSES / DUAL ENROLLMENT

- Dual enrollment is an opportunity that allows high school and home school students to earn college credits for courses taken through a postsecondary institution while still attending high school.
- Students will be enrolled in both high school and postsecondary institutions. Students can earn credit through Westmoreland County Community College (WCCC), The University of Pittsburgh, and Seton Hill University. Students must register for that credit, pay the rate, and earn a passing grade to earn credit. In addition, courses offered through Pitt must pass an entry exam to get credit for the class. Once the class is finished and teachers verify grades, a representative from the post-secondary institution will send an official transcript to the student from the institution.
- We cannot guarantee college credit earned here through FAHS will transfer to your college/university of choice. To see if the CHS courses you take through Freeport will transfer to the institution you may transfer to, visit Pennsylvania Transfer and Articulation Center at www.patrac.org or the college/university website. Each College or University will determine cost per credit. The cost per course will be approximately \$300.00. These fees are at parental/student expense.
- The following lists reflect CHS-course offerings as of December 2022. This list is subject to change:

University of Pittsburgh Course Offerings

<u>UPitt Course Name</u>	<u>Credits</u>	<u>FHS Course Name</u>
COMMRC0500 - Rhetoric Communication	3	Argument and Rhetoric
INFSCI -Introduction to Information Science	3	Computer/Information Science Principles
CS0004 -Intro to Computer Programming in the Visual Basic Language	3	CHS Honors Introduction to Programming with JAVA

Westmoreland County Community College Course Offerings

<u>WCC Course Name</u>	<u>Credits</u>	<u>FHS Course Name</u>
ACC 155 – Accounting I	3	Honors Accounting II
SOC 155- Principles of Sociology	3	Sociology

Seton Hill Course Offerings

<u>Seton Hill Course Name</u>	<u>Credits</u>	<u>FHS Course Name</u>
SFR105 – Intro. to Language and Composition II	3	French III
SFR205 – Intermediate French Language and Composition	3	French IV
SPH106/107 College Physics I and Lab	3	Physics II
SBU100 – Principles of Accounting I	3	Accounting I and Accounting II (Must take both courses)
SMA140 Calculus II	3	AP Calculus BC
MA130 Calculus I	3	AP Calculus AB
SSP 105 Elementary Spanish Language & Culture II	3	Spanish III
SSP 205 Intermediate Spanish Language & Culture	3	Spanish IV
SB150/151 General Biology	4	AP Biology

INTERNSHIP & WORK RELEASE

INTERNSHIP

The High School Internship Program allows students to gain valuable insight into their career preferences, develop job skills, and interact with professionals in their work environment. In addition, students can use this internship experience to help decide on their major, bolster their college applications and gain experience to better prepare themselves for the future. Our goal is to make students better prepared for the demands of the workforce and educate them on the “world of work.” This type of shared time activity permits students in 12th grade to take a reduced class load. Students must meet all requirements for graduation to be eligible for the Internship Program. Students who plan to enroll in the Internship Program must complete appropriate forms since this program will require scheduling modifications.

WORK RELEASE

This type of shared time activity permits students in the 12th grade to carry a reduced class load and then report to work. Students must enroll in a *School to Career* course and meet all graduation requirements to be eligible for work release. A student may have release time for this program approved in the afternoon. Students are required to maintain continuous employment under adult supervision. Daily school attendance is mandatory. A school counselor will make initial contact with employers to verify employment. Therefore, employers will be asked to (1) notify the school immediately of any change in a student's employment status and (2) complete a written report each semester concerning the student's job performance.

Students who plan to enroll in a work release program must receive approval and complete the appropriate forms since this program will require scheduling modifications. Students enrolled in the program whose job status changes will be reassigned to all-day classes. It is the student's responsibility to report any changes in employment status. Students who wish to enroll in the program once the school year begins must do so before the end of the first (1st) nine-week grading period.

PRE-APPRENTICE PROGRAM

Opportunities for pre-apprenticeship programs for interested students are available upon request. Local companies or agencies may provide such programs and will structure and set up these programs for students. Interested students should contact their school counselor during their 11th or 12th Grade year.

VOCATIONAL EDUCATION

LENAPE TECHNICAL SCHOOL

Lenape Technical School of Armstrong County is a self-contained school that serves the Freeport Area School Districts. Students who choose to attend Lenape Vocational-Technical School complete a full-day, two-year vocational-technical program. Three credits are awarded each year to students completing career coursework. Lenape Technical School credits and grades are included in the GPA and class rank. All students attending Lenape full-time are expected to participate in commencement exercises at Lenape or Freeport, but not both.

A “Student Letter of Agreement” to attend Lenape Technical School from Freeport Area Senior High School must be signed by the student and parent before attending Lenape. This agreement states that there will be a two-week trial period to decide whether or not to continue at Lenape. After this trial period, the student will be required to remain at Lenape for the duration of the School year. At the end of the junior year, if a student wishes to return to Freeport Area Senior High School from Lenape, the student and their parent(s) must conduct a re-admission conference. Attendance at this conference must include the student, parent, Freeport Area School District school counselor, and principal. For a complete list of programs offered at Lenape Technical School, please get in touch with a Freeport Area Senior High School Counselor or access Lenape Technical website on our district webpage for more information about their program offerings. Transportation to the Lenape Technical School is provided from the student's home on all school bus routes

PROGRAM OFFERINGS

Below are the course requirements that every student must take to meet Freeport Area’s graduation requirements. Please use this as a guide when scheduling each year while referring to the career pathways suggested courses included in this handbook. The four career pathways are Arts and Communication, Business, Finance and Information Technology, Engineering Science and Industrial Technology, and Health and Human Services. The requirements for admission to postsecondary institutions constantly change and vary widely from one school/department to another. Therefore, students/families should continually check requirements for individual postsecondary institutions on their websites and with their high school counselor.

SPECIAL NOTES

- Please use the information below and the career pathways suggested courses as a guide for scheduling. This program is only a guide. Students are encouraged to take as many courses as they can to have an enriched high school experience.
- Two years of the same Foreign Language is strongly recommended.

ACADEMIC REQUIREMENTS/PER GRADE

GRADE 9

English 9 or Honors English 9
United States History II
Integrated Science (or Biology)
Rotation (4, nine-week courses)
Math - next sequential course
Physical Education
Elective(s)

GRADE 10

English 10 or Honors English 10
U.S. History III
Biology (or next level)
Math - next sequential course, see chart
Physical Education
Health
Elective(s), specifically .5 credit Computer course

GRADE 11

Honors English 11 or English 11
Western Civilization or AP World History
Science Course
Math - next sequential course, see chart
Physical Education
Public Speaking
Elective(s), specifically .5 credit Computer course (if not taken course last year)

GRADE 12

Honors English 12 or English 12 or AP English
Government or Honors Government
Science Elective
Math - next sequential course, see chart
Physical Education (if not completed 9th/10th/11th)
Elective(s), specifically .5 credit Computer course (if 1.0 credit is not completed in Grades 10/11)

CAREER PATHWAYS PROGRAM OF STUDIES

Arts and Communication



Business, Finance, and Information Technology



Engineering Sciences and Industrial Technology



Health and Human Services



MISSION STATEMENT

The Freeport Area School District is committed to assist every student focus his or her high school education on a deliberate post-secondary plan that matches the interests, skills, knowledge, and experience of each individual student.

ABOUT THE PROGRAM

The driving force behind the Career Pathways program is that every student personalized his/her career and educational plan beyond high school. Helping students recognize that they have direct control over the career path they choose is the challenge of Career Pathways. A career path is a broad spectrum of careers that share similar characteristics and for which employment requirements call for common interests, strengths, and competencies. The U.S. Department of Education has identified sixteen (16) Career Clusters that were designed to help students focus on an area of interest and possible career path. FASD's Pathways Program combined the clusters to create four broader and flexible paths for student exploration and instruction. The four Pathways used by the Freeport Area School District are as follows:

It is recommended that students select a Career Pathway during course selection of their 8th grade year. Students will then be able to examine specific careers and post-high school educational programs related to their Pathway. In addition, elective course recommendations and service learning options will be available to assist parents and students in making course selections that will be most beneficial to their academic and career goals. This information will help students see a connection between what they learn within the classroom and the skills they need for success in their adult lives and the work world.

CAREER PATHWAY GOALS

- To assist each student in determining a Career Pathway based on interest and ability.
- To provide a variety of course offerings that will prepare students for education/training beyond high school to meet individual career goals.
- To produce students who are responsible citizens, effective communicators, cooperative workers, and skilled problem-solvers.

RATIONALE

What do you want to be when you grow up? The Pathways Program has been designed to help Freeport Area School District students answer this most important question. Students begin their journey by exploring personal skills, interests, and aptitudes through career assessments which supply them with ideas about which one of the four Career Pathways might “best fit” their personality.

COURSE SELECTION

In this Program of Study, electives and other selected courses are marked with one or more of the above Career Pathways symbols. Students are encouraged to choose electives based on their interest in or curiosity about a particular Career Pathway. The school counseling department will also help to guide you in your course selection.



ARTS AND COMMUNICATION

Careers in the Arts and Communication career pathway involve designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual performing arts and design, journalism, broadcasting and entertainment services. This career cluster is categorized into six different areas:

- Audio and Video Technology and Film
- Printing Technology and Graphic Communication Technology
- Visual Arts
- Performing Arts
- Journalism and Broadcasting
- Telecommunications



BUSINESS, FINANCE, AND INFORMATION TECHNOLOGY

The Business, Finance, Information Technology pathway includes careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. The finance portion of this pathway involves careers in financial and investment planning, banking, insurance, and business financial management. Information technology careers involve the design, development, support, and management of hardware, software, multimedia and systems integration services. This career cluster is categorized into four different areas:

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



ENGINEERING, SCIENCE & INDUSTRIAL TECHNOLOGY

Engineers and technicians design and build things. They are critical in all kinds of manufacturing, especially at the earliest stages when products and processes are being created and refined. A career in science is exciting, challenging and ever-changing. Learners who pursue one of these career fields will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services. This career cluster is categorized into three different areas:

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



HEALTH AND HUMAN SERVICES

This is a pathway that includes a large and diverse group of careers. Human Services involves careers that help people and families meet their needs, including education, social services and mental health needs. The health and medicine career pathway include careers that promote health, wellness, and diagnosis as well as treat injuries and diseases. Some of the careers involve working directly with people while others involve research into diseases or collecting and formatting data and information. Work locations are varied and may be in hospitals, medical or dental offices or laboratories, medevac units, sports arenas, or within the community. This career cluster is categorized into three different areas:

- Education and Training
- Government and Public Administration
- Hospitality and Tourism
- Human Services
- Law, Public Safety, Corrections and Security

CAREER OPPORTUNITIES FOR CAREER PATHWAYS

Level of Education	Career Pathway: <i>Arts and Communication</i>
<i>Doctoral or Professional Degree</i>	
<i>Bachelor's Degree</i>	<ul style="list-style-type: none"> ● Journalist ● Public Relations ● Editors ● Technical Writers ● Writer/Author ● Interior Designer ● Fashion Designer ● Industrial Designer ● Multimedia Artist/Animator ● Art Director
<i>Bachelor/Associate Degree</i>	<ul style="list-style-type: none"> ● Graphic Arts ● Culinary Chef ● TV/Radio Production ● TV/Radio Broadcaster ● Choreographer ● Public Relations ● Photographer
<i>Certificate or HS Diploma</i>	<ul style="list-style-type: none"> ● Floral Designer ● Photographer
Level of Education	Career Pathway: <i>Business, Finance, & Information Technology</i>
<i>Doctoral or Professional Degree</i>	<ul style="list-style-type: none"> ● Computer Information Research Specialist ● Financial Analyst
<i>Bachelor's Degree</i>	<ul style="list-style-type: none"> ● Accountant* ● Auditor* ● Actuary* ● Appraiser ● Buyers/Purchasing Agents ● Appraiser ● Claims Adjuster ● Cost Estimators* ● Financial Analysts ● Human Resource Specialist ● Insurance Underwriter ● Labor Relation Specialists ● Loan Officer ● Management ● Financial Advisor ● Computer Network Architect ● Computer Programmer* ● Computer Support Specialists ● Computer System Analysts

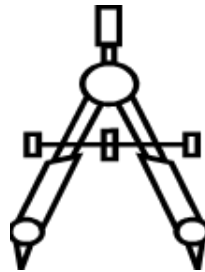
	<ul style="list-style-type: none"> ● Database Administrator* ● Software Engineer Developer*
<i>Bachelor/Associate Degree</i>	<ul style="list-style-type: none"> ● Appraiser ● Claims Adjuster ● Sales Engineer ● Computer Support Specialist*
<i>Certificate or HS Diploma</i>	<ul style="list-style-type: none"> ● Web Developer* ● Advertising Sales Agent ● Cashier ● Insurance Sales Agent ● Real Estate Agent ● Travel Agent
Level of Education	Career Pathway: <i>Engineering Sciences & Industrial Technology</i>
<i>Doctoral or Professional Degree</i>	<ul style="list-style-type: none"> ● Research Scientist/Research Professor
<i>Bachelor's Degree</i>	<ul style="list-style-type: none"> ● Architect* ● Biomedical Engineer* ● Civil Engineer* ● Environmental Engineer* ● Mechanical Engineer* ● Chemical Engineer* ● Industrial Engineer* ● Machining Technology* ● Computer Hardware Engineer ● Health and Safety Engineer ● Materials Engineer ● Nuclear Engineer* ● Petroleum Engineer ● Surveyor ● Forensic Science Technician
<i>Bachelor/Associate Degree</i>	<ul style="list-style-type: none"> ● Appraiser ● Claims Adjuster ● Sales Engineer ● Computer Support Specialist*
<i>Certificate or HS Diploma</i>	<ul style="list-style-type: none"> ● Carpenter ● Boilermaker ● Construction Inspector ● Electrician ● Plumber ● Ironworker ● Glazier
Level of Education	Career Pathway: <i>Health and Human Services</i>
<i>Doctoral or Professional Degree</i>	<ul style="list-style-type: none"> ● Dentist ● Chiropractor

	<ul style="list-style-type: none"> ● Nurse Practitioner* ● Nurse Anesthetists ● Optometrist ● Pharmacist ● Physical Therapist* ● Physician Assistant* ● Physician* ● Speech Pathologist* ● Sociologist ● Psychologist ● Instructional Coordinator ● Education Administrator ● Mental Health Counselor ● Attorney
<i>Bachelor's Degree</i>	<ul style="list-style-type: none"> ● Dietitian ● Exercise Physiologist ● Occupational Health/Safety Specialists ● Registered Nurse ● Recreational Therapist ● K-12 Teacher ● Social Worker
<i>Bachelor/Associate Degree</i>	<ul style="list-style-type: none"> ● Dental Hygienist* ● Police Officer ● Detective ● Nuclear Medicine Technician ● Licensed Practical Nurse* ● Occupational Health/Safety Technician ● Physical Therapy Assistant* ● Occupational Therapy Assistant* ● Diagnostic Medical Sonographer* ● Radiation Therapist ● Radiologic and MRI Technician ● Respiratory Therapist ● Veterinary Technician
<i>Certificate or HS Diploma</i>	<ul style="list-style-type: none"> ● EMT/Paramedic ● Home Health Aides ● Nurse's Aide* ● Massage Therapist ● Medical Assistant* ● Pharmacy Technician ● Veterinary Assistant ● Correctional Officer

*Occupations are in most demand in our area, according to the Allegheny Conference Report on Community Development.

COURSE DESCRIPTIONS


The following pages contain a complete listing of all courses offered at the high school. Each course description includes general information about course content and activities, credit value, length of the course and frequency of meeting times, grade level offered, and any recommendations or prerequisites for the course. The course description indicates whether or not the course qualifies as an Arts and Humanities Course or a Computer Course. Listed in the course description information as (A/H) or (C), these courses may be taken to satisfy the Arts and Humanities or Computer requirements as listed under the “Graduation Requirements” section of this booklet.




BUSINESS, COMPUTER AND INFORMATION TECHNOLOGY

TITLE: <i>MICROSOFT OFFICE SPECIALIST CERTIFICATION I (C)</i>	
Course Number: 0391	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Computer Applications	Grades: 10-12


This course is a guided independent study course in Microsoft Word and Excel. The course is designed for students to master the objectives in both Microsoft Word and Excel MOS certification exams. The Microsoft Office Specialist (MOS) certification has been designed to validate knowledge of and ability to use Word and Excel. Students will be offered both exams. In Microsoft Word, students will master the following objectives: Create and manage documents, format text, paragraphs, and sections, create tables and lists, create and manage references, and insert and format objects. In Microsoft Excel, students will master the following objectives: Create and manage workbooks and worksheets, manage cells and ranges, manage tables, apply formulas and functions, and create charts and objects. Certification test fees may be at parental expense. *This course counts towards the required computer credit.*

TITLE: <i>MICROSOFT OFFICE SPECIALIST CERTIFICATION II (C)</i>	
Course Number: 0392	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Microsoft Office Specialist Certification I course, if not taken concurrently	Grades: 10-12


The course is designed for students to master the objectives in the Microsoft Access Expert certification exam. The Microsoft certification has been designed to validate knowledge of and ability to use Access. In Microsoft Access, students will master the following objectives: manage databases; create and modify tables; create and modify queries; create and modify forms; create and modify reports and execute advanced functions such as complex queries and record management. All associated certification fees are at parental expense. It is strongly recommended to take the MOS I course concurrently to avoid extra certification fees/charges. Certification test fees may be at parental expense. *This course counts towards the required computer credit.*

TITLE: <i>WEB DESIGN (C)</i>	
Course Number: 0376	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Computer Applications	Grades: 10-12


(Priority given to upper-class students) In this course students will learn how to present ideas by using text, graphics and pictures to create a responsive website. Emphasis is placed on exploring issues related to the design, development, implementation and content of projects. Students will create multiple websites throughout the semester which will involve completing web based research and utilizing proper use of citing sources. Upon completion of the course, a student would understand how to develop a website to take a multimedia approach to capture an audience and deliver a message. *This course counts towards the required computer credit.*

TITLE: <i>GRAPHIC DESIGN (C)</i>	
Course Number: 0386	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Computer Applications	Grades: 10-12


Students will become familiar with the current trends in graphic design utilizing Adobe Photoshop and Illustrator. They will learn design strategies to produce professional-looking publications. The Adobe-approved curriculum could prepare students for the Adobe exam. Students will use their creativity to produce various publications that a typical business would need. *This course counts towards the required computer credit.*

TITLE: <i>ENTREPRENEURSHIP</i>	
Course Number: 0508	Credit: 0.5
Periods: 6 per cycle	Offered: Semester
Prerequisite: Introduction to Entrepreneurship	Grades: 10-12


Have you dreamed of owning and operating your own business? Would you like to be our own boss, make your own decisions? This is a project-based course, students are introduced to the business world by focusing on owning and managing a business. A business plan is developed describing the organization, its mission statement, marketing strategies, management analysis, and financial requirements. In addition to creating a business, the students will have the opportunity to develop a new product or to improve upon an existing product. Regardless of a students' future plans, this course will provide a solid foundation in the business field. Students will be given the opportunity to receive ESB (Entrepreneur & Small Business) certification at parental expense.

TITLE: <i>INTRO TO ENTREPRENEURSHIP</i>	
Course Number: 0503	Credit: .25
Periods: 6 per cycle	Offered: Nine Weeks
Prerequisite: None	Grades: 9


This project-based course introduces students to the fundamental principles of entrepreneurship. Students will learn the process for conceiving, creating and managing their own business. Students are given the opportunity to create their own food truck. During the development of the food truck, students will gain basic skills in finance, accounting, marketing, management, market research and general business skills. Students will also be exposed to Microsoft Office and Google Suite throughout the process.

TITLE: <i>ACCOUNTING I (C)</i>	
Course Number: 0509	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 10-12


Money makes the world go around...so the saying goes. Money management is an essential life and career skill. You do not have to be planning to be an accountant to benefit from this course. Accounting provides us with the knowledge we need to effectively keep track of money as well as plan for the future. This introductory course will give you a thorough background in basic accounting procedures used to operate both a service and merchandising business. Problems and worksheets are completed through the use of automated accounting software. Students will also learn QuickBooks (accounting software used by many businesses) and have the opportunity to become certified in the software. This course is especially recommended for those who plan to study business in college or open their own business. In addition, practical skills such as learning how to communicate well, paying attention to details, improving your problem- solving abilities, evaluating your own work, listening well and interpreting data will help you regardless of what you decide you want to do. Students may have the opportunity to earn QuickBooks certification at parental expense. *This course can be considered a fourth math credit or a computer credit.*

TITLE: <i>HONORS ACCOUNTING II (WEIGHTED) (CHS)</i>	
Course Number: 0510	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Accounting I with “C” or better.	Grades: 11-12


Would you like to work in the business field, become an FBI (white collar) agent? This advanced course can help you do just that. Accounting II expands on the topics learned in the first-year course while adding new topics such as departmentalized accounting, accounting control systems, inventory planning and valuation, general accounting adjustments and corporation accounting. Problems and worksheets are completed through the use of automated accounting software. This course helps qualify students for jobs and careers at higher levels than one year study would allow. It is also an excellent background and preparation for college business and accounting courses. The students have an opportunity to receive college credits through Westmoreland County Community College or Seton Hill University. *This course can be considered a fourth math credit.*

TITLE: <i>HONORS ACCOUNTING III (WEIGHTED) (CHS)</i>	
Course Number: 0511	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Accounting I and Honors Accounting II <u>and</u> recommendation from previous Accounting teacher.	Grades: 11-12


This course is an independent study course in advanced accounting and only open to seniors who have successfully completed both Accounting I and Honors Accounting II. Students may be scheduled simultaneously with Accounting II students. This course is recommended to any students entering the business field or who wish to study accounting in college. Problems and worksheets are completed through the use of automated accounting software. *This course can also be considered a fourth math credit.*

TITLE: <i>HONORS INTRODUCTION TO PROGRAMMING WITH JAVA (C) (CHS, FULL-YEAR IS WEIGHTED ONLY)</i>	
Course Number: 0360 (Semester); 0375 (Year)	Credit: .50 (non-CHS); 1.00 (optional CHS)
Periods: 6 per cycle	Offered: First Semester (Non-CHS); Full Year (CHS-offered)
Prerequisite: Algebra I	Grades: 11-12; 10th grade with GIEP

Introduction to Computer Programming using Java Language is a college in the high school course intended for students interested in a rigorous study of computer programming. It is also designed to be of special interest to students intending to major in a social science or humanities discipline at a post-secondary institute or as a first course if intending to major in computer science. The objective of this course is to provide students with a practical understanding of introductory programming concepts and techniques. Key topics include problem solving, variables, decision making, repetition, arrays, and handling text files. Students will have an opportunity to apply their knowledge through hands-on programs, exercises and case study assignments. *This course counts toward the required computer credit.*


TITLE: <i>COMPUTER/INFORMATION SCIENCE PRINCIPLES (WEIGHTED)(C) (CHS, FULL-YEAR IS WEIGHTED ONLY)</i>	
Course Number: 0383 (Semester); 0384 (Year)	Credit: .50 (non-CHS); 1.00 (optional CHS)
Periods: 6 per cycle	Offered: First Semester (Non-CHS); Full Year (CHS-offered)
Prerequisite: None	Grades: 10-12

This course will introduce both information theory and the design and structure of information systems. The course will emphasize security and privacy issues as well as provide basic skills such as building web pages, programming use of simple databases, understanding the social impact of technology and exploring the human-computer interface. This course meets the quantitative requirement for University of Pittsburgh School of Arts & Sciences, is designed for students with minimal prior technical coursework, and does not require previous programming experience. Various technologies will be used in hands-on projects to reinforce course content. *This course counts toward the required computer credit.*


TITLE: <i>INTRODUCTION TO CYBER SECURITY (C)</i>	
Course Number: 0393	Credit: .50
Periods: 6 per cycle	Offered: First Semester
Prerequisite: None	Grades: 10-12

This course covers the fundamental concepts in computer security and privacy. The course is intended to expose the various security threats and vulnerabilities in computer systems and provide an understanding of the various defense and protection mechanisms. Topics include ethics and society, security principles, cryptography, malicious software, physical security and web security. The class is designed to inform and make students aware of cyber principles. Students will keep a journal and participate in class discussions to express thoughts about cyber security principles, ideas and current events. This course is appropriate for students interested in pursuing a career in business, computer science, information science, law or criminal justice, or anyone who finds the topic interesting. *This course counts toward the required computer credit.*

CAREER-BASED & INTERNSHIPS

TITLE: <i>SCHOOL TO CAREER</i>	
Course Number: 0531	Credit: 1.00
Periods: Various	Offered: Year
Prerequisite: Work Release Approved	Grades: 12

This class will meet two periods per week with students who wish to enhance their career skills and participate in the early work release program. The classroom experience is intended to provide job skills necessary for student success as we move through this new century. Course curriculum will include communication skills, work ethic, characteristics of productive employees and practical skills related to the world of work including budgeting and income tax preparation. All work release students will be monitored throughout the year for job participation. Students must work a minimum of 15 hours per week to qualify for course credit. (Students not meeting the minimum work requirement would forfeit credit).

TITLE: <i>INTERNSHIP</i>	
Course Number: 0533 (Semester); 0534 (Year)	Credit: .50; 1.00
Periods: Various	Offered: Year
Prerequisite: Work Release Approved	Grades: 12

The High School Internship Program allows students to gain valuable insight of their career preferences, develop job skills, and interact with professionals in their work environment. Students can use this internship experience as a strategy to help decide their major, bolster their college applications and gain experience to better prepare themselves for the future. It is our goal to make students better prepared for the demands of the workforce as well as educate them on the “world of work.” This type of shared time activity permits students in 12th grade to carry a reduced load of classes. Students must meet all requirements for graduation to be eligible for the Internship Program. Students who plan to enroll in the Internship Program must complete appropriate forms since this program will require scheduling modifications.


DISTANCE EDUCATION

TITLE: <i>DISTANCE EDUCATION</i>	
Prerequisite: Per high school-approved procedures	Grades: 9-12


Under certain circumstances, students can choose to take courses through Distance Education. There will be four types of courses available. They are: correspondence courses, online courses, and university/college courses or Dual Enrollment courses (available for Junior/Senior Students). To participate in a Distance Education Course the student must receive pre-approval from his/her school counselor and principal prior to enrollment and the following procedures apply:

- Courses must be taken from an approved licensed and accredited institution such as The Accrediting Commission of the Distance Education and Training Council and/or the U.S. Department of Education.
- Final approval of the Distance Education course also depends upon the principal's evaluation of the course(s) to determine if it complies with both Pennsylvania state curriculum standards and Freeport Area School District local standards.
- The total cost of the Distance Education Course is incurred solely by the student.
- Distance Education transfer courses will not count toward the calculation of a student's GPA.
- A student must finalize all Distance Education course(s) and present a certificate of completion (transcript) to the school counselor at least one week prior to graduation for the course to be included on the current year's transcript and qualify in time for commencement.

ENGLISH

TITLE: <i>ENGLISH 9</i>	
Course Number: 0202	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 9


English 9 focuses on applying the writing process to Informational, Narrative and Persuasive Composition writing, as well as building students' vocabulary in preparation for the SAT test. Students also study the literary units of the short story, (which includes formal journal writing), the novel, and Shakespearean drama. Additionally, study skills and note taking skills are reinforced. A library orientation to the Senior High Library is also included.

TITLE: <i>HONORS ENGLISH 9 (WEIGHTED)</i>	
Course Number: 0222	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Recommendation from 8th-Grade English Teacher	Grades: 9

Honors English 9 focuses very heavily on the writing process by writing numerous Informational, Narrative, and Persuasive Compositions by applying the writing process. There is also a focus on preparing students for the PSAT and SAT tests through weekly vocabulary building, as well as studying the literary units of the short story, Shakespearean drama, and the historical novel which includes formal journal writing. Summer reading of two works of literary merit will be required of each student. These will be evaluated by written response and/or other formal assessments. In addition, study skills and note-taking skills are reinforced and a library orientation is also included.

TITLE: <i>ENGLISH 10</i>	
Course Number: 0204	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: English 9	Grades: 10


English 10 is structured to accommodate the needs of all sophomore students. The course encompasses grammar and composition (usage, punctuation, and writing skills) and literature (novels, short stories, dramas, essays, articles and biographical sketches). Included also are units dealing with speaking, listening, vocabulary and spelling. Upon completion of the course, students are required to take the English Literature Keystone Exam.

TITLE: <i>HONORS ENGLISH 10 (WEIGHTED)</i>	
Course Number: 0225	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: "A" in English 9, or "B" or better in Honors English 9	Grades: 10

Honors English 10 is designed for the academically talented and/or gifted student. This course presents a general approach to literature covering intensive units in poetry, drama and the novel. The technical vocabulary of fiction and poetry is developed in its application to each area of literature, which is analyzed by discussion and composition. Mechanical skills and grammar concepts are studied through the student composition, which will employ a standard manuscript format and utilize the criteria of a good paragraph. Vocabulary skills are also developed and reviewed. Summer reading of two works of literary merit will be required of each student. These will be evaluated by written response and/or other formal assessments. Upon completion of the course, students are required to take the English Literature Keystone Exam.

TITLE: <i>ENGLISH 11</i>	
Course Number: 0205	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: English 10	Grades: 11


English 11 is designed to teach English and communication skills needed to achieve educational, vocational, and communication competencies. Applied English 11 strongly emphasizes correct use of spelling, grammar, punctuation, capitalization, abbreviations, number expression, vocabulary, literature, research skills, listening skills, speaking skills, and writing skills. It is essential that the students develop competency in various communication mediums; therefore, students will be required to read widely, think critically, and write extensively using the Informational, Persuasive and Narrative processes.

TITLE: <i>HONORS ENGLISH 11 (WEIGHTED)</i>	
Course Number: 0226	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: "A" in English 10, or "B" in Honors English 10	Grades: 11


Honors English 11 is designed for the academically talented and/or gifted student. In this course American literature is surveyed historically with a detailed study of selected prose or poetry of the specific period. Mechanical skills and grammar concepts are studied through the student composition which will employ the standard manuscript format and utilize the criteria of a good paragraph. A research paper is also written using a standard format and varied research techniques and sources. Students are exposed to vocabulary as defined by Vocabulary for the College-bound Student by Harold Levine. Summer reading of two works of literary merit will be required of each student. These will be evaluated by written response and/or other formal assessments.

TITLE: <i>ENGLISH 12</i>	
Course Number: 0207	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: English 11	Grades: 12

The primary goal of English 12 is to enable students to learn and master reading, thinking, writing, speaking, and listening skills through the process of using language and literature as a reflection of “real life.” This course is designed to teach English and communication skills needed to achieve educational, vocational, and communication competencies. The students in this class will read widely, think critically, and write extensively. Emphasis will be placed on the development of vocabulary, research skills, and oral and written communication skills.

TITLE: <i>HONORS ENGLISH 12 (WEIGHTED)</i>	
Course Number: 0227	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: “A” in English 11, or “B” in Honors English 11	Grades: 12


Honors English 12 is designed for the academically talented or gifted student. This course views the literature, including drama, poetry, and prose of the Western and British world from both broad historical and thematic perspectives. During the course, the students will read at least six major works. The expository composition will be stressed emphasizing structure, style, and diction. Additionally, creative writing is explored as a way of demonstrating understanding of the various literary genres. Summer reading of two works of literary merit will be required of each student. These will be evaluated by written response and/or other formal assessments.

TITLE: <i>A.P. ENGLISH 12 (WEIGHTED)</i>	
Course Number: 0228	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: "B" or better in Honors English 11	Grades: 12


AP English 12 is designed for the academically talented and/or gifted student. This course, concentrating on British and Western literature, emphasizes the universality of man's philosophies and ideas. Poetry, drama, and prose are studied and a strong focus is placed on literary terminology. Writing skills are emphasized with special consideration given to expository essays, research writing, critical writing, creative writing, and persuasive writing. In conjunction with the curriculum mentioned above, paragraph development, types of paragraphs, style, and diction are studied and reviewed. Finally, some course time is allotted to strategies needed to take the AP Examination in Literature and Composition. Additionally, summer reading of works of literary merit, and written responses to those works are expected of each student. Upon completion of the course, students are required to take the AP Exam. Students must recognize that successful completion of the AP Examination does not guarantee automatic placement and/or credit in colleges. Therefore, students must inquire of individual colleges their policies regarding the use of AP Examinations.

TITLE: <i>PUBLIC SPEAKING</i>	
Course Number: 0212	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: English 9	Grades: 11 or 12


Public Speaking is a required course designed for students to acquire the skills which are necessary for effective communication. Conversation skills, the theory of speaking, small group interaction, and impromptu speaking are involved in this course.

TITLE: <i>CREATIVE WRITING I (A/H)</i> <i>Offered in Year 'A' Rotation</i>	
Course Number: 0218	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: English 9	Grades: 10-12


Creative Writing is a semester intensive writing course for the student who enjoys writing on a daily basis and wants to explore various genres and modes of writing. Students will experiment with forms of poetry, song lyrics, memoirs, narratives, character sketches, short stories, fairy tales, screenplays, and one-act plays. Published works, in most of these forms, will also be read and discussed throughout the semester. Emphasis will be placed on developing a writing community where students explore personal style and voice and interact with peer and published writers in the class for feedback and ideas. Students will be evaluated on class participation in response groups, in-class exercises and sharing circles, as well as through a writing portfolio, which will be collected and evaluated for specific criteria at the end of each marking period.

TITLE: <i>CREATIVE WRITING II (A/H)</i> <i>Offered in Year 'B' Rotation</i>	
Course Number: 0230	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Creative Writing I	Grades: 10-12


Creative Writing I offers students an introduction to creative writing through a variety of daily activities and projects. Once they have had the experience of creative exercises that led to an assortment of poems, songs, plays and stories, they will be given an opportunity in Creative Writing II to select and expand on the genres that interest them the most. The students will design a few long reaching creative goals with specific outcomes. These could be writing a novel or novella, a collection of short stories, a book of poetry, a full length play, or any combination of these. Students would also be expected to read different genres of literature for inspiration and example. Class time would be devoted to writing, with small group feedback. Eventual publication would be a final goal.

TITLE: <i>ACTING AND DRAMATIC STRATEGIES I (A/H)</i> <i>Offered in Year 'A' Rotation</i>	
Course Number: 0219	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: English 9	Grades: 10-12

This course is intended for the student interested in learning about Language Arts and Literature in a setting that emphasizes practicing the craft of acting. The acting course focuses on behavior, movement, reaction, and believability in order to help the student reach a deeper understanding of Language and Literature Standards and Anchors. Time at the start of the course will be spent on becoming comfortable with the stage and learning the parts of the theater. Students will perform pantomime, emphasizing the importance of body language and facial expression to tell the story. Students will also be exploring speaking from the stage, focusing on volume, dictation, and enunciation. Through studying blocking, students will be able to integrate acting driven dialogue and stage movement. Script and character analysis is integral to the course to show students how to interpret a script and find a character's motivation and behavior. Method acting will be examined, as well as the performance of specific monologue types. Dialogues, or play cuttings, are covered, providing students with the opportunity for interaction and implementing previously learned acting skills. Other topics of study include one-act plays, directing, writing for the stage and screen, and script adaptation and the role of the playwright. As a final culmination of the course, the class will work in groups to write, direct, and produce a series of one act productions, to be performed for an audience.

TITLE: <i>ACTING AND DRAMATIC STRATEGIES II (A/H)</i> <i>Offered in Year 'B' Rotation</i>	
Course Number: 0231	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Acting and Dramatic Strategies I	Grades: 10-12

This course is designed for the student interested in expanding and sharpening the craft of acting which was initiated in Acting and Dramatic Strategies One. Where the introductory acting course left off, ADS2 picks up with dialogues and one act plays, turning the student's focus from monologues and singular acting skills sets to cooperative collective group oriented skills, giving student the change to improve their interaction skills for the stage as well as learning to rely on fellow actors to propel the play along. In addition, the acting course focuses on heightened characterization exercises, building on the foundations of characterization taught in Acting One. Time will be spent on script adaptation and analysis as well as increasingly comprehensive character studies. Students will apply their previous skills when translating peer scripts and published work into statement pieces. A more in-depth and detailed look will be taken at the art of direction; students will have the opportunity to lead peer groups in addition to collaborative co-directing.


TITLE: <i>ARGUMENT/RHETORIC (CHS) (WEIGHTED)</i>	
Course Number: 0229	Credit: 1.00 (FHS); 3.00 (Pitt)
Periods: 6 per cycle	Offered: Year
Prerequisite: "B" or better in Honors English 11	Grades: 12

Argument, Rhetoric & Communication is a college in high school course examining the fundamentals of argument and intends proficiency in the application of these debating techniques. There are two main units in the course. The first unit examines the foundations of argument construction, support and refutation. The second unit develops argument skills through in-class argument activities. The course includes an analysis of arguments in the public forum. There is a written as well as oral component of this course. Mid-term evaluation covers theoretical knowledge of argument. This may consist of a formal examination or an alternative diagnostic measure. Each student will participate in several argument activities as well as submit a written evaluation of an activity the student has observed. One classroom debate must use the common CHS Argument Forum question. All students will participate in the first round of debates. The top performing students in the classroom debates will be chosen to participate in a second round of debating conducted for a wider school audience. The school wide debate will be videotaped and forwarded to the CHS office at Pitt. Upon review, successful students will have the opportunity to participate in a final tier of debating at the University of Pittsburgh. Each student will complete a major research assignment and will use this research to support the in-class argument activities. The project must include 50 pieces of research from at least 10 different sources. Additional tasks may be required. *This course fulfills the Public Speaking course requirement.*


FAMILY AND CONSUMER SCIENCE

TITLE: <i>CAREERS</i>	
Course Number: 0501	Credit: .25
Periods: 6 per cycle	Offered: Nine Weeks
Prerequisite: None	Grades: 9


The Careers course introduces students to a variety of career fields from the following four pathways: Engineering Sciences and Industrial Technology, Business, Finance and Information Technology, Health and Human Services, and Arts and Communication. Students explore their interests, aptitudes, and skills plus their individual learning styles in order to find possible career matches. Students will explore a variety of post-secondary school opportunities that will help students make and achieve their career goals. Students will figure out what the ROI (return on investment) is for different post-secondary schooling options that will help them make a wise financial decision on what school(s) to attend.

TITLE: <i>CHILD DEVELOPMENT I (A/H)</i>	
Course Number: 0709 (Semester 1 only)	Credit: .50
Periods: 6 per cycle	Offered: Semester 1
Prerequisite: None	Grades: 10-12


Child Development I is designed to introduce the student to the various stages of the development of a young child, from birth to 6 years of age, and to give hands-on experience in working with preschool children. These experiences will give the student training for babysitting, parenthood, or employment in a childcare situation. Concepts discussed will include: Physical/Emotional/Intellectual Development; Teaching Techniques; Observation Techniques; and Activity Creation.

TITLE: <i>CHILD DEVELOPMENT II (A/H)</i>	
Course Number: 0711 (Semester 2 only)	Credit: .50
Periods: 6 per cycle	Offered: Semester 2
Prerequisite: Child Development I	Grades: 10-12


Child Development II designed to expand upon the various stages of the development of a young child, from birth to 6 years of age, and to give hands-on experience in working with preschool children. These experiences will give the student training for babysitting, parenthood, or employment in a childcare situation. Concepts discussed will include: Pregnancy; Labor; Teaching Techniques; Observation Techniques; and Activity Creation.

TITLE: <i>CHILD DEVELOPMENT III (A/H)</i>	
Course Number: 0716	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Child Development I & II	Grades: 11-12


Child Development III is offered to students to expand upon the learning of the development of a young child, from birth to 6 years of age. These experiences will prepare the student for a supervisory role in a childcare employment setting. Skills developed will include: Administration of Plans; Observation of Children; and Creation of a quality Learning Environment. A job shadowing experience will be offered in the course.

TITLE: <i>FINANCIAL MANAGEMENT</i>	
Course Number: 0345	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 12


In this course, students learn the knowledge, skills, and processes required to make sound financial decisions and manage their own personal finances. The lessons will engage students in critical thinking, problem solving, and decision-making. Topics that will be covered include planning for careers, budgeting, saving, investing, credit, banking, transportation issues, taxes, housing issues, and risk protection. Students will apply mathematics and mathematical concepts to make wise personal and business decisions. *This course can be considered a fourth math credit.*

TITLE: <i>FUNDAMENTALS OF CULINARY ARTS I (A/H)</i>	
Course Number: 0706 (Semester 1 Only)	Credit: .50
Periods: 6 per cycle	Offered: Semester 1
Prerequisite: None	Grades: 10-12

Fundamentals of Culinary Arts I is a semester course designed to help the students develop healthy eating habits. Consumer and cooking skills needed by an individual, whether living independently or as a family member, will be developed. Concepts discussed will include: Nutrition, Cooking Skills, Entertaining, Consumerism, and the Exercise/Food Relationship.


TITLE: <i>FUNDAMENTALS OF CULINARY ARTS II (A/H)</i>	
Course Number: 0717 (Semester 2 Only)	Credit: .50
Periods: 6 per cycle	Offered: Semester 2
Prerequisite: Fundamentals of Culinary Arts I	Grades: 10-12

Fundamentals of Culinary Arts II is a semester course designed to help the students expand upon skills learned in Fundamentals of Culinary Arts I. Consumer and cooking skills needed by an individual, whether living independently or as a family member, will be developed. Concepts discussed will include: Expanded Cooking Skills, Dietary Impacts; and Meal Planning.


TITLE: <i>ADVANCED CULINARY ARTS (A/H)</i>	
Course Number: 0715	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Fundamentals of Culinary Arts I & II	Grades: 11-12

Advanced Culinary Arts is a semester course designed to extend students' knowledge and execution in the kitchen. Concepts to be covered will include advanced cooking methods, recipe and menu development, mastery of culinary math, and the impact of global foods on the United States of America.


FOREIGN LANGUAGE

TITLE: <i>FRENCH I (A/H)</i>	
Course Number: 0601	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 9-11


French I is an introductory course designed for the student interested in developing skills of listening, speaking, reading, and writing in French, with an emphasis on conversational skills. Students will use the language in conversation and in short dialogues. Additionally, French I provides students with the opportunity for learning about and discussing French culture and customs through authentic videos, current events articles, virtual tours of French-speaking countries and exploration of French cuisine. Class assignments and participation make up a large portion of a student's grade.

TITLE: <i>FRENCH II (A/H)</i>	
Course Number: 0602	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: French I	Grades: 10-12


French II is a continuation of French I. The four communication skills (reading, writing, listening and speaking) continue to be developed throughout the year. Students increase their spoken language proficiency through in-class conversation and prepared dialogues. Listening skills are developed as students interact with performance-based materials. In addition, students will have the opportunity to develop their writing skills by composing short paragraphs. Reading skills will be developed through reading text selections and additional stories. Students also explore the culture and customs through authentic videos, current events articles, virtual tours of French-speaking countries and exploration of French cuisine.

TITLE: <i>HONORS FRENCH III (A/H) (CHS) (WEIGHTED)</i>	
Course Number: 0606	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: French I & II	Grades: 11-12


French III is a continuation of the work started in French I and II. The four communication skills continue to be developed throughout the year. Students increase spoken language skills through participation in class discussions. Listening skills are developed as students interact with performance-based materials and as they interact with their classmates. Emphasis on reading and writing is increased. Students read authentic text material from various sources which include short stories. Writing as an expression of thoughts and ideas is also explored. Finally, French III offers students the chance to continue their exploration of French culture and customs through authentic videos and websites, popular and traditional music, cuisine, and discussion of French history and current events. French III is now eligible for college credits through Seton Hill University in Freeport's College in the High School Program. As a result, students interact with college level texts and materials that facilitate real world discussions on a variety of topics.

TITLE: <i>HONORS FRENCH IV (A/H) (CHS) (WEIGHTED)</i>	
Course Number: 0604	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: French I, II, & III	Grades: 12


Honors French IV is a course designed to combine the elements of language learned in the first three levels. Although some time is spent on the introduction of new grammar structures, the major emphasis will be on speaking, reading and writing the language. French literature, history and current events will be discussed orally and in writing. Finally, Honors French IV offers students the chance to continue their exploration of French culture and customs through the internet, popular and traditional music, cuisine, and discussion of French history.

TITLE: <i>SPANISH I (A/H)</i>	
Course Number: 0621	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 9-11


Spanish I is an introductory course in which the student is made aware of the importance of speaking the language and understanding the culture of the Spanish-speaking world. Basic vocabulary and basic survival phrases are learned. Basic grammar is stressed in the context of accurate pronunciation. The skills of reading, writing, listening and speaking are developed as students interact with performance-based materials. Students are also exposed to the culture and customs of Hispanic countries (including the U.S.). The aspects of holidays, cuisine, music, geography and ways of thinking are explored via authentic videos, current events articles, and virtual tours of these countries. Class participation and in-class assignments both written and oral make up a large portion of the student's grade.

TITLE: <i>SPANISH II (A/H)</i>	
Course Number: 0622	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Spanish I	Grades: 10-12

Spanish II is a one-year course that builds upon the communication skills learned in Spanish I (reading, writing, listening and speaking). Students increase their spoken language proficiency through in-class conversation and dialogue. Listening skills are developed as students interact with performance-based materials. Students will have the opportunity to improve their writing skills by composition short paragraphs and reading skills will be developed through text selections and additional stories. Additionally, Spanish II gives the students the opportunity to learn about and discuss specific aspects of Hispanic culture such as customs, ideals, geography, history and artistic accomplishments. Students will achieve this by exploring authentic videos, websites, cuisine and virtual tours of Spanish-speaking places. Class participation is approximately 10% of the student's grade.

TITLE: <i>HONORS SPANISH III (A/H) (CHS) (WEIGHTED)</i>	
Course Number: 0627	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Spanish I & II	Grades: 11-12

Spanish III is a year- long course. It is a continuation of concepts and skills learned in the first two levels of Spanish. The four communication skills of listening, speaking, reading and writing continue to be developed and assessed. The emphasis will be on speaking. Students will increase their proficiency in Spanish through participation in class discussion. Class participation is approximately 10% of the student's grade. Emphasis on reading and writing is increased. Reading selections include those from the text, as well as short stories from other sources. Students will improve their writing skills in Spanish in the areas of composition, letters and short stories. Students will explore the Hispanic culture more in-depth. Students will also become more aware of the differences between Spanish-speaking nations including distinct customs, history, art, cuisine, holidays and ideals. Spanish III students are eligible to receive college credit for successful completion of the class through Seton Hill University. The program is voluntary and requires no additional classwork.

TITLE: <i>HONORS SPANISH IV (A/H) (CHS) (WEIGHTED)</i>	
Course Number: 0624	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Spanish I, II, & III	Grades: 12

Honors Spanish IV is a one-year course. It is a continuation of concepts and skills learned in the first three levels of Spanish. The four communication skills of listening, reading, writing and speaking continue to be developed and refined through a variety of communication activities. Students will increase their proficiency in spoken Spanish through class discussion, rehearsed and impromptu dialogue, interviews and narrations; all the while striving for more accurate pronunciation and fluidity. Using the written and spoken language students will express their opinions and feelings. Writing skills will be developed by creating stories and open-ended compositions. Students will strengthen their skills of reading for comprehension. Reading materials include literary passages such as short stories, essays, poems and authentic materials in Spanish taken from the text and other sources. Students will use these skills to explore Hispanic culture; as a result, they will form an understanding of these people's attitudes toward various topics. Spanish IV students are eligible to receive college credit for successful completion of the class through Seton Hill University. The program is voluntary and requires no additional class work.

GIFTED & SPECIAL EDUCATION


TITLE: <i>GIFTED EDUCATION</i>	
Periods: based on GIEP	Offered: Year
Prerequisite: Identified GIEP students only	Grades: Open to 9-12 by due process

Gifted Education opportunities are available for identified students who have a GIEP (Gifted Individualized Educational Program). Enrichment and/or acceleration activities are based on individual need as determined by the GIEP Team. Gifted students may choose to conference with the gifted coordinator during Jacket Time.


TITLE: <i>LEARNING SUPPORT</i>	
Course Number: 0950	
Periods: 6 per cycle	Offered: Year
Prerequisite: Identified IEP students only	Grades: Open to 9-12 by due process

The Educational Support Program offers Instructional support in all academic areas for students in grades 9 -12. The amount and type of support delivered is based on the individual needs of the student as determined by the IEP team. Students must meet specific requirements for enrollment in this program.


HEALTH & PHYSICAL EDUCATION

TITLE: <i>PHYSICAL EDUCATION</i>	
Course Number: 0909 (9th Grade); 0910 (10th/11th Grades)	Credit: .34 (9th); .33 (10th/11th)
Periods: 2 days per cycle	Offered: Year
Prerequisite: None	Grades: 9-11


This course is designed with the goal to enhance the personal physical efficiencies of each student along with developing the social and recreational skills of each student. Various opportunities for development in the areas of Team Sports, Personal Fitness, and Lifetime Activities are provided. All activities are introduced with skill development, safety and rules interpretation, and conclude with competitive game play. Both co-educational and single gender activities are provided throughout the school year. *All students must complete three years of Physical Education courses in order to receive the completed credit for graduation.*

TITLE: <i>ADAPTIVE PHYSICAL EDUCATION</i>	
Course Number: 0904	Credit: .50 or 1.00
Periods: 6 day cycle	Offered: Year
Prerequisite: None	Grades: 9-12

This is a course required for any student incapable of participating in the regular physical education program. Activities are based on individual capabilities.


TITLE: <i>LIFETIME FITNESS AND ATHLETIC MANAGEMENT</i>	
Course Number: 0911	Credit: .33
Periods: 2 days per cycle	Offered: Year
Prerequisite: Completion of 3 years (1.00 credit) of Physical Education classes prior to taking this course while in high school	Grades: 12

This course is designed with the goal to enhance the personal physical efficiencies of each student along with developing the social and recreational skills of each student. Various opportunities for development in the areas of Team Sports, Personal Fitness, and Lifetime Activities are provided. All activities are introduced with skill development, safety and rules interpretation, and conclude with competitive game play. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. The student will participate in activities that include (1) health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility and body composition), (2) team sports, (3) individual or dual sports, (4) athletic training (5) outdoor pursuits and (6) Introduction to Coaching. It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness.


TITLE: <i>HEALTH</i>	
Course Number: 0905	Credit: .50
Periods: Daily	Offered: Semester
Prerequisite: None	Grades: 10

This course is designed to guide the students to a greater understanding of themselves, their relationship with others, and make them more aware of the health concerns of today. The student's physical well-being would relate to the following units: physical fitness, weight management, eating disorders, A.I.D.S., sexually transmitted diseases, and the use of drugs, alcohol and tobacco. The student's association with others is dealt with in the following units: mental and emotional health, adolescence, relationships and responsibilities. The student's interaction with their community and awareness of current health issues would include units in health services, first-aid and safety with emphasis on C.P.R.


INDUSTRIAL TECHNOLOGY / ENGINEERING

<p>TITLE: <i>ARCHITECTURAL, CIVIL, AND STRUCTURAL ENGINEERING</i> <i>Offered in Year 'B' Rotation</i></p>	
<p>Course Number: 0733</p>	<p>Credit: .50</p>
<p>Periods: 6 per cycle</p>	<p>Offered: Semester</p>
<p>Prerequisite: None</p>	<p>Grades: 10-12</p>


This is a course in the basics of Architectural, Civil and Structural Engineering. The students will gain knowledge in the Architectural areas of home design and construction, interior layout and design, landscaping, and materials manufacturing. They will also gain knowledge of Civil Engineering through the research and design of structures such as bridges, tunnels, highways and the characteristics and properties of materials used in the field, such as concrete, steel plastics, etc. Students will use both computer software and technical drawing components to design and construct models of real world structures. These activities will be STEM based and use the engineering design process. The activities will give the students experience in the areas of material testing, design and model construction. These skills would benefit students as future engineers, builders and designers, as well as home owners and consumers.

<p>TITLE: <i>ELECTRONICS TECHNOLOGY</i> <i>Offered in Year 'A' Rotation</i></p>	
<p>Course Number: 0736</p>	<p>Credit: .50</p>
<p>Periods: 6 per cycle</p>	<p>Offered: Semester</p>
<p>Prerequisite: Algebra</p>	<p>Grades: 10-12</p>


Students will study and apply electronics concepts in a wide spectrum ranging from direct and alternating current to designing circuits. Using hands-on problem solving activities and lab experiments, students will explore; electrical properties of materials, measurement instruments and techniques, current, voltage, and resistance. Circuit analysis will include Ohm's Law, DC power calculations, series and parallel circuits, and series-parallel networks. Students will work with DC motors and explore circuit control devices.

TITLE: <i>ENGINEERING, DRAWING, AND DESIGN (C)</i> <i>Offered in Year 'A' Rotation</i>	
Course Number: 0731	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: None	Grades: 10-12


This introductory engineering based course teaches the basics of Technical Drawing and Computer Aided Drafting and Design. The students will create geometric shapes; interpret 2D and 3D drawings and objects as well as edit isometric and perspective drawings in a design and engineering environment. This course focuses heavily on technology, engineering and mathematics. *This course counts towards the required computer credit.*

TITLE: <i>HOME MAINTENANCE</i>	
Course Number: 0738	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: None	Grades: 10-12


What are the biggest purchases of our lives, our vehicles and our home? This class will take the basics of ownership and maintenance of both and teach you how to take care of them. This class will look at construction and maintenance of a house. Areas covered include, but are not limited to, plumbing and electrical repair, floor and wall repair, auto and lawn mower maintenance, and some remodeling techniques. Students should be able to use all tools safely, plus gain a practical understanding of how basic materials are used around the home and car. This class is for all students.

TITLE: <i>INTRO TO TECHNOLOGY AND ENGINEERING</i>	
Course Number: 0795	Credit: .25
Periods: 6 per cycle	Offered: 9 Weeks
Prerequisite: None	Grades: 9


This project-based course is designed as an introductory course into the Freeport Area Senior High School Technology Education program. The course is designed around STEM education concepts (Science, Technology, Engineering, and Mathematics). Students will be given experiences in problem solving, engineering design, manufacturing, and robotics.

TITLE: <i>INTRO TO ROBOTICS ENGINEERING</i>	
Course Number: 0794	Credit: .25
Periods: 6 per cycle	Offered: 9 Weeks
Prerequisite: None	Grades: 9


Students will be introduced to the engineering design process' principles as they use their previous knowledge of programming and robotic design to solve real-world problems within a series of projects and challenges. Additionally, students will design products to be made using automation.

TITLE: <i>MATERIALS ENGINEERING AND PROCESSES I</i>	
Course Number: 0798 (Year); 0796 (Semester 1 only)	Credit: 1.00 or .50
Periods: 6 per cycle	Offered: Year/Semester
Prerequisite: None	Grades: 10-12


In this “manufacturing process” course, students will design and manufacture products using a variety of materials and procedures. After using technical drawing methods and computer aided drawing software to complete designs, students will use hand and power tools as well as 3D printers, laser engravers, and computer controlled machines to produce solutions to challenges. Common production materials will include, but not be limited to wood, metals and composites. Processes will include separation, joining, molding, shaping, and finishing operations. An emphasis will be placed upon maintaining a safe environment and measurement methods.

TITLE: <i>MATERIALS ENGINEERING AND PROCESSES II</i>	
Course Number: 0799 (Year); 0797 (Semester 1 only)	Credit: 1.00 or .50
Periods: 6 per cycle	Offered: Year/Semester
Prerequisite: Materials Engineering and Processes I	Grades: 10-12

In this “manufacturing process” course, students will design and manufacture products using a variety of materials and procedures. After using technical drawing methods and computer aided drawing software to complete designs, students will use hand and power tools as well as 3D printers, laser engravers, and computer controlled machines to produce solutions to challenges. Common production materials will include, but not be limited to wood, metals and composites. Processes will include separation, joining, molding, shaping, and finishing operations. An emphasis will be placed upon maintaining a safe environment and measurement methods.

TITLE: <i>ROBOTICS ENGINEERING</i>	
Course Number: 0763	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 10-12

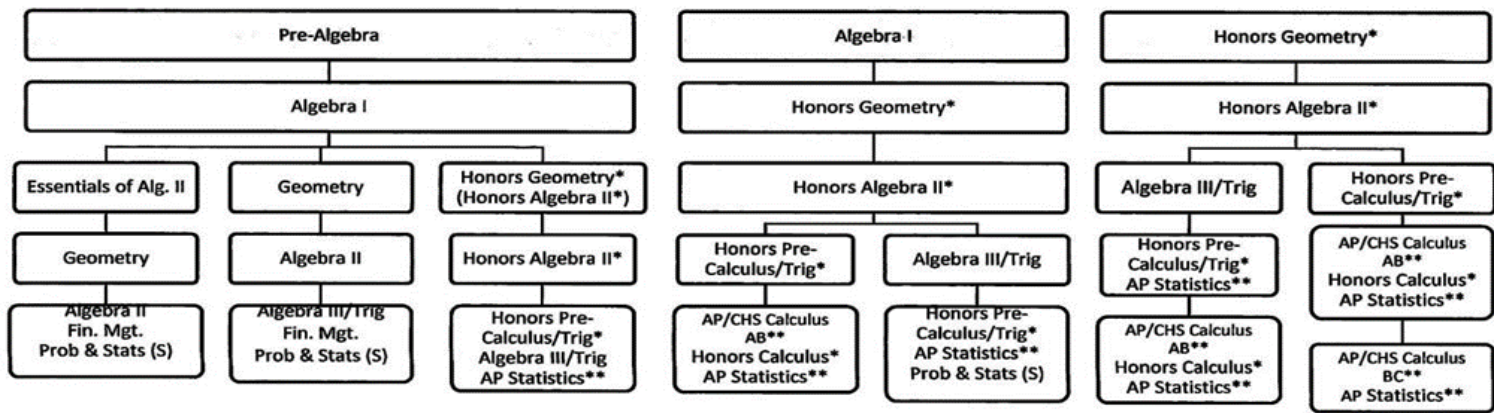
Robotics is an engineering and design course that puts an emphasis on problem solving. Students will work individually and cooperatively to design and produce robotic prototypes and systems; power, control, support and programming will be addressed. Advanced technological processes including computer aided design, rapid prototyping and laser cut components will be applied to find solutions to challenges. Competitive events may include the Bots IQ, and Vex Robotics. Multiple programming languages and design software will be used. Examples may include RobotC, Mastercam, Autodesk Inventor 3D.

TITLE: <i>TRANSPORTATION TECHNOLOGY</i> <i>Offered in Year 'B' Rotation</i>	
Course Number: 0764	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: None	Grades: 10-12


Students, working alone or in groups, will build a foundation for technical literacy by designing, constructing, testing, and assessing solutions to technological problems. Students will utilize math and science concepts combined with the operation of tools and machines to develop solutions to bring thoughts and ideas to life with the use of hands-on activities. The students will utilize the engineering design process to design, produce, test and analyze. A strong emphasis is placed on mathematics, science and physics and their relation to technology. Principles of aerodynamics, hydrodynamics, hydraulics, pneumatics, simple machines, and mechanical advantage will be explored through designing and building projects in a competitive setting. Projects will include a CO2 powered race car, boat hull design, structure design, mousetrap powered vehicle, and glider design. All aspects of safety will be stressed throughout the course. This course is designed to prepare the student for a career in an engineering or technical field.

MATHEMATICS





FHS Mathematics Course Outline (Incoming Middle School Classes Shaded)







* - Classes with 0.06 Added GPA Weight
 ** - Classes with 0.12 Added GPA Weight
 "Doubling Up" Requires the Student to Enroll in Both Honors Geometry and Honors Algebra II
 Students May Follow the Arrowed Paths if ALL Prerequisites are met

TITLE: <i>ALGEBRA I</i>	
Course Number: 0305	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Pre-Algebra	Grades: 9-12





Algebra I is a foundational course for Algebra II, Geometry, Trigonometry and Calculus. The course is a requirement for graduation. Course content includes, but is not limited to, the following: Operations with Real Numbers and Expressions; Solving and Graphing Linear Equations and Inequalities; Simplifying Radical Expressions and Solving Radical Equations; Coordinate Geometry and Data Analysis. Applications of this material and integration with other subject areas are also crucial in this course. Upon completing the course, students are required to take the Algebra I Keystone Exam.

TITLE: <i>ESSENTIALS OF ALGEBRA II</i>	   
Course Number: 0315	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Algebra I	Grades: 9-11





This course will expand upon algebraic concepts learned in Algebra I. Topics covered will include exploring various functions including: linear, absolute value, polynomial and quadratic. Other topics will include data analysis and probability, and an introduction to trigonometry. Real world applications will be investigated often and students will frequently be required to complete open-ended tasks on quizzes and exams. The course will also discuss various test taking tips for standardized tests along with reviewing eligible content for various standardized tests including Keystone Exams, SAT's and ACT's. Upon completion of the course students will be able to enter into Geometry. *Students will be scheduled for this course if they do not receive at least a 'Proficient' score on the Algebra I Keystone exam.*

TITLE: <i>GEOMETRY</i>	   
Course Number: 0307	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Algebra I <u>and</u> must pass the Algebra I Keystone Exam	Grades: 9-12





Students in this course will use an applied approach to develop skills and concepts in geometry. Algebra skills, "hands-on investigations", research, calculators and computers will be used to study properties and relationships of one, two and three- dimensional figures. The development of both inductive and deductive reasoning skills will be stressed. *Students may schedule for this course but will be moved to Essentials of Algebra II during the summer (if the Algebra I Keystone Exam was not passed during the previous school year).*

TITLE: <i>HONORS GEOMETRY (WEIGHTED)</i>	   
Course Number: 0327	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: “A” in Algebra I; must pass the Algebra I Keystone Exam; Recommended by the Algebra I Teacher	Grades: 9-12





Honors Geometry is designed for gifted/talented students who, by acceleration, have successfully completed Algebra I. Because of their above average ability and more extensive background in mathematics, this group will make a more in- depth examination of the content than the students enrolled in the regular geometry course. This will prepare them for advanced study in mathematics and the sciences.

TITLE: <i>ALGEBRA II</i>	   
Course Number: 0306	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Geometry or recommended by previous year’s math teacher	Grades: 9-12





Algebra II is a continuation and enlargement of material examined in Algebra I. The course is an elective for students who have successfully completed the required course of Algebra I and Geometry. The basic course content investigates the language of algebra and examines linear, quadratic and logarithmic functions and their inverses and graphs. The course emphasizes the techniques of algebra as a reflection of its structure, stresses concepts and reasoning, develops a familiarity with the understanding of algebraic proofs and explores the concepts of relations and functions.

TITLE: <i>HONORS ALGEBRA II (WEIGHTED)</i>	   
Course Number: 0313	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: “B” or better in Honors Geometry; “A” in Geometry; Recommended by previous year’s math teacher	Grades: 9-11





Honors Algebra II is a rigorous and accelerated course designed for students who have successfully completed Algebra I and Geometry at an exceptionally high level. This course is a continuation and extension of previous work in the honors course sequence. The enriched course content is presented in an incremental way examining functions (linear, quadratic, exponential, and logarithmic) as well as problem solving techniques and tools (graphs, matrices, systems).

TITLE: <i>ALGEBRA III / TRIGONOMETRY</i>	   
Course Number: 0332	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Geometry and Algebra II	Grades: 11-12




Algebra III/Trigonometry is an elective course that is offered to those students who have successfully completed Geometry and Algebra II and who have demonstrated that they are prepared to study college level mathematics. The content of this course will include algebraic and trigonometry concepts. The material is designed to prepare students for probability and statistics, pre- calculus, or college algebra. Its practical applications make it suitable for those students interested in technical careers or majors that do not require college level Calculus. This course is recommended for college bound senior or junior students who have achieved a grade of “C” or better in Algebra II and Geometry. This course may be taken instead of Pre-Calculus/Trigonometry after Honors Algebra II if the student is not fully prepared for the Pre-Calculus course.

TITLE: <i>HONORS CALCULUS (WEIGHTED)</i>	   
Course Number: 0320	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: “B” or better in Precalculus/Trigonometry; Recommended by the Precalculus/Trigonometry Teacher	Grades: 11-12




This rigorous, elective course in sequence with Precalculus/Trigonometry will enable the student to complete a typical first-year Calculus course. The course will cover elementary functions, limits, derivatives of algebraic and transcendental functions, and various forms of integration with application.

TITLE: <i>HONORS PRECALCULUS / TRIGONOMETRY (WEIGHTED)</i>	   
Course Number: 0349	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: “B” or better in <i>both</i> Honors Algebra II and Honors Geometry; “A” in Algebra III/Trigonometry	Grades: 10-12


This is a rigorous course for the accelerated mathematics student. It requires a strong foundation in Honors Algebra II and Honors Geometry. Major emphasis is placed on algebraic concepts and analysis of curves, functions, and graphing techniques. This course also contains a study of Trigonometry from the circular and right triangle perspective. The analysis of conic sections and other geometric curves from a coordinate point of view is also studied. This is a pre-requisite course for both Calculus and AP Calculus AB (CHS). Students who experience difficulty in this course have Algebra III/Trig as an option for their year of mathematics.

TITLE: <i>A.P. CALCULUS AB (CHS) (WEIGHTED)</i>	  
Course Number: 0311	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: 85% or better in Precalculus/Trigonometry; “B” or better in Honors Calculus; Recommended by Precalculus/Trigonometry or Honors Calculus Teacher	Grades: 11-12


This rigorous, elective course in sequence with Precalculus/Trigonometry will enable the student to take the required AP exam (AB) for potential college credit and/or placement. Because of the rigor and fast pace, only those students with a high level of achievement in previous math courses and the recommendation of the Precalculus/Trigonometry teacher will be accepted. The course will cover elementary functions, limits, derivatives of algebraic and transcendental functions, various forms of integration, differential equations, area and volume, and parametric. The use of a graphing calculator (TI-84 Plus) is often required to solve certain problems but will not be allowed for various assessments. Students will have the ability to enroll for credit at Seton Hill University (3 credits). Students will be required to take the AP Exam (cost is covered by FASD) if they do not choose the option of taking credit through Seton Hill University. Summer work is required.

TITLE: <i>A.P. STATISTICS (WEIGHTED)</i>	  
Course Number: 0351	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Honors Algebra II (“B” or better)	Grades: 12

AP Statistics is a very rigorous, year-long statistics course designed for students who have successfully completed Honors Algebra II. The goal of this AP Course is to introduce students to the major concepts and tools for collecting, Analyzing, and drawing conclusions from data. This course will cover four themes as outlined by the College Board: Exploring Data: Describing Patterns and Departures from Patterns; Sampling and Experimentation: Planning and Conducting a Study; Anticipating Patterns: Exploring Random Phenomena Using Probability and Simulation; and Statistical Inference: Estimating Population Parameters and Testing Hypotheses. A graphing calculator is required for this course. TI-83 Plus, TI-84, or TI-nspire are recommended models. Summer work is required.


TITLE: <i>PROBABILITY / STATISTICS</i>	
Course Number: 0346	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Algebra II	Grades: 12

Probability and Statistics is a rigorous, year-long course designed to expose students to four broad conceptual themes: Data Collection, Data Description and Analysis, Probability, and Statistical Inference. Students will explore and analyze data in order to observe patterns, interpret results, and predict outcomes. Students will also gain valuable problem solving skills in fundamental statistics and probability with the goal of recognizing the impact and influence of statistics in multiple areas of daily life. Topics discussed include, but are not limited to: Statistics, Descriptive Analysis of Single Variable and Bivariate Data, Probability, Probability Distributions, Sample Variability, and Statistical Inferences. This class will carry a strong emphasis on the use of current technology.


TITLE: <i>A.P. CALCULUS BC (CHS) (WEIGHTED)</i>	
Course Number: 0314	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: 85% or better in AP Calculus AB; Recommendation from AP Calculus AB/CHS Calculus Teacher	Grades: 12

This very rigorous, elective course in sequence with AP Calculus AB will enable the student to take the required AP exam (BC) for college credit and/or placement. The AP Calculus BC Exam allows the student to receive a score for both the AB and BC course. Because of the rigor and fast pace, only those students with a high level of achievement in previous math courses and the recommendation of the AP Calculus AB/CHS Calculus teacher will be accepted. The course will review AP Calculus AB concepts such as elementary functions, limits, derivatives of algebraic and transcendental functions, and basic integration with some application to differential equations and area and volume. The course will cover elementary vector and parametric functions, rigorous definitions of limits, derivatives of algebraic, transcendental, vector and parametric functions, integration involving area, volume, trigonometric substitution and integration by parts and by partial fractions, and sequences and series. The use of a graphing calculator (TI-84 Plus) is often required to solve certain problems. Summer work is required.


MEDIA COMMUNICATIONS

TITLE: <i>TV NEWS PRODUCTION</i>	
Course Number: 0841	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 9-12


In this course students will produce the morning announcements. It is designed to develop and enhance communication skills through the broadcast medium. Students will work on the daily morning announcements program, “You’re Watching Bee-TV”. Students will be required to master studio equipment as well as field production equipment. In addition, students will produce various projects such as public service announcements, commercials, live events, which will enhance their knowledge of the television production process. All student productions will air on our school district’s cable access channel and VOD website.

TITLE: <i>DIGITAL EDITING (C)</i>	
Course Number: 0842	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 10-12

In this course students will learn how to edit self-produced material on a computer based editing system. The course is designed to foster creativity and develop editing skills. Students will learn how to edit video segments, via Final Cut Pro on iMac computers. Students will also learn camera techniques. Students will learn all aspects of production from pre production (planning) to production (filming) to post-production (editing). Students will also explore the following software programs iMovie, Apple Motion, Garage Band, Sound Wave, Anime Studio Pro Animation and QuickTime. Students will also work on several PC based software programs. Students will produce several different projects such as producing music videos, news features, film shorts and live productions. This course also explores writing and other communication skills. All student productions will air on our school district’s cable access channel and at <https://www.freeport.k12.pa.us/FAHS/Content2/beety>. *This course fulfills the required, additional computer credit.*


TITLE: <i>DOCUMENTARY FILM (C)</i>	
Course Number: 0843	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 11-12

Students in this course will study filmmakers and their work. Students will critique documentary films while gathering knowledge of film techniques to produce their own full format documentary. Students will learn camera techniques, interview tactics, story-telling, and editing with Final Cut Pro. In addition, students will learn all the aspects of how to write a screenplay. All student productions will air on our school district's cable access channel and VOD website. In addition to producing documentary films, students work on other projects such as talk shows and music specials, which will emphasize on-air talent skills and writing skills. *This course fulfills the required, additional computer credit.*


TITLE: <i>BROADCAST MEDIA</i>	
Course Number: 0844	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: TV News Production, Digital Editing, Documentary Film, & Teacher Recommendation Only	Grades: 12

Students in this course will be responsible for editing and programming the school's morning announcements program. In addition, students will be assisting in the daily programming and scheduling of programs for our school's cable channel and VOD website. Students will learn how to create visuals for advertising via the program PhotoScape. In addition to the daily programming and editing duties, students will produce larger-scale productions such as the musical special, Unbuzzed, Senior Class Video, Best of Skits, etc. Students may also get the opportunity to direct a live production.


MUSIC

TITLE: <i>BAND 9-10 (A/H)</i>	
Course Number: 0808	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Ability to play a wind and/or percussion instrument as determined by the Band Director. <i>*Underclassmen Band is a prerequisite course in order to participate in <u>all</u> instrumental music ensembles as an instrumentalist, including Marching Band and Musical Pit Orchestra. This includes students enrolled in the Band/Choir (grades 9-12) or Honors Band/Choir course (grades 10-12).</i>	Grades: 9-10


Underclassmen Band provides the students with a high level of instrumental music education. The band will perform a variety of traditional, popular, and contemporary works that have been written for the wind band setting. Students should be aware that some events may occur outside of the regular school day, including performances and dress rehearsals. This is a co-curricular activity. This course will mix Concert Band, Jazz Band, and chamber music styles throughout the school year.

TITLE: <i>BAND 11-12 (A/H)</i>	
Course Number: 0827	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Ability to play a wind and/or percussion instrument as determined by the Band Director. <i>*Upperclassmen Band is a prerequisite course in order to participate in <u>all</u> instrumental music ensembles as an instrumentalist, including Marching Band and Musical Pit Orchestra. This includes students enrolled in the Band/Choir (grades 9-12) or Honors Band/Choir course (grades 10-12).</i>	Grades: 11-12


Upperclassmen Band provides the students with the highest instrumental music and aesthetic education. The band will perform a variety of traditional, popular, and contemporary works that have been written for the wind band setting. Students should be aware that some events may occur outside of the regular school day, including performances and dress rehearsals. This is a co-curricular activity. This course will mix Concert Band, Jazz Band, and chamber music styles throughout the school year.

TITLE: <i>BAND/CHOIR (A/H)</i>	
Course Number: 0823 (11th/12th); 0830 (9th/10th)	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Instrumentalist and Vocalist Prerequisites: Ability to play a wind/percussion instrument as determined by the Band Director, as well as approval by the Choir Director.	Grades: 9-12


Students that are scheduled for this class will split time between instrumental and vocal ensembles, as determined by the Band and Choir Directors. Students should be aware that events may occur outside of the regular school day, including concerts and dress rehearsals. All expectations and prerequisites, as noted in the individual ensemble syllabi, will apply for the individual student. This is a co-curricular activity.

TITLE: <i>HONORS BAND/CHOIR (A/H) (WEIGHTED)</i>	
Course Number: 0809 (11th/12th); 0814 (9th/10th)	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Instrumentalist and Vocalist Prerequisites: Ability to play a wind/percussion instrument as determined by the Band Director as well as successful completion of an acceptance audition, which includes performance of sight-read musical passages sung using proper Solfeggio syllables and hand signs as well as a passing score of 80% or higher on a music theory assessment.	Grades: 10-12


Students that are scheduled for this course will participate in both choral and instrumental ensembles for weighted credit, with supplemental coursework determined by the student, band director, and choir director. Students enrolled in this course are provided an opportunity to broaden their music education while earning weighted credit for supplemental work. All prerequisites and course requirements for Mixed Chorus or Concert Band (grades 9- 10), or Concert Choir and Concert Band (grades 11-12) will apply. Supplemental coursework may include (but is not limited to) auditioning for County Choir, Alle-Kiski Honors Band, PMEA festivals, and other events; personalized research projects; attendance at “outside” concerts; playing or singing assessments; peer teaching (MS/Elem); and student recitals. Formal course requirements will be provided and individually assigned. This is a co-curricular activity.

TITLE: <i>CHOIR 9-10 (A/H)</i>	
Course Number: 0815	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 9-10


Choir 9-10 enables the vocal musician to broaden their choral skills through increasingly challenging repertoire. Choir 9-10 focuses on proper vocal techniques that develop the natural voice. Students develop sight-singing skills using the Solfeggio method. Students develop appropriate choral musicianship, including proper vowel shape, breath control, and to sing in the style of the composition. Students are exposed to a wide variety of choral literature, and choral students in grade 10 are eligible to participate in PMEA choral festivals throughout the state. Choir 9-10 is a co-curricular activity. Participation in both the holiday and spring concerts is required, and one after- school dress rehearsal is required for each concert.

TITLE: <i>CHOIR 11-12 (A/H)</i>	
Course Number: 0816	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 11-12


Choir 11-12 enables the vocal musician to continue to broaden their choral skills through increasingly challenging repertoire. Choir 11-12 continues the vocal techniques and skills developed in Chorus 9-10. Students further develop sight- singing skills using the Solfeggio method. Students develop appropriate choral musicianship, including balance and blend, the ability to use proper dynamics and phrasing, and to sing in the style of the composition. Students are exposed to a wide variety of choral literature. Students in Choir 11-12 are eligible to participate in PMEA choral festivals throughout the state. Choir 11-12 is a co-curricular activity. Participation in both the holiday and spring concerts is required, and one after- school dress rehearsal is required for each concert.

TITLE: <i>HONORS CHOIR (A/H) (WEIGHTED)</i>	
Course Number: 0813 (11th/12th); 0817 (9th/10th)	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Successful completion of an acceptance audition, which includes performance of sight-read musical passages sung using proper Solfeggio syllables and hand signs as well as a passing score of 80% or higher on a music theory assessment.	Grades: 10-12


Students enrolled in this course are provided an opportunity to broaden their music education while earning weighted credit for supplemental work. All prerequisites and course requirements for Mixed Chorus (grades 9-10) or Concert Choir (grades 11-12) will apply. Supplemental coursework may include (but is not limited to) auditioning for County Choir, PMEA festivals, and other events; personalized research projects; attendance at “outside” concerts; singing assessments; peer teaching (MS/Elem); and student recitals. This is a co-curricular activity.

TITLE: <i>HONORS BAND (A/H) (WEIGHTED)</i>	
Course Number: 0812 (11th/12th); 0818 (9th/10th)	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: Successful completion of an approved audition (if needed) as well as the mandatory Contract Agreement, provided in late spring of the prior school year. Students must participate in both in-school instrumental performance groups to take this course (Concert Band and Jazz Band).	Grades: 10-12


Students enrolled in this course are provided an opportunity to broaden their music education while earning weighted credit for supplemental work. All prerequisites and course requirements for instrumental ensemble groups will apply. Supplemental coursework may include (but is not limited to) participating in County Band, AKV Honors Band, PMEA festivals, and other events; attendance at “outside” concerts; peer teaching (MS/Elem); and student recitals. This is a co-curricular activity.

TITLE: <i>MARCHING BAND (A/H)</i>	
Course Number: 0807	Credit: .50
Periods: Summer and After-School Schedules (this is a co-curricular course)	Offered: 1st Semester
Prerequisites: Ability to play a wind and/or percussion instrument as determined by the Band Director. <i>*Underclassmen Band (grades 9-10) or *Upperclassmen Band (grades 11-12) is a prerequisite course in order to participate in <u>all</u> instrumental music ensembles as an instrumentalist, including Marching Band and Musical Pit Orchestra. An exception is students enrolled in the Band/Choir or Honors Band/Choir course.</i> <i>Color Guard and Majorette Prerequisite:</i> ability to successfully complete and pass the approved Auxiliary Audition in the previous spring semester. Specific requirements are reviewed at a mandatory informational meeting in spring annually.	Grades: 9-12

Marching Band provides the students with a high music and aesthetic education in an outdoor and out-of-school setting. The band will perform a variety of musical works that have been written for the marching band setting. Students should be aware that all events will occur outside of the regular school day, including rehearsals, festivals, and any other performances. A detailed Handbook will serve as the Course Syllabus, provided in spring for the upcoming school year. This course is co-curricular with significant after school responsibilities.


TITLE: <i>MUSIC AND TECHNOLOGY (A/H)(C)</i>	
Course Number: 0824	Credit: .50
Periods: 6 per cycle	Offered: Year
Prerequisites: None (music experience is helpful)	Grades: 10-12

This course fulfills the Semester Requirement for the half-credit of a Computer Course. Music Technology starts with an introduction to basic music technology applications. This course is hands-on study of music technology as a creative tool and as a musical instrument, incorporating basic technological tools used by a desktop musician. *This course fulfills a portion of the computer credit requirement.*


TITLE: <i>STAGECRAFT DESIGN (A/H)</i>	
Course Number: 0836	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisites: None	Grades: 9-12

Stagecraft Design provides instruction and training for students interested in stage design and theatrical technical elements with an emphasis on producing theater. This includes, but is not limited to, designing and constructing sets, hanging and focusing lighting instruments, light board operation, sound cue production and operation, prop making, budgeting and purchasing operations, safety protocols, and house management for school and outside theater productions. Students will practice and develop skills in each design area including script analysis, research, design, and implementation through their participation in theatrical productions. Students will apply knowledge of proper stage design practices in creating and producing a variety of theatrical productions. Students will develop problem solving, critical thinking, and leadership skills through participation in a variety of collaborative design, construction and managerial positions. Students will create and maintain a professional portfolio which includes sketches, annotated research, pictures, and written reflections of completed design projects. *Stagecraft Design is a co-curricular activity.* Participation in the evening stage crew is required. *This course may be taken more than once.*


SCIENCE

TITLE: <i>BIOLOGY I</i>	
Course Number: 0140	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: None; (Any 9 th grade student taking Biology must have passed Geometry in 8 th grade and be enrolled in Algebra II in 9 th grade.)	Grades: 9-10


Throughout the course, students will receive a comprehensive, systems-based introduction to a number of core topics within the vast discipline of Biology. Topics covered include: cells and cell processes, energetics, genetics and protein synthesis, and ecology and evolution. Lab work is hands-on and designed to complement the curriculum sequence. The course culminates with the state-mandated Keystone Biology exam in May. Any 9th grade student taking Biology must have passed Geometry in 8th grade and be enrolled in Algebra II in 9th grade.

TITLE: <i>HONORS BIOLOGY II (WEIGHTED)</i>	
Course Number: 0141	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: "C" or better in Biology I	Grades: 10-12


Honors Biology II is an elective course offered to upperclassmen interested in the biological sciences and related fields and who intend to further their careers in some area of the biological sciences. This course is designed to give students a detailed, as well as practical working knowledge of Cell/Molecular Biology. Honors Biology II provides the Cell/Molecular foundations necessary for students to pursue all biological disciplines, examining in-depth the mechanisms and interactions underlying all of Biology. From botany and microbiology, to genetics and medicine, this course provides a comprehensive exploration into the cellular foundations underlying all life sciences. During the course, students will pursue a lecture/lab sequence challenging them to engage topics at the college-level, while laying a strong groundwork for juniors who wish to advance to AP Biology. Following this course, all students should be well-prepared to advance to introductory college Biology, whether taken at the major or non-major level.

TITLE: <i>A.P. BIOLOGY (WEIGHTED) (CHS)</i>	
Course Number: 0119	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: Chemistry I (Recommended: Honors Biology II (Advanced Biology), or taking both courses concurrently)	Grades: 12


AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology course. Content will be covered in more depth, and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. The College Board has recently expanded emphasis on scientific thinking and analytical thinking. The course is structured to allow for significant class time for labs and discussions. Students will begin the course with a comprehensive summer assignment that reviews previous content knowledge and introduces new terms and concepts. *All students who enroll in AP Biology are expected to take the AP Exam at the end of the year.*

TITLE: <i>CHEMISTRY I</i>	
Course Number: 0142	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: Biology; recommended only for students who have achieved a “C” average or better in Algebra I	Grades: 10-12



Chemistry is the most central of sciences and studies the composition, structure, and properties of matter. It is involved with natural and physical processes occurring biologically, on the Earth, in the oceans, and throughout the atmosphere. The chemical industry provides material for food, clothing, and shelter, drugs to combat disease, and processes to provide energy for societal needs. Chemistry is playing an ever-increasing role in our society, and this class will give you an introduction to the role of Chemistry. The topics covered include scientific methodology, measurement systems, matter and energy, atomic structure, properties of the periodic table, electron configurations, chemical bonding, chemical formulas, chemical equations, stoichiometry, chemical reactions, phases of matter, gas laws, solutions, and acid-base chemistry. Problem-solving skills will be implemented throughout the duration of this course.

TITLE: <i>HONORS CHEMISTRY II (WEIGHTED)</i>	
Course Number: 0143	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: "B" or better in Chemistry I	Grades: 11-12



Chemistry II is an upper-level elective course offered to students who are interested in pursuing a career in Chemistry, medical, engineering, or related lab tech field. Students will build upon previous concepts from the general Chemistry course and discover its real-world applications and interactions within other disciplines of science. An emphasis will be placed on how to collect, record, and analyze data in both the laboratory and non-laboratory setting. Critical lab skills will be learned throughout each laboratory experiment conducted. Extensive problem-solving skills will be applied to various mathematical relationships involved in stoichiometry, solutions, and acid-base chemistry. Students will conclude the course by conducting an "unknown" laboratory analysis in which they will conduct a series of tests on a mixture of chemicals and identify the individual components. This course is designed to enhance the student's problem-solving, critical thinking, and laboratory skills while offering the chance to be more competitive at the collegiate level.

TITLE: <i>ENVIRONMENTAL SCIENCE</i>	
Course Number: 0106	Credit: 1.00
Periods: Daily	Offered: Year
Prerequisite: None	Grades: 11-12


Environmental Science is an elective course offered to those juniors and seniors who have an interest in the environment and outdoor education. The aim of the course is to provide the student with a basic understanding of the laws and principles that govern Environmental Science. Topics include: food webs and energy transfer throughout the ecosystem, the biomes and biodiversity of the Earth, population dynamics, endangered species, and pollution of air, land and water. Laboratory activities and classroom discussions are designed to better develop the student's understanding of the environmental issue being addressed. Emphasis is not only placed on the current environmental problems that exist within our world, but emphasis is also placed on methods of conservation established within the guidelines of Environmental Science. It is hoped that through this class, each student will develop better insight into the importance of maintaining a clean and balanced environment through the major biological principles pertinent to Environmental Science.

TITLE: <i>HONORS ENVIRONMENTAL GEOLOGY (WEIGHTED)</i>	 
Course Number: 0146	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: Geometry	Grades: 11-12


Honors Environmental Geology is a course that refers particularly to geology as it relates directly to human activities. Throughout this course the emphasis of study will be on the physical constraints imposed on human activities by the geologic processes that have shaped and are still shaping our natural environment. Because geology does not exist in a vacuum, this course will introduce related considerations from outside geology to clarify various ramifications of the topics discussed throughout this course. Topics to be covered by this course will include Earth materials and structures, the effects of human population on the environment, environmental hazards such as volcanoes, earthquakes, and floods, energy resources and their exploitation, natural resources, land-use planning and resource law. Each of the above topics will be studied from a global perspective, paying particular attention to their importance in Pennsylvania.

TITLE: <i>HUMAN ANATOMY AND PHYSIOLOGY (WEIGHTED)</i>	 
Course Number: 0117	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: "C" average or better in Biology	Grades: 11-12





Human Anatomy and Physiology explores the organ systems comprising the human body emphasizing physiological mechanisms through an understanding of human anatomy. In examination of the physiology in each body system, students will gain an understanding of how the body successfully maintains an internal homeostatic balance. Students will also examine diseases and conditions affecting the human body. This course is designed for students who plan to enter the health sciences and pursue a career in the medical field. Students will begin the course by completing a summer assignment encompassing a comprehensive review of basic biological principles and will be tested on this material at the start of the school year. Throughout the year students will complete lab reports, dissections, case studies, and monthly article reviews. Upon completion of the course, students will have a solid foundation upon which to advance studies in medicine.

TITLE: <i>INTEGRATED SCIENCE</i>	
Course Number: 0124	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: None	Grades: 9




In Integrated Science, students will explore the many disciplines related to our planet and its geologic, physical, chemical, and biological processes. It will contain a variety of activities based on the structure and changes of matter and energy and how they affect the physical world in which we live. The topics studies will include introductory concepts from Chemistry, Physics, Earth and Space, and Environmental Science. In the simplest terms, Integrated Science will be a combined study of what things are made of and how they change naturally with time on this planet.

TITLE: <i>INSIDE THE HUMAN BODY (WEIGHTED) (ELECTIVE)</i>	
Course Number: 0148	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisites: “C” average or better in one of the following courses: Human Anatomy and Physiology, Advanced Biology, or A.P. Biology; or, recommendation by previous year’s science teacher	Grades: 11-12

Inside the Human Body is a course offered as an extension of Human Anatomy and Physiology and is designed for those students who plan to further their education in the field of medicine. Students will have the opportunity to explore the anatomy and physiology of each of the organ systems of the human body with emphasis placed upon the following body systems: the respiratory system, endocrine system, lymphatic system, digestive system, urinary system, and reproductive system.


TITLE: <i>PHYSICS I</i>	   
Course Number: 0144	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: Algebra II (may be taken concurrently)	Grades: 10-12

This course is designed to give the student a foundation in the general principles and theories of physics. Areas of concentration will include motion, energy, structure of matter, heat, wave phenomena (including sound and optics) electricity and magnetism. Laboratory experiences and in-depth problem solving is emphasized in all these areas, utilizing Algebra, Geometry, and Trigonometry. All mathematical tools needed for success in this class are addressed in this class.

TITLE: <i>HONORS PHYSICS II (WEIGHTED)</i>	  
Course Number: 0145	Credit: 1.00
Periods: 8 per cycle	Offered: Year
Prerequisites: Physics I (Prerequisite of Physics may be waived for a senior who has had or is taking Calculus.); Completion of Pre-Calculus/Trigonometry or Alg III/Trigonometry a “B” average or better is recommended.	Grades: 11-12





The project and laboratory-oriented course provides an opportunity for the student to build upon prior knowledge and experience in Physics by supporting and encouraging the following goals:

1. Physics knowledge – Basic knowledge of the discipline of physics, including phenomenology, theories and techniques, concepts and general principles.
2. Problem solving – Ability to ask physical questions and to obtain solutions to physical questions by use of qualitative and quantitative reasoning and by experimental investigation.
All mathematical tools needed for success in this class are addressed in this class
3. Student attributes – Fostering of important student attributes, including appreciation of the physical world and the discipline of physics, curiosity, creativity, and reasoned skepticism.
4. Connections – Understanding connections of physics to other disciplines and to social issues





TITLE: <i>METEOROLOGY AND CLIMATOLOGY (ELECTIVE)</i>	
Course Number: 0147	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisites: Algebra II	Grades: 11-12

Meteorology and Climatology will serve as an introductory course to the various physical processes underlying atmospheric and weather phenomena, including concepts related to global climate change, and the impacts of weather and climate on society. This course will introduce students to basic concepts involved in the analysis of weather phenomena on a global and local scale. Particular attention will be devoted to the analysis and interpretation of local weather charts and diagrams with the goal of creating regular classroom and school weather reports. With perspective in mind, this course will also study Earth's climate through an analysis of climatic controls, classification schemes and feed-back cycles, including an examination of past global climates and global climate change scenarios. Topics addressed include makeup of the atmosphere, seasonality, heat and radiation balance, temperature, moisture and atmospheric stability, air pressure and wind, air masses and weather patterns, severe weather, instrumentation, local weather analysis and forecasting, as well as, the history of climate change.



SOCIAL STUDIES

TITLE: <i>UNITED STATES HISTORY II</i>	   
Course Number: 0491	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 9





The ninth grade U.S. History course continues where the eighth grade U.S. History course ends (Civil War Reconstruction) with the Gilded Age (1870s) and covers to the end of World War II. The course is designed to expose the student to the political, economic and social developments which have shaped our nation during this time span.

TITLE: <i>UNITED STATES HISTORY III</i>	   
Course Number: 0493	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 10



The tenth grade U.S. History course continues where the ninth grade U.S. History course ends. A brief review of World War II's impact will introduce students to the coming Cold War and the emergence of the United States as a superpower. Domestic and foreign policy will be dealt with, as will social and technological changes that shaped our America in the second half of the 20th century. A discussion of current issues will complete the year's studies.

TITLE: <i>WESTERN CIVILIZATION</i>	 
Course Number: 0495	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 11




Western Civilization will survey the instrumental people, ideas, movements, as well as cultural and technological innovations that shape the modern Western World today. Beginning in the Classical period, the course will quickly progress to include the Renaissance, Reformation, Age of Exploration, Enlightenment, Age of Revolutions, Industrialization, Imperialism, and the Global Conflicts and Challenges of the 20th and 21st centuries. A variety of assessment tools will help students evaluate and place case studies in a broader global context, identify continuities and changes over time, and analyze causation of important historical events and movements.

TITLE: <i>A.P. WORLD HISTORY (WEIGHTED)</i>	   
Course Number: 0482	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: “B” or better in previous Social Studies course; recommendation from previous year’s Social Studies teacher	Grades: 11



The Advanced Placement course in World History is designed to provide students with the skills and practical knowledge necessary to deal critically with the problems and issues in World History. The course content is structured around the investigation of five course themes and 19 key concepts in six different chronological periods, from approximately 8000 BCE to the present. Course themes include: Interaction between humans and the environment, development and interaction of cultures, state-building, expansion, and conflict, creation expansion, and interaction of Economic Systems, and the development and transformation of social structures. A minimum of one hour outside preparation is expected for each class period. Students enrolled in AP courses will be required to take AP Examinations. Significant summer work is also required.

TITLE: <i>GOVERNMENT / ECONOMICS</i>	 
Course Number: 0404	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: None	Grades: 12



The "Government/Economics" course is required for the 12th grade student. Modern concepts and problems within American society are the major points of emphasis in this course. Content areas, which this course is designed to expose and examine, are macroeconomics and microeconomics, government, societal dynamics (with its multiple challenges), race relations, policy-making and the law. This course is designed to build upon and extend the students' knowledge base of American National Government; thus promoting an understanding of these subject/problem/issue areas into modern times and their applicability.

TITLE: <i>HONORS GOVERNMENT (WEIGHTED) (CHS)</i>	  
Course Number: 0405	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisites: "C" or better in A.P. World History; recommendation of previous year's Social Studies teacher	Grades: 12

The Honors Government course is designed for the academically talented and/or gifted student, as well as the student who has an intense interest in the study of government. This course emphasizes the abstractual/conceptual basis of the study of government. The dynamics of international, national, state and local government and economics are interrelated. The processes of analysis and synthesis (written/oral) are stressed. Concrete examples/experiences are also an integral component of this course, giving the student the opportunity to study and to interrelate concepts with examples in history and in current governmental situations. A summer reading assignment is a requirement for this class. It is the responsibility of the junior student to secure the summer assignment from the Honors Government teacher during the final week of school. The assignment is to be completed and due by the first day of class the following school year. A minimum of one hour outside preparation is expected for each class period. This course is reading and writing intensive.



TITLE: <i>PSYCHOLOGY (A/H)</i>	 
Course Number: 0420	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisites: None	Grades: 11-12

Psychology is the study of human behavior and the mental processes that create those behaviors. Psychology will introduce students to basic psychological theories and concepts designed to enhance their awareness of basic human activities. Psychology will focus its studies on human development from childhood to death. Topics included in this study will be learning skills, memory, intelligence, personality, stress, abnormal behaviors, and the formation of the human brain. In this elective, students will engage in a variety of activities to enhance their ability to understand psychology. Such activities will include memory games, learning tests, and personality profiles. Psychology is an excellent introductory course for those interested in attending college in the future.



TITLE: <i>SOCIOLOGY (A/H) (CHS)</i>	 
Course Number: 0415	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisites: None	Grades: 11-12

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. This elective course offers students to explore basic sociological ideas and principles at an introductory level. Students will investigate human behavior from a theoretical and real life perspective. A wide variety of topics will include social change, racism, crime, sexism, social conformity, family patterns and all current events relevant to the class.



VISUAL ARTS

TITLE: <i>INTRODUCTION TO VISUAL ART (A/H)</i>	 
Course Number: 0850	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: None	Grades: 9-12



Students will be exposed to basic drawing, painting, design, composition, ceramics, and art appreciation. A wide variety of art materials will be used so students can find success and confidence in many areas. Students will develop an aesthetic understanding of various art forms, and be able to evaluate, perform and respond critically to the visual arts. This semester-long course starts the Visual Arts course sequence for all students as well as an exploratory elective for 12th-grade students.

TITLE: <i>VISUAL ART I (A/H)</i>	 
Course Number: 0851	Credit: .50
Periods: 6 per cycle	Offered: 2nd Semester
Prerequisite: Introduction to Visual Art (semester)	Grades: 9-11



Students will be exposed to basic drawing, painting, design, composition, ceramics, digital photography, Adobe Photoshop and art appreciation. A wide variety of art materials will be used so students can find success and confidence in many areas. Students will develop an aesthetic understanding of various art forms, and be able to evaluate, perform and respond critically to the visual arts.

TITLE: <i>VISUAL ART 2A and 2B (A/H)</i>	 
Course Number: 0852 (2A); 0853 (2B)	Credit: .50 or 1.00
Periods: 6 per cycle	Offered: Semesters (A/B)
Prerequisite: Visual Art I with 80% score or better	Grades: 10-12



The student will further cover basic techniques in drawing, painting, sculpture, ceramics, print-making, digital photography, Adobe Photoshop and computer graphics. Procedures learned in Visual Art I will be further developed with an increased emphasis on technique. Major periods in art history will be introduced. *Students must take Semester A in order to schedule Semester B in the same school year. Class '2A' only meets during Semester 1, while Class '2B' only meets during Semester 1.*

TITLE: <i>VISUAL ART III (A/H)</i>	 
Course Number: 0803	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Visual Art I, 2A, & 2B with 80% score or better	Grades: 10-12



Students will apply the knowledge and skills learned in Art II toward more advanced projects. Three dimensional designs will be explored in more depth. Architecture, sculpture, ceramics, digital photography, Adobe Photoshop, computer animation and painting and drawing will be emphasized. Students will be exposed to individual artists from major art movements.

TITLE: <i>VISUAL ART IV (A/H)</i>	 
Course Number: 0854	Credit: 1.00
Periods: 6 per cycle	Offered: Year
Prerequisite: Visual Art I, 2A, 2B, & III with 80% score or better	Grades: 12

Students in independent visual art will complete six well-planned and artistically executed projects per grading period. All works will be original works of art created by the student with minimal assistance. Honors Visual Art IV students will create a comprehensive portfolio that will be presented in both digital and physical format.

TITLE: <i>CERAMICS I (A/H)</i>	 
Course Number: 0855	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Visual Art I with 80% grade or better	Grades: 10-12

In Ceramics students will be exposed to a more in-depth look at the world of ceramics. This semester-long class would include information on the composition of clay, the chemical compounds in glaze, the molecular changes that occur in the kiln as well as how to operate the kiln, hand build, throw on the wheel, and glaze. Students will be expected to complete a variety of functional and nonfunctional art based pieces.

TITLE: <i>CERAMICS II (A/H)</i>	 
Course Number: 0806	Credit: .50
Periods: 6 per cycle	Offered: Semester
Prerequisite: Ceramics I with a “B” grade or better	Grades: 10-12

Honors Ceramics 2 will be a semester course that will build on the skills learned in Ceramics 1. Students will learn to fire the kiln independently, learn advanced throwing, and advanced hand-building techniques. Students in Honors Ceramics 2 must create one independent project per grading period in addition to their class assignments.

COMPLETE COURSE LISTING

BUSINESS, COMPUTER, & INFORMATION TECHNOLOGY

COURSE #	COURSE TITLE	CREDIT
0391	MICROSOFT OFFICE SPECIALIST CERTIFICATION I (C)	.50
0392	MICROSOFT OFFICE SPECIALIST CERTIFICATION II (C)	.50
0376	WEB DESIGN (C)	.50
0386	GRAPHIC DESIGN (C)	.50
0508	ENTREPRENEURSHIP	.50
0503	INTRO TO ENTREPRENEURSHIP	.25
0509	ACCOUNTING I (C)	1.00
0510	HONORS ACCOUNTING II (C)(CHS) (WEIGHTED)	1.00
0511	HONORS ACCOUNTING III (C)(CHS) (WEIGHTED)	1.00
0360; 0375	HONORS INTRODUCTION TO PROGRAMMING WITH JAVA (C) (CHS IS WEIGHTED, FULL YEAR ONLY)	.50 (non-CHS); 1.00 (CHS)
0383; 0384	COMPUTER/INFORMATION SCIENCE PRINCIPLES (C) (CHS IS WEIGHTED, FULL YEAR ONLY)	.50 (non-CHS); 1.00 (CHS)
0393	INTRODUCTION TO CYBER SECURITY (C)	.50

CAREER-BASED & INTERNSHIPS

COURSE #	COURSE TITLE	CREDIT
0531	SCHOOL TO CAREER	1.00
0533; 0534	INTERNSHIP	.50 OR 1.00

DISTANCE EDUCATION

COURSE #	COURSE TITLE	CREDIT
N/A	DISTANCE EDUCATION	1.00

ENGLISH

COURSE #	COURSE TITLE	CREDIT
0202	ENGLISH 9	1.00
0222	HONORS ENGLISH 9 (WEIGHTED)	1.00

0204	ENGLISH 10	1.00
0225	HONORS ENGLISH 10 (WEIGHTED)	1.00
0205	ENGLISH 11	1.00
0226	HONORS ENGLISH 11 (WEIGHTED)	1.00
0207	ENGLISH 12	1.00
0227	HONORS ENGLISH 12 (WEIGHTED)	1.00
0228	A.P. ENGLISH 12 (WEIGHTED)	1.00
0212	PUBLIC SPEAKING	.50
0218	CREATIVE WRITING I (A/H)	.50
0230	CREATIVE WRITING II (A/H)	.50
0219	ACTING AND DRAMATIC STRATEGIES I (A/H)	.50
0231	ACTING AND DRAMATIC STRATEGIES II (A/H)	.50
0229	ARGUMENT/RHETORIC (CHS) (WEIGHTED)	1.00

FAMILY & CONSUMER SCIENCE

COURSE #	COURSE TITLE	CREDIT
0501	CAREERS	.25
0709	CHILD DEVELOPMENT I (A/H)	.50
0711	CHILD DEVELOPMENT II (A/H)	.50
0716	CHILD DEVELOPMENT III (A/H)	1.00
0345	FINANCIAL MANAGEMENT	1.00
0706	FUNDAMENTALS OF CULINARY ARTS I (A/H)	.50
0717	FUNDAMENTALS OF CULINARY ARTS II (A/H)	.50
0715	ADVANCED CULINARY ARTS (A/H)	.50

FOREIGN LANGUAGE

COURSE #	COURSE TITLE	CREDIT
0601	FRENCH I (A/H)	1.00
0602	FRENCH II (A/H)	1.00

0606	HONORS FRENCH III (A/H)(CHS)(WEIGHTED)	1.00
0604	HONORS FRENCH IV (A/H)(CHS) (WEIGHTED)	1.00
0621	SPANISH I (A/H)	1.00
0622	SPANISH II (A/H)	1.00
0627	HONORS SPANISH III (A/H)(CHS)(WEIGHTED)	1.00
0624	HONORS SPANISH IV (A/H)(CHS)(WEIGHTED)	1.00

GIFTED & SPECIAL EDUCATION

COURSE #	COURSE TITLE	CREDIT
N/A	GIFTED EDUCATION	N/A
0950	LEARNING SUPPORT	0.00

HEALTH & PHYSICAL EDUCATION

COURSE #	COURSE TITLE	CREDIT
0909 (9th) 0910 (10th/11th)	PHYSICAL EDUCATION	.34 CREDIT (9TH) .33 CREDIT (10TH/11TH)
0904	ADAPTIVE PHYSICAL EDUCATION	.50; 1.00
0911	LIFETIME FITNESS AND ATHLETIC MANAGEMENT	.33
0905	HEALTH	.50

INDUSTRIAL TECHNOLOGY / ENGINEERING

COURSE #	COURSE TITLE	CREDIT
0733	ARCHITECTURAL, CIVIL, AND STRUCTURAL ENGINEERING	.50
0736	ELECTRONICS TECHNOLOGY	.50
0767	ENGINEERING, DRAWING, AND DESIGN (C)	.50
0738	HOME MAINTENANCE	.50
0795	INTRO TO TECHNOLOGY AND ENGINEERING	.25
0794	INTRO TO ROBOTICS ENGINEERING	.25
0798	MATERIALS ENGINEERING AND PROCESSES I	1.00
0796	MATERIAL ENGINEERING AND PROCESSES I	.50

0799	MATERIALS ENGINEERING AND PROCESSES II	1.00
0797	MATERIALS ENGINEERING AND PROCESSES II	.50
0763	ROBOTICS ENGINEERING	1.00
0764	TRANSPORTATION TECHNOLOGY	.50

MATHEMATICS

COURSE #	COURSE TITLE	CREDIT
0305	ALGEBRA I	1.00
0315	ESSENTIALS OF ALGEBRA II	1.00
0307	GEOMETRY	1.00
0327	HONORS GEOMETRY (WEIGHTED)	1.00
0306	ALGEBRA II	1.00
0313	HONORS ALGEBRA II (WEIGHTED)	1.00
0332	ALGEBRA III / TRIGONOMETRY	1.00
0320	HONORS CALCULUS (WEIGHTED)	1.00
0349	HONORS PRECALCULUS / TRIGONOMETRY (WEIGHTED)	1.00
0311	A.P. CALCULUS AB (CHS)(WEIGHTED)	1.00
0351	A.P. STATISTICS (WEIGHTED)	1.00
0346	PROBABILITY / STATISTICS	1.00
0314	A.P. CALCULUS BC (CHS)(WEIGHTED)	1.00

MEDIA COMMUNICATIONS

COURSE #	COURSE TITLE	CREDIT
0841	TV NEWS PRODUCTION	1.00
0842	DIGITAL EDITING (C)	1.00
0843	DOCUMENTARY FILM (C)	1.00
0844	BROADCAST MEDIA	1.00

MUSIC

COURSE #	COURSE TITLE	CREDIT
0808	BAND 9-10 (A/H)	1.00
0827	BAND 11-12 (A/H)	1.00
0823	BAND/CHOIR 11-12 (A/H)	1.00
0830	BAND/CHOIR 9-10 (A/H)	1.00
0809	HONORS BAND/CHOIR 11-12 (A/H)(WEIGHTED)	1.00
0814	HONORS BAND/CHOIR 9-10 (A/H)(WEIGHTED)	1.00
0815	CHOIR 9-10 (A/H)	1.00
0816	CHOIR 11-12 (A/H)	1.00
0813	HONORS CHOIR 11-12 (A/H)(WEIGHTED)	1.00
0817	HONORS CHOIR 9-10 (A/H)(WEIGHTED)	1.00
0812	HONORS BAND 11-12 (A/H)(WEIGHTED)	1.00
0818	HONORS BAND 9-10 (A/H)(WEIGHTED)	1.00
0807	MARCHING BAND (A/H)	.50
0824	MUSIC AND TECHNOLOGY (C)	.50
0836	STAGECRAFT DESIGN (A/H)	.50

SCIENCE

COURSE #	COURSE TITLE	CREDIT
0140	BIOLOGY I	1.00
0141	HONORS BIOLOGY II (WEIGHTED)	1.00
0119	A.P. BIOLOGY (CHS)(WEIGHTED)	1.00
0142	CHEMISTRY I	1.00
0143	HONORS CHEMISTRY II (WEIGHTED)	1.00
0106	ENVIRONMENTAL SCIENCE	1.00
0146	HONORS ENVIRONMENTAL GEOLOGY (WEIGHTED)	1.00
0117	HUMAN ANATOMY AND PHYSIOLOGY (WEIGHTED)	1.00
0124	INTEGRATED SCIENCE	1.00
0148	INSIDE THE HUMAN BODY (WEIGHTED)	.50

0144	PHYSICS I	1.00
0145	HONORS PHYSICS II (WEIGHTED)	1.00
0147	METEOROLOGY AND CLIMATOLOGY	.50

SOCIAL STUDIES

COURSE #	COURSE TITLE	CREDIT
0491	UNITED STATES HISTORY II	1.00
0496	UNITED STATES HISTORY III	1.00
0495	WESTERN CIVILIZATION	1.00
0482	A.P. WORLD HISTORY (WEIGHTED)	1.00
0404	GOVERNMENT / ECONOMICS	1.00
0405	HONORS GOVERNMENTS (WEIGHTED)(CHS)	1.00
0420	PSYCHOLOGY (A/H)	.50
0415	SOCIOLOGY (A/H)(CHS)	.50

VISUAL ARTS

COURSE #	COURSE TITLE	CREDIT
0850	INTRODUCTION TO VISUAL ART (A/H)	.50
0851	VISUAL ART I (A/H)	.50
0852 (A); 0853 (B)	VISUAL ART 2A & 2B (A/H)	.50 X 2
0803	VISUAL ART III (A/H)	1.00
0854	VISUAL ART IV (A/H)	1.00
0855	CERAMICS I (A/H)	.50
0806	CERAMICS II (A/H)	.50

TIMELINE FOR SCHEDULING

<i>January 2023 thru mid-February 2023</i>	<ul style="list-style-type: none"> ● H.S. Program of Study approved by Freeport School Board of Directors ● Class Meetings to Discuss Elective Course Interests <ul style="list-style-type: none"> ○ Students complete an Elective Course Interest form to gauge interest and help create a Master Schedule ● Individual meeting with core teachers (English, Math, Science, & Social Studies) to determine which core course to schedule for next school year
<i>February 2023 thru May 2023</i>	<ul style="list-style-type: none"> ● Administration creates a Master Schedule based off of student scheduling needs, interests, and future staffing ● Class meetings for students to understand the Master Schedule and start to schedule students (with help of School Counselors) ● Arena scheduling model will be utilized, where students are pulled through a lottery system to create their schedule based off of the Master Schedule and class seating availability. This model is subject to change based on student needs. If a student is absent on their assigned scheduling day, they will need to reschedule a time at the end of arena scheduling for their grade level (or later).
<i>May 26, 2023 thru June 25, 2023</i>	<ul style="list-style-type: none"> ● Course Add/Drop (by emailing School Counselor only) ● <i>Note:</i> Students are not guaranteed other course options if the course section is already full. Students cannot drop a course that is a graduation requirement (and another class is not available for movement). ● <i>Those students that are in <u>any</u> Honors or A.P. course will need to complete their summer assignments for an earned grade after June 25th.</i>
<i>June 26, 2023 thru the first student day of the school year</i>	<ul style="list-style-type: none"> ● No scheduling changes will be accepted. ● Keystone scores will arrive in mid-summer. School counselors will contact those families with students who did not score <i>Proficient</i> and will need to change their schedule to accommodate remediation courses.
<i>One week before the first student day...</i>	<ul style="list-style-type: none"> ● PowerSchool will be available for students to view schedules. It should reflect what was decided in Spring unless a School Counselor contacted the student/family during the summer.
<i>First <u>15</u> school days of the school year (late August)</i>	<ul style="list-style-type: none"> ● Course Add/Drop for Full-Year and Semester Courses (without penalty; by emailing School Counselor only) ● <i>Note:</i> Students are not guaranteed other course options if the course section is already full. Students cannot drop a course that is a graduation requirement (and another class is not available for movement).
<i>First <u>15</u> school days of the <u>Second Semester</u></i>	<ul style="list-style-type: none"> ● Course Add/Drop for 2nd Semester Courses Only (without penalty; by emailing School Counselor only) ● <i>Note:</i> Students are not guaranteed other course options if the course section is already full. Students cannot drop a course that is a graduation requirement (and another class is not available for movement).