

PINE GROVE AREA

High School

2025-2026

Course of Studies Guide



Promoting Growth, Achievement, Success and Direction for all Students

STUDENT SERVICES

Our school counselors are prepared to assist in all matters concerning course selections, report cards, student academic programs and post-secondary planning. Students and parents/guardians should consult with the school counselors throughout their student's time in the High School. If any questions concerning the above items or selection of courses for next year should arise, call the Counseling Office at (570) 345-2731 extension 216 to schedule an appointment. Preferably, a parent/guardian and the student should meet together with a counselor when discussing a student's course plan.

GRADUATION REQUIREMENTS

The graduation requirements for Pine Grove Area High School comply with Pennsylvania State Board of Education regulations.

Classes of 2026 and 2027:

Graduation Requirements include minimum credits in the following areas:

English	4.00 credits
Mathematics	4.00 credits*
Social Studies	4.00 credits
Science	3.00 credits**
Fitness/Health/Driver's Ed.	1.50 credits***
Technology/Business	1.00 credits****
Personal Finance	.50 credits*****

* A score of Proficient or Advanced on the Algebra Keystone Exam will meet the criterion standards to fulfill a fourth year Mathematics credit.

* Students who do not score at least Proficient on the Algebra Keystone Exam after their first attempt will be scheduled for a Math Essentials course the following school year.

* Students may choose to use a credit earned in Accounting or Personal Finance as one of the Math credits required for graduation.

** Students who do not score at least Proficient on the Biology Keystone Exam after their first attempt will be scheduled for a Principles of Biology course the following school year.

*** Students attending the **Schuylkill Technology Center for two or more semesters only need to complete one (1) credit in Fitness/Health/Driver's Education.**

**** Students attending the **Schuylkill Technology Center for two or more semesters will fulfill the Technology/Business credit requirement.**

*****The graduating class of 2027 is required to complete a Personal Finance class during their 11th-grade year.

Class of 2028 and 2029:

Graduation Requirements include minimum credits in the following areas:

English	4.00 credits
Mathematics	4.00 credits*
Social Studies	3.00 credits
Science	3.00 credits
Arts/Humanities	2.00 credits**
Fitness/Health/Wellness	1.00 credits
Personal Finance	0.50 credits
Career Readiness	0.50 credits***
Elective	5.00 credits
Total	23.00 credits

* Students who earn a credit in Accounting may use these credits to fulfill a Math credit.

Arts/Humanities: Any course in the Art, Music, or World Language departments. Any course in the English or Social Studies departments beyond those already required in each content area. Students attending the **Schuylkill Technology Center for two or more semesters will be exempt from Art/Humanities.

*** Career Readiness courses include: Exploring Careers in Science and Technology, Junior Seminar, Business and Technical Career Exploration, Computer/Career Applications and Your Employability Skills. Students attending the **Schuylkill Technology Center for two or more semesters will fulfill the Career Readiness credit requirement.**

PROMOTION REQUIREMENTS

Classes of 2026, and 2027:

In order to be promoted to the respective grade level, students must successfully earn the number of cumulative credits as indicated below:

To Grade 10	6.50 credits
To Grade 11	13.00 credits
To Grade 12	18.00 credits
For Graduation	26.00 credits

Classes of 2028 and 2029:

In order to be promoted to the respective grade level, students must successfully earn the number of cumulative credits as indicated below:

To Grade 10	6.50 credits
To Grade 11	13.00 credits
To Grade 12	18.00 credits
For Graduation	23.00 credits

HIGH SCHOOL COURSES TAKEN During the Middle School Years

Credits earned toward graduation begin with grade 9. Grade point average (GPA) is cumulative from grade 9 through grade 12. When courses which are traditionally viewed as predominantly high school level courses are taken at a middle school, a record of them can be attached to the high school transcript. However, no credit will be awarded and the grade earned will have no impact on the student's GPA for grades 9 through 12.

CORE COURSE SEQUENCING

English

English 9
English 10
English 11 or AP Language and Composition
English 12 or AP Literature and Composition

Social Studies

9 – US History
10 – World History or AP European History
11 – Civics or AP Government

Mathematics

<i>Pathway A</i>	<i>Pathway B</i>	<i>Pathway C</i>
Pre-Algebra	Algebra I	Algebra II
Algebra I	Algebra II	Geometry
Geometry/ Algebra II	Geometry	Elective
Elective	Elective	Elective

Science

Foundations in Science	Honors Biology
Biology	Chemistry
Elective	Elective

CLASS SCHEDULE GUIDELINES

- All students are required to maintain a full schedule of classes, which is defined as being enrolled in eight class periods per day. Students enrolled in specialty programs and/or who have unique scheduling needs, such as dual enrollment, school-to-work, STC, may require exceptions to the requirement of scheduling eight class periods per day. These unique situations must be discussed with the High School Principal to examine the needs of each student and identify where exceptions are necessary.
- Students who enroll in more than 8 credits per school year may be charged a credit fee.
- Additional credits taken online for the purpose of credit recovery/summer school may be subject to a credit fee.

CREDIT RECOVERY/SUMMER SCHOOL

Students who successfully complete credit recovery courses and/or summer school courses may either earn a 60% and have that grade replace the previous failing grade OR have the updated grade (actual percentage grade earned in the credit recovery/summer school course) added to their transcript with the failing grade remaining on the transcript. If a course is taken for the first time to earn additional credit, the percentage grade earned will be added to the student's transcript. Students wishing to be enrolled in credit recovery/summer school will need to complete a form indicating grading preference and payment options prior to enrolling in the course.

SCHEDULE CHANGE GUIDELINES

Schedule changes will be permitted as follows:

- After the beginning of the school year, *only* the following changes will be given consideration:
 - Request by student's teacher for change in the level of difficulty of a course.
 - Scheduling error - Example: Student completed English course in summer school but student schedule not adjusted.
 - Course changes recommended by IEP Team or School Psychologists.
 - Administrative directed changes due to unusual circumstances.
 - Lunch changes may be made at the discretion of School Counselors.
- Drop/Add Procedure
 - Students have 5 school days to request a schedule change from the start of the semester. Students who wish to add/drop course(s) after the first day of the course may be required to complete an add/drop form which requires the signatures of the student, teacher(s), Parent/Guardian(s), Counselor, and Principal.
 - Students who choose to drop a course(s) after the first 5 days of date the course begins will receive a Withdrawal/Failure and a (WF/59%) will appear on the student's transcript. Extraneous circumstances may be approved by the building principal. Students must complete an add/drop form which requires the signatures of the student, teacher(s), Parent/Guardian(s), Counselor, and Principal.

HONORS, COLLEGE PREPARATORY, AND POST SECONDARY

Honors Sequence is intended for the highly motivated college bound student who is willing to challenge themselves to a rigorous academic track. These courses involve a great deal of critical thinking and problem solving analysis. All of these courses are weighted 1.08.

College Preparatory Sequence is intended for those students who plan to pursue a four-year college degree and beyond. These courses carry weights of 1.04.

Post-Secondary Sequence is designed for those students who wish to pursue post-secondary training in areas such as a trade or technical school, business school or apprenticeship. These courses are un-weighted or 1.00.

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) classes are designed to allow students the opportunity to experience the rigors of college level studies while they still have the support of a high school environment. By participating in Advanced Placement courses, a student has the opportunity to earn college credits, and stand out in the college admission process. There are currently 17 Advanced Placement courses offered at Pine Grove, all carrying a weight of 1.12. AP Exams for college credit are offered at the High School every May. Students who are enrolled in an Advanced Placement course will be required to take the Advanced Placement Exam in order to receive the course weight of 1.12. Students who choose not to take the AP exam will receive a course weight of 1.00. Test fees will be paid for by the school district.

DUAL ENROLLMENT/COLLEGE IN THE CLASSROOM

Dual enrollment allows students to take college courses while attending their home high school. The Pine Grove Area School District has established dual enrollment agreements with several colleges and universities, including Alvernia University, Commonwealth University of Pennsylvania, HACC, LCCC, and Penn State Schuylkill. Students may earn both transferable college credits and high school credits for courses taken through the Dual Enrollment program. These courses will carry the weight of 1.04.

- Students and parents are responsible for all tuition costs and other fees associated with a dual enrollment course.
- Students and parents are responsible for transportation to and from the postsecondary institution.
- Courses taken through a dual enrollment program must be at least 3 college credits in order to earn 1 full credit toward graduation requirements.
- Courses completed outside of the regular school year will not be approved for dual enrollment credit.
- The same drop/add policy followed in the High School applies to Dual Enrollment courses.
- Extenuating circumstances pertaining to Dual Enrollment courses may be approved by the High School Principal.

NCAA ELIGIBILITY CENTER

Student-athletes who are considering participation in collegiate athletics should explore the NCAA (National Collegiate Athletic Association) requirements for eligibility. A high school diploma alone is not sufficient to permit a student to participate in college athletics. The NCAA has a set of minimum standards that students must meet to be eligible. Detailed information may be found at www.eligibilitycenter.org. Students interested in playing collegiate athletics are strongly encouraged to review the detailed requirements reported on the NCAA Eligibility Center to ensure they are making appropriate decisions about their course selections. It is strongly recommended that a student athlete register in his/her junior year, beginning in the month of May. To register, the student athlete needs to apply online at www.eligibilitycenter.org. For more information, please stop in the Counseling Office.

SCHOOL-TO-WORK

The School-to-Work Program allows 11th and 12th grade students, who have sufficient credits to graduate/on track to graduate, early dismissal/late arrival privileges as long as the student is employed on a regular basis. Seniors who participate in the school-to-work program are required to be enrolled in at least 4 periods per semester and maintain program requirements as stated in the work study application provided by Pine Grove Area High School. Juniors who participate in the school-to-work program are required to be enrolled in at least 6 periods (excluding lunch) per semester and maintain program requirements as stated in the work study application provided by Pine Grove Area High School. Individual circumstances may be approved by the building principal.

Students involved in the School-to-Work program must:

- Maintain a minimum of 10 hours of employment per week.
- Maintain employment for a minimum of 75 days per semester throughout the school year.
- Have a minimum of 2 days between Monday and Friday scheduled to start prior to 2:30 p.m. at their place of employment.
- Be employed within the first ten days of the start of first semester and/or the first 10 days of the second semester while schedule changes are permitted for all students.
- Earn a legal wage as regulated by Federal, State, and Local laws.
- Failure to complete the requirements of the School-to-Work program may result in a failing grade and/or the removal from the School-to-Work program. Students will be required to complete a full schedule during the school day upon their return.
- Extenuating circumstances pertaining to School-to-Work may be approved by the High School Principal.

Students have the opportunity to earn .5, 1 or 2 credits from the school to work program.

90 hours per semester = .5 credits

180 hours per semester = 1.0 credit

360 hours for the entire school year = 2.0 credits

SCHUYLKILL TECHNOLOGY CENTERS

The Schuylkill Technology Centers at their Frackville and Mar Lin Campuses offer students a unique opportunity to learn through live experiences in a real work environment. In addition, students train on state of the art equipment to help prepare them for various technical careers. Traditionally, students may attend the Schuylkill Technology Centers during grades 9 through 12. Students who attend the Schuylkill Technology Center for one semester will receive 3 credits for their selected program and 1 credit of Social Studies.

STEAM FRAMEWORK

The Pine Grove Area School District has adopted the acronym STEAM as a framework for Science, Technology, Engineering, Arts, and Mathematics instruction. Starting as early as Kindergarten, students participate in focused instruction that emphasizes how the components of STEAM are interrelated. At Middle School levels, students start to explore how each component of STEAM is related to a variety of careers. The Pine Grove Area High School *Course of Studies Guide* is a catalog of all potential courses that could be offered to students. Listed below is a table that correlates all possible course offerings to each component of STEAM.

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Academic, Career & Social Development								
22106	Junior Seminar	0.5	1.04	x	x	x	x	x
22001	SAT Preparation	0.5	1.00				x	x
22151S	STEAM Pathways	0.5	1.00	x	x	x	x	x
Band/Music								
05101	Band	1.0	1.00				x	x
05101-4	Band - Yr 4	1.0	1.04				x	x
05103	Band Front	0.5	1.00				x	x
05103-4	Band Front – Yr 4	0.5	1.04				x	x
05149	Band/Chorus	1.0	1.00				x	x
05149-4	Band/Chorus – Yr 4	1.0	1.04				x	x
05110	Chorus	1.0	1.00				x	
05110-4	Chorus – Yr 4	1.0	1.04				x	
05054-1	Drama I	0.5	1.00				x	
05054-2	Drama II	0.5	1.00				x	
05054-3	Drama III	0.5	1.00				x	
05054-4	Drama IV	0.5	1.00				x	
05113-1	Music Theory I	.5/1	1.00		x		x	
05113-2	Music Theory II	.5/1	1.00		x		x	
05113-3	Music Theory III	.5/1	1.00		x		x	
05113-4	Music Theory IV	.5/1	1.00		x		x	
05112	Music Theory - Independent Study	0.5	1.00		x		x	
05118	Musical Influence on Modern Society	0.5	1.00				x	
05099	Stage Production	0.5	1.00		x	x	x	
Business, Computer & Information Technology								
12104	Accounting I	1.0	1.04		x			x
121042	Accounting II	1.0	1.04		x			x
121043	Accounting III/Honors Accounting	1.0	1.08		x			x
100042	Advanced Computer Applications	0.5	1.00		x			
10019	AP Computer Science Principles	1.0	1.12		x			
12055	Business Foundations	0.5	1.00		x			x
12054	Business Law	0.5	1.00		x		x	

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Business, Computer & Information Technology								
12052	Business Management	0.5	1.00		x		x	x
12999	Business Marketing & Sales	0.5	1.00		x		x	x
22151	Business & Technical Career Exploration	0.5	1.00		x		x	
10001	Computer/Career Applications	.5/1	1.00		x		x	x
10152-1	Computer Programing	1.0	1.00		x		x	
10152-2	Computer Programing II	1.0	1.00		x		x	
10205-1	Concepts of Gaming I	0.5	1.00	x	x	x	x	x
10205-2	Concepts of Gaming II: Exploring Interactive Media & Esports Topics	0.5	1.00	x	x	x	x	x
12053	Entrepreneurship	0.5	1.00		x		x	x
12056	International Business	0.5	1.00		x		x	x
10999	Intro to Computer Science in Python (Rainforest)	.5/1	1.00		x			
10108	Introduction to Cybersecurity (Vigenere)	.5/1	1.00		x			x
10110	Microsoft Certification Applications	0.5	1.00		x			x
10102	Networking & IT	0.5	1.00		x			x
12103	Personal Finance	0.5	1.00		x			x
12113	Personal Finance (Advanced)	0.25/0.5	1.04		x			
11049	PowerPoint & Presentations	0.5	1.00		x		x	
12169	Social Media Marketing & Management	0.5	1.00		x		x	x
12166	Sports & Entertainment Management	0.5	1.00		x		x	x
12163	Sports & Entertainment Marketing	0.5	1.00		x			x
22152	Your Employment Skills	1.0	1.00		x		x	
English								
01006	AP English Literature & Composition (12)	1.0	1.12		x		x	
01005	AP Language and Composition (11)	1.0	1.12		x		x	
01059	Biblical Literature	0.5	1.00		x		x	
01155-1	Communications & Media I	1.0	1.08		x		x	
01155-2	Communications & Media II	1.0	1.08		x		x	
01155-3	Communications & Media III	1.0	1.08		x		x	
01104-1	Creative Writing I	0.5	1.00		x		x	
01104-2	Creative Writing II	0.5	1.00		x		x	
01065-1	Dystopian & Apocalyptic Literature I	0.5	1.00		x		x	
01065-2	Dystopian & Apocalyptic Literature II	0.5	1.00		x		x	
01001	English 9 PS	1.0	1.00		x		x	
01053	English 9 CP	1.0	1.04		x		x	
01101	English 9 Honors	1.0	1.08		x		x	
01002	English 10 PS	1.0	1.00		x		x	
01058	English 10 CP	1.0	1.04		x		x	
01099	English 10 Honors	1.0	1.08		x		x	
01003	English 11 PS	1.0	1.00		x		x	
01054	English 11 CP	1.0	1.04		x		x	
01055	English 11 Honors	1.0	1.08		x		x	

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
English								
01004	English 12 PS	1.0	1.00		x		x	
01056	English 12 CP	1.0	1.04		x		x	
01061	Films as Text	0.5	1.00		x		x	
01060	Great Books & Best Sellers	0.5	1.00		x		x	
04302	Humanities	0.5	1.00		x		x	
01103-1	Journalism I	0.5	1.00		x		x	
11101-2	Journalism II	0.5	1.00		x		x	
11101-3	Journalism III	0.5	1.04		x		x	
11101-4	Journalism IV	0.5	1.04		x		x	
11101-5	Journalism V	0.5	1.04		x		x	
11101-6	Journalism VI	0.5	1.04		x		x	
11101-7	Journalism VII	0.5	1.04		x		x	
11101-8	Journalism VIII	0.5	1.04		x		x	
01063	Literature and Film	0.5	1.00		x		x	
01066	Media Literacy	0.5	1.00		x		x	
11104-1	Press Media I	0.5	1.00		x		x	
11104-2	Press Media II	0.5	1.00		x		x	
11104-3	Press Media III	0.5	1.04		x		x	
11104-4	Press Media IV	0.5	1.04		x		x	
Family & Consumer Science Courses								
19255-1	Child Development	0.5	1.00	x				
19255-2	Child Development II	.5/1	1.00	x				
19255-3	Child Development III	.5/1	1.04	x				
19255-4	Child Development IV	.5/1	1.04	x				
19255-5	Child Development V	.5/1	1.04	x				x
16054-1	Culinary Arts I	0.5	1.00	x			x	x
16054-2	Culinary Arts II	0.5	1.00	x			x	x
22203-3	Culinary Arts III	0.5	1.00	x			x	x
22208	Family Living	0.5	1.00					x
19263	Home Décor/Interior Design	0.5	1.00		x		x	
22205	Textile Design	0.5	1.00	x	x		x	
19204	Textile Design – Community Service Course	0.5	1.00		x		x	
Fine and Applied Arts								
05162	3D Art & Sculpture	0.5	1.00				x	
05174	AP Studio Art: 2D	2.0	1.12		x		x	
05175	AP Studio Art: 3D	2.0	1.12		x		x	
05172	AP Studio Art: Drawing	2.0	1.12				x	
05198	Careers in Art	1.0	1.00				x	
05158	Ceramics I	0.5	1.00				x	
05159	Ceramics II	0.5	1.00				x	
05155C	Children's Book Illustration	0.5	1.00				x	
05169	Digital Painting I	0.5	1.00		x		x	

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Fine and Applied Arts								
05156	Drawing I	0.5	1.00				x	
05201	Drawing I & Painting I	0.5	1.00				x	
059993	Drawing II	0.5	1.00				x	
059991	Foundations of Art	0.5	1.00				x	
05151	Independent Art	0.5	1.00				x	
05157	Painting I	0.5	1.00				X	
05155	Painting II	0.5	1.00				x	
05154	Senior Portfolio I	0.5	1.04				x	
05999	Senior Portfolio II	0.5	1.04				x	
Health & Physical Education								
08006	Coaching Youth Sports	0.5	1.00				x	
08051D	Driver's Ed	0.25	1.00		x		x	
08005	Fitness & Weight Training	0.5	1.00				x	
08051	Health	0.25	1.00	x			x	
08001	Physical Education	0.5	1.00				x	
08001B	Physical Education - boys	0.5	1.00				x	
08001G	Physical Education - girls	0.5	1.00				x	
08052	Wellness	0.25	1.00	x	x		x	x
JROTC								
09996	Aviation	0.5	1.00	x	x	x		x
09051	JROTC I	1.0	1.00		x		x	x
09052	JROTC II	1.0	1.00		x		x	x
09053	JROTC III	1.0	1.00		x		x	x
09054	JROTC IV	1.0	1.04		x		x	x
09004	Strategic Leadership	0.5	1.08		x		x	
Mathematics								
02052	Algebra I PS	1.0	1.00					x
02053	Algebra I CP	1.0	1.04					x
02058	Algebra II PS	1.0	1.00					x
02056	Algebra II CP	1.0	1.04					x
02057	Algebra II Honors	1.0	1.08					x
02124	AP Calculus	1.0	1.12					x
02123	AP Pre-Calculus (new)	1.0	1.12					x
02203	AP Statistics	1.0	1.12					x
02204	Fundamentals of Prob & Stats	0.5	1.00					x
02106	Fundamentals of Trigonometry	.5/1	1.00					x
02071	Geometry PS	1.0	1.00					x
02072	Geometry CP	1.0	1.04					x
02073	Geometry Honors	1.0	1.08					x
02106	Calculus Honors	1.0	1.08					x
020613	Integrated Math	.5/1	1.00					x

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Mathematics								
02003	Math Essentials	0.5	1.00					x
02051	Pre-Algebra	1.0	1.00					x
02201	Statistics & Probability	.5/1	1.04					x
02201-S	Statistics	.5	1.04					x
02201-P	Probability	.5	1.04					x
02107	Trigonometry/Pre-Calculus CP	1.0	1.04					x
02107-T	Trigonometry	.5	1.04					x
02107-PC	Pre-Calculus	.5	1.04					x
02105	Trigonometry/Pre-Calculus Honors	1.0	1.08					x
Science								
18002	Agricultural Science	0.5	1.00	x	x		x	x
18401	Agriculture Mechanics	0.5	1.00	x	x	x		
03054	Anatomy	0.5	1.08	x				
03053	Anatomy & Physiology	1.0	1.08	x				x
18101	Animal Science	0.5	1.00	x	x	x		
03056	AP Biology	2.0	1.12	x				x
03106	AP Chemistry/Lab	1.0	1.12	x	x	x		x
03207	AP Environmental Science	2.0	1.12	x				x
03165	AP Physics I	1.0	1.12	x	x	x		x
03004	Astronomy	0.5	1.00	x	x	x		
03099	Biology I PS	1.0	1.00	x				
03051	Biology I CP	1.0	1.04	x				
03052	Biology I Honors	1.0	1.08	x				x
03101PB	Chemistry PS	1.0	1.00	x	x	x		x
03101C	Chemistry CP	1.0	1.04	x	x	x		x
03101H	Chemistry Honors	1.0	1.08	x	x	x		x
03102	Chemistry II	1.0	1.08	x	x	x		
18549	Conservation	0.5	1.00	x				
03008	Earth and Space Science	0.5	1.00	x				x
03203	Environmental Chemistry	0.5	1.00	x	x	x		
03003	Environmental Science	0.5	1.00	x				x
039992C	Exploring Careers in Science	0.5	1.00	x	x	x		x
03149-1	Forensics	0.5	1.00	x	x	x		x
03149-2	Forensics II	0.5	1.00	x	x	x		x
18502	Forestry	0.5	1.00	x	x		x	
03064	Foundations in Science	0.5	1.00	x				x
03059	Genetics	0.5	1.00	x				
18052-1	Horticulture I	0.5	1.00	x	x		x	
18052-2	Horticulture II	0.5	1.04	x	x		x	x
03162	Intro to Physics	0.5	1.00	x	x	x		
18305	Meat and Food Science	0.5	1.00	x	x		x	
18505	Monsters Inside Me	0.5	1.00	x				
18504	Natural Resource Management	0.5	1.00	x	x		x	x

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Science								
03159	Physical Science	.5/1	1.00	x		x		x
03151	Physics: Mechanics	1.0	1.08	x	x	x		x
03152	Physics: Heat, Electricity & Magnetism	1.0	1.08	x	x	X		
03055	Physiology	0.5	1.08	x				
K03051	Principles of Biology	0.5	1.00	x				
18102	Small Animal Science	0.5	1.00	x				x
03204	The Science of How Things Work	0.5	1.00	x	x	x		x
18105	Veterinary Science	0.5	1.04	x	x		x	
18501	Wildlife Management	0.5	1.00	x				
03061	Zoology	1.0	1.04	x				x
Social Studies								
04149	American History 9 PS	1.0	1.00				x	
04103	American History 9 CP	1.0	1.04				x	
04109	American History 9 Honors	1.0	1.08				x	
04060	Ancient World History	0.5	1.00				x	
04056	AP European History	1.0	1.12				x	
04004	AP Human Geography	1.0	1.12	x			x	
04157	AP US Government	1.0	1.12				x	
04104	AP US History	1.0	1.12				x	x
04207	Business and Personal Economics	0.5	1.00				x	
04299	Conflict and Violence in America	0.5	1.00				x	x
04201-ECON	Economics	0.5	1.00				x	
04050	Exploration of the Eastern World Geography	0.5	1.00				x	
04051	Exploration of the Western World Geography	0.5	1.00				x	
04001	Geography	0.5	1.00				x	
04106	The Cold War	0.5	1.00				x	
04105	History of Pennsylvania	0.5	1.00				x	
04066	History of Sports and Sports Podcasting	1.0	1.00		x		x	
043021	Holocaust and Genocide	0.5	1.00				x	x
042490-ECON	Honors Economics	0.5	1.08				x	
04255	Honors Psychology	0.5	1.08				x	
04162	Intro to Law	0.5	1.00				x	
04002	Modern US History/Current Issues	0.5	1.00				x	
04254	Psychology	0.5	1.00				x	
049995	Regional Studies: Early Islamic and Middle Eastern History	0.5	1.00				x	
049994	Regional Studies: East Asia	0.5	1.00				x	
049992	Regional Studies: History of Africa	0.5	1.00				x	
04063	Regional Studies: History of Russia	0.5	1.00				x	
049996	Regional Studies: Latin America	0.5	1.00				x	
04153	The Election	0.5	1.00		x		x	
04154	Understanding Mass Atrocities	0.5	1.00		x		x	
04199	US Government and Civics 11 PS	1.0	1.00				x	

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Social Studies								
04161	US Government and Civics 11 CP	1.0	1.04				x	
04152	US Government and Civics 11 Honors	1.0	1.08				x	
04107	US Ethnic Studies	0.5	1.00				x	
049991	US History Through Film (1600s to 1950)	0.5	1.00				x	
049991-2	US History Through Film (1950s to present America)	0.5	1.00				x	
04099	World History 10 PS	1.0	1.00				x	
04062	World History 10 CP	1.0	1.04				x	
04065	World History 10 Honors	1.0	1.08				x	
04110	WWII History Through Film	0.5	1.00				x	
Technology Education								
11056	360 Video and Virtual Reality Design	0.5	1.00		x		x	
11105-1	Advanced Broadcast Technology I	1.0	1.04		x		x	x
11105-2	Advanced Broadcast Technology II	1.0	1.04		x		x	x
11105-3	Advanced Broadcast Technology III	1.0	1.04		x		x	x
21107	Advanced CADD	0.5	1.00		x	x		x
13054	Advanced Woodshop I - YR 1	1.0	1.00		x	x		x
13054-2	Advanced Woodshop II- YR 2	1.0	1.00		x	x		x
17007	Advanced Woodshop III - YR 3	1.0	1.04		x	x		
10202	Animation I	0.5	1.00		x		x	
10203	Animation II	0.5	1.00		x		x	
11155	Animation III	0.5	1.04		x		x	
10204	Animation IV	0.5	1.04		x		x	x
21103	Architectural CADD	0.5	1.00		x	x		x
21102	Basic Computer Aided Drafting (CADD)	0.5	1.00		x	x		x
13054	Basic Woodshop	1.0	1.00		x	x		
11149-1	Broadcast Technology I	0.5	1.00		x		x	
11149-2	Broadcast Technology II	0.5	1.00		x		x	
11149-3	Broadcast Technology III	0.5	1.00		x		x	
11149-4	Broadcast Technology IV	0.5	1.00		x		x	
11149-5	Broadcast Technology V	0.5	1.00		x		x	
11149-6	Broadcast Technology VI	0.5	1.00		x		x	
11149-7	Broadcast Technology VII	0.5	1.00		x		x	
11149-8	Broadcast Technology VIII	0.5	1.00		x		x	x
11152	Desktop Publishing	0.5	1.00		x		x	
11102	Digital Imaging/Video Editing (DIVE I)	0.5	1.00		x		x	
11103	DIVE II	0.5	1.00		x		x	
11051	DIVE III	0.5	1.04		x		x	
11056	DIVE IV	0.5	1.04		x		x	
21009	Electronics and Robotics	0.5	1.00	x	x	x		x
21006	Engineering Design & Technology	0.5	1.00	x	x	x		x
21003	Engineering Design & Technology II	1.0	1.00	x	x	x	x	x
21007	Engineering Design & Technology III	1.0	1.04	x	x	x	x	
13348	Home Maintenance and Repair	0.5	1.00		x	x		

<u>Course ID</u>	<u>Name</u>	<u>Credits</u>	<u>Weight</u>	<u>S</u>	<u>T</u>	<u>E</u>	<u>A</u>	<u>M</u>
Technology Education								
11151	Intro to Digital Media	0.5	1.00		x		x	x
13058	Mass Production and Automation	0.5	1.00		x	x		x
20053	UAV and Flight Principles	0.5	1.00	x	x	x		
10201	Web-Page Design	0.5	1.00		x		x	
World Languages								
06128	French Culture II	0.5	1.00				x	
06121	French I	1.0	1.00				x	
06122	French II	1.0	1.04				x	
06123	French III	1.0	1.08				x	
06124	French IV	1.0	1.12				x	
24061	Hispanic Culture through Film	0.5	1.00				x	
061211	Into to French Culture I	0.5	1.00				x	
06101	Spanish I	1.0	1.00				x	x
06102	Spanish II	1.0	1.04				x	x
06103	Spanish III	1.0	1.08				x	x
06104	Spanish IV	1.0	1.12				x	x

ACADEMIC, CAREER & SOCIAL DEVELOPMENT

JUNIOR SEMINAR (#22106)

.5 Credit

This course will emphasize helping students focus on postsecondary planning by assessing students' strengths, skills, and interests. Topics addressed include: exploring careers, college searches, continued high school planning, test preparation, and enrichment opportunities.

SAT PREPARATION (#22001)

.5 Credit

This course is designed to be a structured and guided way to prepare for the S.A.T.. The course will use various test preparation materials and techniques to work with student skills for all sections of the S.A.T. The course will also review test taking strategies.

STEAM PATHWAYS (#22151S)

.5 Credit

This course is a semester-long multi-disciplinary course where students will rotate through the subject areas of Science, Technology, Engineering, Arts, and Mathematics. Students will explore careers within each STEAM subject area, while completing hands-on, problem-solving, academic, and exploratory career activities.

BAND/MUSIC

BAND (#05101, #05101-4)

1 Credit

The marching band begins rehearsal in August and continues through mid-November. The marching band performs at all home and away PGAHS football games, local parades, civic functions, and various field exhibitions. The band has also traveled outside of our area to perform.

The concert band rehearses during the school day following football season and presents public performances at Christmas time and early spring. The concert band rehearses and performs fine concert band literature as well as contemporary music of a lighter nature.

Prerequisite: Marching Band

Note: Band members are graded based on their attendance, participation in rehearsals and concerts/performance, sectional attendance, playing exams and lessons. Membership in related band front organizations is gained through spring tryouts.

BAND FRONT (#05103, #05103-4)

.5 Credit

The members of the Band Front, also called Flag Squad, will be responsible for interpreting the music and drill of the Marching Band during football game performances, Marching Festivals, and parades through the use of movement and dance. Additional materials used to enhance the effect will include Marching Band Flags of varying size and design, prop rifles and prop sabers. Students will be involved in a variety of activities to train them on the various equipment pieces (Flags, Rifle and Sabers). The instructor will work closely with the drill designer to choreograph the movements of the students with said equipment. The students will work individually, in small groups and with the band proper to improve their skill level. Performances of the finished product will take place as part of the Marching Band at football games, festivals and parades.

The marching band begins rehearsal in August and continues through mid-November. The marching band performs at all home and away PGAHS football games, local parades, civic functions, and various field exhibitions. The band has also traveled outside of our area to perform.

BAND/CHORUS (#05149, #05149-4)

1 Credit

Students are given the opportunity to participate in both band and chorus, based on a rotating schedule designated by the directors. Instrumentalists will share their time between both organizations. Students in Band Front will have the option to move to chorus full time once the marching band season has concluded.

CHORUS (#05110, #05110-4)

1 Credit

Chorus is open to any student who wants to sing. Students will sing a variety of musical styles, written in 3, 4, or 5 parts. Students are expected to participate in the groups' programs. Open to all grades.

Prerequisite: Entering students must audition or be recommended by the middle school choral director. Students must obtain an 80% or higher to enroll the following semester/year.

DRAMA I (#05054-1)

.5 Credit

This course includes directing and performing monologues, dialogues, and scenes from established plays and works of student's own creation. It also includes the study of staging, basic directing techniques, make up of influential plays of Greek, Roman, Renaissance, English, and American origin. Students are graded on participation in rehearsals, and performance. Students will be expected to participate in various performances including but not limited to seasonal theater, dinner theater, and small and large ensemble performances.

DRAMA II (#05054-2)

.5 Credit

This course includes directing and performing monologues, dialogues, and scenes from established plays and works of student's own creation. It also includes the study of staging, basic directing techniques, make up of influential plays of Greek, Roman, Renaissance, English, and American origin. Students are graded on participation in rehearsals, and performance. Students will be expected to participate in various performances including but not limited to seasonal theater, dinner theater, and small and large ensemble performances.

Prerequisite: Successful completion of Drama I

DRAMA III (#05054-3)

.5 Credit

This course includes directing and performing monologues, dialogues, and scenes from established plays and works of student's own creation. It also includes the study of staging, basic directing techniques, make up of influential plays of Greek, Roman, Renaissance, English, and American origin. Students will also work on scenery construction, set design, costuming, and blocking. Students are graded on participation in rehearsals, and performance. Students will help design and carry out warm-up activities for both small group and whole class participation. Students will be expected to participate in various performances including but not limited to seasonal theater, dinner theater, and small and large ensemble performances.

Prerequisite: Successful completion of Drama II

DRAMA IV, V, VI (#05054-4, #05054-5, #05054-6)

.5 Credit

This course includes directing and performing monologues, dialogues, and scenes from established plays and works of student's own creation. It also includes the study of staging, basic directing techniques, make up of influential plays of Greek, Roman, Renaissance, English, and American origin. Students will also work on scenery construction, set design, costuming, and blocking. Students are graded on participation in rehearsals, and performance. Students will help design and carry out warm-up activities for both small group and whole class participation. Students will be expected to participate in various performances including but not limited to seasonal theater, dinner theater, and small and large ensemble performances.

Prerequisite: Successful completion of Drama III

MUSIC THEORY I, II, III, IV, V, and VI (#05113-1, #05113-2, #05113-3, #05113-4, #05113-5, #05113-6)

.5 Credit

This class will teach basic music theory to students. Areas to be studied will include rhythm, melody, harmony, dynamics, tempo, ear training, sight reading, score reading, tone color, and basic musical forms. The aim is to improve the students' musical knowledge, therefore improving their performance in any musical organization. This course is recommended for any student considering taking music courses in college. Involvement in the school's ensembles are not required to be in the class, but are recommended.

MUSIC THEORY- INDEPENDENT STUDY (#05112)

.5 Credit

This class will teach basic music theory to students involved in the music program. Areas to be studied will include rhythm, melody, harmony, dynamics, tempo, ear training, sight reading, score reading, tone color, basic vocal techniques, and basic musical forms. The aim is to improve the student's musical knowledge, therefore improving their performance in any musical organization. * This course is only offered with approval of the music instructor.

MUSICAL INFLUENCE ON MODERN SOCIETY (#05118)

.5 Credit

This course explores the evolution of music from its origins to the present day, focusing on soul, folk rock, British rock, psychedelic, heavy metal, disco, punk, rap, and movie styles within the context of cultural, social, and political developments. For students with little or no formal training in music, this course's emphasis will be on the styles and evolution of the music, which will be discussed in a non-technical way that centers on music fundamentals, such as melody, harmony, texture, rhythm and form. It will also examine music as it relates to society and the influence it has had on film, television, and historical moments, including current events.

STAGE PRODUCTION (#05099)

.5 Credit – 2nd semester only

This course teaches students about theater production including set construction techniques, lighting, costumes, sound, and props; the technical aspects of producing a dramatic production. Activities may include building and painting scenery, hanging curtains and other set related soft goods, setting risers and seating, and generally preparing the physical space. Students will also learn what goes into lighting, costuming, or providing props for a theatrical production through practical experience. Students will be expected to select one of the three areas to focus on throughout the semester, although those who wish to work on all three are more than welcome. Students will be expected to participate in the spring musical as an actor or stage crew member, and will be expected to attend after school rehearsals when deemed appropriate. This attendance will also be included in the grading process.

BUSINESS, COMPUTER, & INFORMATION TECHNOLOGY

ACCOUNTING I (#12104)

1 Credit (10th – 12th)

This course provides instruction that will assist each pupil to keep records for personal use and to interpret and analyze business papers and records in the capacity of a retailer and a consumer. Students will develop skills in handling ledger accounts, special journals, and the preparation of financial statements in a manual accounting system. Students will transfer their new skills to a microcomputer system and complete a series of appropriate problems.

ACCOUNTING II (#121042)

1 Credit

This course is recommended for those students with a “C” average or higher in Accounting I. The skills of manual payroll accounting will be developed and then transferred to a payroll model on the microcomputer. Study will include sales taxes and other purchases and sales transactions; notes and interest; accrued income and accrued expenses. The organization and accounting of partnerships, corporations, and cooperatives will be examined. Practice sets for retail business and a corporation may be completed. Automated Accounting Models will be completed through microcomputer accounting applications.

Prerequisite: 70% or higher in Accounting I

ACCOUNTING III/HONORS ACCOUNTING (#121043)

1 Credit

Managerial Accounting focuses on decisions made internally within a business. Information generated by Managerial Accountants is used for making decisions such as: setting prices, determining the cost of manufacturing an item, granting credit to customers, managing inventory, leasing or buying equipment, and projecting revenues and costs. This class will surely prepare students planning a career in accounting or those majoring in business in college. Advanced permission from guidance and BCIT are required.

ADVANCED COMPUTER APPLICATIONS (#100042)

.5 Credit

This course will concentrate on the following major areas of the Microsoft Office Package: Word, Excel, Access, PowerPoint, and Publisher. Students will be developing their skills in the Office Suite to an advanced level using a variety of higher level techniques. This course will incorporate the latest in emerging technologies.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (#10019)

1 Credit (10th, 11th)

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and career. This course was last updated summer of 2019.

BUSINESS FOUNDATIONS (#12055)

.5 Credit

This is a basic business course designed to acquaint students with the activities associated with a business. Students will gather a basic understanding of general business, economics, entrepreneurship, business communications, business ethics, marketing, business finance, and government’s role in business. Overall, the course gives students a broad exposure to business operations and a solid background for additional business courses.

BUSINESS LAW (#12054)

.5 Credit (11th, 12th)

This course is designed as a survey of elementary legal principles found in transactions common in today's business world. The case study method will be employed and the following topics will be covered: bankruptcy, personal property, laws and justice, crimes, torts, agency, contracts, employment law, finance, and forms of business organization. Students will also gain insight to career options associated within the fields of law, criminal justice, and business.

BUSINESS MANAGEMENT (#12052)

.5 Credit

This course will present the general principles of management, such as business information management, production management, financial management, human resources management, marketing management, and management responsibilities with emphasis on industry-specific issues, topics, and insight. This dual focus offers opportunity for exposure to exciting, high-growth industries, which share many areas of common ground, while developing critical thinking, communication, and managerial skills which are highly transferable to any industry.

BUSINESS MARKETING & SALES (#12999)

.5 Credit

This course jumps into the exciting world of promoting and selling. We'll dive into cool topics like figuring out what people want, creating catchy ads, and becoming sales whizzes. You'll get to do hands-on projects, play around with real-world examples, and learn how to make things people actually want to buy. Whether you're dreaming of being a marketing guru or a sales superstar, this course is your backstage pass to understanding how businesses make things happen in the world of marketing and sales. Get ready to discover the secrets behind the ads you see every day and become a pro at convincing people your ideas are awesome!

BUSINESS & TECHNICAL CAREER EXPLORATION (#22151)

.5 Credit

Students will complete various School-To-Career activities in order to prepare for both post-secondary education and employment. Self-assessment and goal setting activities will prepare students to explore various career options. Students will learn skills needed to successfully prepare and obtain employment leading to a successful career. Portfolio and resume development, library research, and an understanding of career pathway options will be gained. Students will learn the importance of working in teams, utilizing proper communication skills, and developing the characteristics needed for future employment.

COMPUTER/CAREER APPLICATIONS (#10001)

.5 Credit/1 Credit (9th – 12th)

This class uses Microsoft Office products to discover the four basic applications used in the work world today. We will use Word to do word processing; Excel to create spreadsheets; PowerPoint to create presentations; and Access to create databases. Students will also learn the proper procedures to create professional quality publications suitable for course work, professional purposes, and personal use. Students will complete various school-to-career activities in order to prepare both post-secondary education and employment. Self-assessment and goal setting activities will prepare a student to explore various career options. Students will learn skills needed to successfully prepare and obtain employment leading to a successful career. Students will learn the importance of working in teams, utilizing proper communication skills, and developing the characteristics needed for future employment.

COMPUTER PROGRAMMING I, II (#10152-1, 10152-2)

1 Credit (10th – 12th)

This course is designed to introduce students to an object-oriented programming environment for creating Windows programs. Students will learn to develop computer application software and games using the Visual Basic computer programming language with a graphical user interface that is operator friendly. Applications will be created using the following three-step programming process: Creating the interface, Setting the Properties, and Writing the Code. The course will begin with computer programming basics and terminology. Students will also be given creative freedom to develop codes for their own applications. Research on famous computer programmers and their innovations will also be included.

CONCEPTS OF GAMING I (#10205-1)

.5 Credit

This course introduces students to gaming concepts and the fundamentals of effective gaming management. Students identify best practices in management by examining the emerging gaming industry and associated stakeholders. Students explore financial, legal, and ethical marketing and operational issues surrounding the gaming industry. Finally, students will explore career opportunities in the world of gaming.

CONCEPTS OF GAMING II: EXPLORING INTERACTIVE MEDIA AND ESPORTS TOPICS (#10205-2)

.5 Credit

This is a project-based course that allows students to view and create digital media through an esports lens. Students will creatively express themselves through hands-on experiences with digital graphics, print media, computer animation, audio production, video production, web design and other newly-emerging forms of digital media. Using industry standard tools and techniques, students will create digital media projects while learning to facilitate meetings, serve as team leaders, manage project timelines, give and receive constructive criticism, and produce professional products. Reflective journaling, media literacy and ethics, as well as embedded social emotional learning also enhance the course and contribute to student mental health.

ENTREPRENEURSHIP (#12053)

.5 Credit

Entrepreneurship students will demonstrate the entrepreneurial process and experience owning and managing a business. This course will provide students with a flexible background that will enable them to adjust to career shifts and meet the demands of a constantly changing global marketplace. Entrepreneurship will encompass self-assessment, product selection/service, types of ownership, including franchising, determining location and customers, marketing the business, financing, and managing employees. Historical entrepreneurs will be analyzed. Developing a business plan and real-world problems encountered while being an entrepreneur will also be discussed.

INTERNATIONAL BUSINESS (#12056)

.5 Credit

International Business is designed for students who are interested in life beyond the confines of Pennsylvania. In the era of an emerging global economy and e-commerce market, we need to have a better understanding of how businesses operate and function across the globe. As consumers, employees, and business owners, we no longer have the luxury of maintaining a local perspective. In International Business, students will study how businesses function within different cultures, financial markets, economics, marketing environments, and ethical situations. The class will be composed of a variety of hands-on simulations and projects, computer and web based projects, regional and country profiles, and research opportunities.

INTRO TO COMPUTER SCIENCE IN PYTHON (RAINFOREST) (#10999)

.5 Credit/1 Credit (9th, 10th)

The Code HS Introduction to Computer Science in Python course teaches the fundamentals of computer programming as well as some advanced features of the Python language. Students will develop an appreciation for how computers store and manipulate information by building simple console-based games. This course is equivalent to a semester-long introductory Python course at the college level.

INTRODUCTION TO CYBERSECURITY (VIGENERE) (#10108)

.5 Credit/1 Credit (10th – 12th)

This course prepares students with crucial skills to be responsible citizens in a digital future. The Introduction to Cybersecurity is the first online blended K12 cybersecurity course and is designed for students with some exposure to computer science, but there are no specific course prerequisites. Topics included are: foundational cybersecurity topics including digital citizenship and cyber hygiene, the basics of cryptography, software security, networking fundamentals, and basic system administration. This course is one year for high school students.

MICROSOFT CERTIFICATION APPLICATIONS (#10110)

.5 Credit

This course is a hands-on journey where students dive into the world of Microsoft applications. This course focuses on practical skills using tools like Word, Excel, and PowerPoint. Students will learn to create professional documents, crunch numbers with spreadsheets, and design eye-catching presentations. By the end of the course, students will have the chance to earn Microsoft certifications, making them stand out with valuable tech skills for future academic and career endeavors. It's a practical and empowering course that equips students with essential digital proficiency for the modern world.

NETWORKING & IT (#10102)

.5 Credit

Provides students with a foundational understanding of the principles and practices essential to the field of information technology. Throughout the semester, students will delve into the fundamentals of computer networks, exploring topics such as network architecture, protocols, security, and troubleshooting. Practical hands-on experiences will allow students to apply their knowledge through activities like network configuration, system administration, and collaborative problem-solving. Emphasis will be placed on developing critical thinking skills and fostering a deep understanding of the technologies shaping the digital landscape.

PERSONAL FINANCE (#12103)

.5 Credit (11th, 12th)

In this course students will focus on their role as citizens, scholars, family members, consumers, and active participants in the business world. The course objective is to inform students of the various financial responsibilities and to provide them with opportunities for self-awareness, expression, and satisfaction in a highly technical and competitive society.

PERSONAL FINANCE (Advanced) (#12113)

.25 Credit/.5 Credit (11th, 12th)

In this course students will focus on their role as citizens, scholars, family members, consumers, and active participants in the business world. The course objective is to give students advanced knowledge and information in checking, savings, credit, budgeting, financial pitfalls, taxes, insurance, investing, career, and paying for college.

POWERPOINT & PRESENTATIONS (#11049)

.5 Credit

In this course, students will identify principles and techniques of presentation and multimedia design and delivery using Microsoft PowerPoint. Slide show presentations and oral presentations will also be a component of this class. Students will use advanced Internet researching techniques to prepare appropriate citations of work. Responsible and ethical computer use will be stressed. Students will be expected to exhibit work ethics and self-management skills throughout the course.

SOCIAL MEDIA MARKETING & MANAGEMENT (#12169)

.5 Credit

This course provides students with an introduction to the dynamic world of social media. From understanding the evolution and impact of major platforms to hands-on experiences in content creation, strategy development, and community engagement, students will develop the skills needed to navigate and succeed in the digital landscape. The course covers key topics such as advertising, branding, analytics, ethical considerations, and legal aspects, ensuring an understanding of social media's role in personal and professional contexts. Through a combination of knowledge and practical projects, students will emerge with the ability to create effective social media strategies, engage with online communities, and make informed decisions in the rapidly evolving field of social media marketing.

SPORTS & ENTERTAINMENT MANAGEMENT (#12166)

.5 Credit

This course will present the general principles of management, such as business information management, production management, financial management, human resources management, marketing management, and management responsibilities with emphasis on industry-specific issues, topics, and insight. This dual focus offers opportunity for exposure to both exciting, high-growth industries which share many areas of common ground, while at the same time, develops critical thinking, communication, and managerial skills which are highly transferable to any industry.

SPORTS & ENTERTAINMENT MARKETING (#12163)

.5 Credit

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

YOUR EMPLOYABILITY SKILLS (#22152)

1 Credit (12th)

The YES Certificate Program teaches students the basic skills needed to be a qualified, successful employee. Topics covered include: team building, time management, stress management, conflict resolution, resume-writing, interviewing skills, safety, substance abuse, personal finance, and quality control. The course is for students who are planning to attend college, enlist in the military or go right into the workforce after graduation. Successful completion of this course allows students to earn a YES certificate, which will indicate to employers that the graduate understands what it means to be successful in the work environment.

**If attending Penn State Schuylkill or Luzerne, you could receive a \$1,000 scholarship, for successful completion of this course and earning a YES certificate!

ENGLISH

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION (12) (#01006)

1 Credit

This course covers British literature in depth from the Anglo-Saxon period to modern times. It includes the study of numerous literary forms with emphasis on Shakespeare's plays, the novel, and 20th century drama. Students will be introduced to various methods of approaching literature and will use them throughout the course. Grades will be based on writing and there will be a writing assignment of a minimum of three -five pages due every two weeks. Topics form the writing assignments and will be developed individually from class discussion of the works. There will also be exercises in writing for the AP exam. The course is conducted as a seminar. Students are expected to prepare daily reading assignments and participate in class discussion. Students will also be called on to do background research and to lead specific discussions during each marking period. Each student will complete a Senior Project based upon a novel. The project will be ongoing throughout the year with a written presentation 25-30 pages in length due in April. Student progress will be tracked throughout the year on regularly assigned reporting dates. Summer reading assignment is required.

Prerequisite: 90% or higher in all previous English courses or Administration approval

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION (11) (#01005)

1 Credit

This course will seek to expand students' understanding of rhetoric and written expression as it affects tone, purpose, structure, and argument in writing. This writing intensive course will seek to create critical readers who are not only invested in appreciating a text's meaning but are also interested in exploring the various ways in which language functions to create meaning, affect readers, shape attitudes, and achieve impact. Literature for the course will primarily be American literature and will focus on various genres, including non-fiction, drama, poetry, fiction, and speeches. There will be a culminating project of a 10-page research paper. Summer reading assignment is required.

Prerequisite: 90% average or higher in English 10 or Administration approval

BIBLICAL LITERATURE (#01059)

.5 Credit

The Bible has been and remains one of the most influential collections of writings in human history. Its impact can be seen in many areas of modern culture, from literature, art, and music, to public policy and debate. Biblical references can be found in classic literature as well as the daily newspaper. The English language itself has been impacted significantly by the Bible. The first English translations of the Bible helped to fashion the modern English language. The great bard of English literature, William Shakespeare, drew heavily upon the Bible for his inspiration. The purpose, then, for this course is to help the student understand the many ways, big and small, in which the Bible has impacted our literature.

COMMUNICATIONS & MEDIA I, II and III (#01155-1, #01155-2, #01155-3)

1 Credit

This course is the editorial leadership of the Media program. The course requires the implementation of the skills learned through Journalism and Broadcast. Editors are responsible for the content of the student-run Cardinal Chronicle, PGAHS Broadcast, and coordinating the District Newsletter. Additionally, students are responsible for advertising sales. Each editor develops a portfolio of his/her journalism work. Students will be expected to participate in covering all major school activities and events.

Requirements: August Editorial Workshops, after-school and weekend time is required for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

Prerequisite: Application process and Journalism I through IV, OR Broadcast and Advanced Broadcast, OR a combination of Journalism and Broadcast, OR an 85% or higher in CP 9, 10, or 11. Teacher approval is REQUIRED.

CREATIVE WRITING I (#01104-1)

.5 Credit

Students will explore various modes of creative writing including poetry, drama, and short story. Students will seek to imitate several styles of writing and become familiar with different aspects of the creative/writing process. Students will work within a writer's workshop format and will be required to peer-edit and revise as part of the curriculum.

CREATIVE WRITING II (#01104-2)

.5 Credit

Students will continue to develop and explore their own style of writing by developing largely self-developed assignments. Weekly assignments of five pages of prose or 100 lines of poetry form the grades of the course. This course meets concurrently with Creative Writing I and all students serve as editors of one another's work.

Prerequisite: Successful completion of Creative Writing I

DYSTOPIAN & APOCALYPTIC LITERATURE I (#01065-1)

.5 Credit

In today's literature, Dystopian and Apocalyptic fiction has become an overwhelming presence. Dystopian literature portrays societies that are fundamentally corrupt; similarly, apocalyptic literature views the world as society is ending. In Dystopian & Apocalyptic Literature, students will analyze both modern and classic texts from different authors to determine common structures and themes found across nations and decades. Furthermore, students will discuss why Dystopian and Apocalyptic fiction has become so popular recently, approaching the topic objectively through research. To demonstrate an understanding of both genres of literature, students will be expected to complete assignments not limited to projects, responses, or researched writing.

DYSTOPIAN AND APOCALYPTIC LITERATURE II (#01065-2)

.5 Credit

This course is the continuation of Dystopian and Apocalyptic Literature, students will continue to examine the social criticisms raised by authors through independent studies of dystopian and apocalyptic texts. Students will be able to choose their own novels and media to explore common themes and structures, as well as investigate examples of dystopias within our society today. To demonstrate an understanding of both genres of literature, students will be expected to complete assignments not limited to long-term projects, researched writings, and discussions.

Prerequisite: Successful Completion of Dystopian and Apocalyptic Literature I and/or teacher approval

ENGLISH 9 (Honors-01101, CP - 01053, PS – 01001, PS-01001B)

1 Credit

The course is standards based and will emphasize the study of literature, composition, speech, and vocabulary. Reading assignments will consist of a variety of literature. There will be a variety of composition assignments, including a research paper using MLA standards. Students will be required to make oral presentations to the class, some of which will require the use of technology for research and presentation. Summer reading assignment is required for Honors 9.

Prerequisite for Honors 9: 90% average or higher in both 8th grade ELA and Reading Classes or Administration approval

ENGLISH 10 (Honors-01099, CP - 01058, PS – 01002, PS-01002B)

1 Credit

World Literature: In this course, students will explore literature and the conceptualization of language from Ancient Mesopotamia to modern day multicultural literature. The course will focus on comprehension, literary analysis, cultural themes, drama, poetry, history of language, oral presentation skills, oral interpretation, and preparing the student to meet the requirements of the PA English Keystone exams. In addition, students will be required to complete an argumentative essay using Modern Language Association (MLA) standards, projects, and various written response assignments. Summer reading assignment is required for Honors 10.

Prerequisite for Honors 10: 90% average or higher in English 9 or Administration approval

ENGLISH 11 (Honors - 01055, CP - 01054, PS – 01003, PS-01003B)

1 Credit

American Literature: In this course, students will survey American literature from the Colonial Period to the Contemporary Period, focusing on the major trends and literary analysis of fiction, poetry, drama, and non-fiction. The course will stress analytical writing in response to literature in addition to informational and persuasive research papers using MLA format. Students will explore various modes of technology as a means of responding to literature.

ENGLISH 12 (CP - 01056, PS – 01004, PS-01004B)

1 Credit

British Literature: This course is designed to foster the study and analysis, both verbal and written, of British Literature. The course will focus on the following periods of literature: Anglo Saxon and Medieval, Renaissance, Restoration and 18th Century, Romantic, Victorian, and Modern and Contemporary. In order to facilitate the understanding of British literature, students will be required to write research papers utilizing both MLA and APA formats. Students will also be expected to participate in both individual and group projects and presentations.

FILMS AS TEXT (#01061)

.5 Credit

Since film's creation in the late 19th century, directors have been producing films that question the social structure, moral fiber, and humanity of our society. In this way many Classic, Modern, and Contemporary films of all genres are like books in their complexity and thematic possibilities. This course will attempt to teach students to approach film with a critical eye and that film is worthy of analysis on the level applied to short stories, novels, plays, and poetry. By viewing films in various genres, by various directors, from various time periods, students will gain exposure to some of America's greatest films and expand the scope of their critical eye. Grades will mostly come from film reviews and film analyses as well as presentations and projects.

GREAT BOOKS & BEST SELLERS (#01060)

.5 Credit

Great Books and Best Sellers are books that have captured the attention of a broad audience and can stand the test of time with themes that have connected generations and cultures, and characters that have found special places in each of our hearts. In this course, students will analyze popular texts from different authors connected through similar themes and archetypes. Students will be expected to assess what makes a text "great" or a "best seller" not only in the eyes of the critics and popular publications, but in the eyes of the average reader. Students will have a chance to view texts through different critical lenses, such as historical, psychoanalytic, cultural, and moral criticisms. Students will be required to complete assignments that demonstrate understanding of the texts such as projects, responses, discussions, or researched writing.

HUMANITIES (#04302)

.5 Credit

Students of Humanities will seek to explore areas of creative and philosophical expression that make up culture in America and in the world. Topics will include philosophy, art, film, literature, music, and history which will be investigated from a variety of perspectives. Course grades will be derived from student presentations, discussions, speeches, and analytic papers.

Prerequisite: Teacher recommendation and successful completion of sophomore year

JOURNALISM I (#01103-1)

.5 Credit

This course develops the following writing skills: news, feature, sports, column, editorial, commentary, headline and caption writing. Additionally, photography and photojournalism skills, print, and multimedia skills, layout, design and concept development for the Cardinal Chronicle and the PGA District Newsletter will be taught. Budget development and management, sales of ads, advertising design, proofreading and editing, public speaking, cooperative learning, and leadership are all included in the course. This course publishes the Cardinal Chronicle (the on-line, student-run newspaper) and the PGA District Newsletter. Each staff member develops a portfolio of his/her journalism work. Students will be expected to participate in covering all major school activities and events.

Please note: After-school and weekend time is required for this course for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

JOURNALISM II, III, IV, V, VI, VII and VIII (#11101-2 - 11101-8)

.5 Credit

This course is the continuation and application of all skills learned in Journalism and additional training in digital publishing. Students in these courses are responsible for the publication of the Cardinal Chronicle and District Newsletter. Students will be expected to select one of the five areas to focus on throughout the semester, although those who wish to work on all five are more than welcome. It prepares students for careers as digital editors and publishers: by introducing them to current professional practices and conditions of authorship, by developing fundamental journalism skills, and by exploring contemporary print and digital publishing practices. Students will be expected to participate in covering all major school activities and events.

Each staff member develops a portfolio of his/her journalism work.

Please note: After-school and weekend time is required for this course for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

Prerequisite: Journalism I or Press Media I

LITERATURE AND FILM (#01063)

.5 Credit

This course explores the complex interplay between film and literature. Students will read selected novels, short stories, plays and reviews. Analysis of the works will occur in relation to film versions in order to gain an understanding of the possibilities—and problems involved in the transfer to film. Students will be required to analyze, discuss, and respond to literature/film, as well write correctly documented research essay using MLA format.

MEDIA LITERACY (#01066)

.5 Credit

Description: In this course, students will explore literature in a different way than they ever imagined: through music and technology. Through the use of discussions, listening sessions, writing assignments, and creative projects, students will analyze song lyrics from any music genre to discover figurative language and other literary devices such as themes, symbolism, analogies, vocabulary, and meanings within the songs. Students will be required to use technology to not only analyze songs and lyrics but also to create and blend their own music, as well. Course grades will be derived from student presentations, projects, class discussions, and writing assignments.

PRESS MEDIA I, II, III and IV (#11104-1, #11104-2, #11104-3, #11104-4)

.5 Credit

This course is positioned within the frameworks of journalism, and digital publishing. This course provides comprehensive training in preparation of newspaper copy, writing of headlines, and page layout using computerized layout software for the Cardinal Chronicle and the PGA District Newsletter. It prepares students for careers as digital editors and publishers: by introducing them to current professional practices and conditions of authorship, by developing fundamental journalism skills, and by exploring contemporary print and digital publishing practices. Students will be expected to participate in covering all major school activities and events. Each staff member develops a portfolio of his/her journalism work
Please note: After-school and weekend time is required for this course for covering on-site assignments
Prerequisite: Journalism I is required for Press Media I through III

FAMILY & CONSUMER SCIENCE COURSES

CHILD DEVELOPMENT (#19255-1)

.5 Credit

This course is designed for students interested in studying the child from birth to age six. Topics include conception, pregnancy, labor and delivery, social, emotional, physical and intellectual growth of the child. An activity within a preschool classroom is expected to gain experience with children. Required take home project utilizes a baby simulator.

CHILD DEVELOPMENT II (#19255-2)

.5 Credit/1 Credit

This course is for students with an interest in working with children of daycare age to school age. Social, emotional, physical and intellectual development of the school age child are taught. Students will gain experience through assisting students in elementary classrooms. Planning and implementation of age appropriate activities will be required when requested by placement teachers. Students participating in this course are held to a contract stating expectations while in classroom placements.

Prerequisite: 80% or higher in Child Development

CHILD DEVELOPMENT III (#19255-3)

.5 Credit/1 Credit

This course is for students with an interest in working with children of daycare age to school age. Social, emotional, physical and intellectual development of the school age child are taught. Students will gain experience through assisting students in elementary classrooms. Planning and implementation of age appropriate activities will be required when requested by placement teachers. Students participating in this course are held to a contract stating expectations while in classroom placements.

Prerequisite: 85% or higher in Child Development II

CHILD DEVELOPMENT IV (#19255-4)

.5 Credit/1 Credit

This course is for students with an interest in working with children of daycare age to school age. Social, emotional, physical and intellectual development of the school age child are taught. Students will gain experience through assisting students in elementary classrooms. Planning and implementation of age appropriate activities will be required when requested by placement teachers. Students participating in this course are held to a contract stating expectations while in classroom placements.

Prerequisite: 90% or higher in Child Development III

CHILD DEVELOPMENT V (#19255-5)

.5 Credit/1 Credit

This course is for students with an interest in working with children of daycare age to school age. Social, emotional, physical and intellectual development of the school age child are taught. Students will gain experience through assisting students in elementary classrooms. Planning and implementation of age appropriate activities will be required when requested by placement teachers. Students participating in this course are held to a contract stating expectations while in classroom placements.

Prerequisite: 90% or higher in Child Development IV

CULINARY ARTS I (#16054-1)

.5 Credit

This is the beginning foods course. Skills emphasized include kitchen and personal safety, general nutrition, essential nutrients, keeping a healthy weight, and basic food preparation techniques. The course is comprised of basic theory and practical application in foods labs. Final project includes a group activity on meal planning, creating a shopping list, and utilizing proper cooking techniques to create the meal planned. This course is excellent for those who need to gain basic and practical experience in food preparation.

CULINARY ARTS II (#16054-2)

.5 Credit (11th, 12th)

This advanced culinary course introduces higher-level cooking skills to include scratch based cooking, working with yeast, marinades, and analyzing ingredient functions. Instruction on skills such as understanding recipes more in depth as well as recipe conversions will occur. ServSafe Food Handler certification will be taught and administered.

Prerequisite: 80% in Culinary I

CULINARY III (#22203-3)

.5 Credit

This course is designed for students who are interested in expanding their interest in the Culinary World. Students will be expected to prepare meals from a wide variety of foods. This is a great course for students who are interested in entering a profession with restaurant and hospitality management. The course is designed with a hands on approach while learning more about international cuisine.

Prerequisite: Successful completion of Culinary I and II, while maintaining an 80% or higher in Culinary II

FAMILY LIVING (#22208)

.5 Credit

This course deals primarily with looking into the roles and responsibilities of one to be an independent adult. Topics taught include relationships, communication skills, conflict resolution, and individual roles. In addition, students will also explore career search, budgeting skills for self and families, money management and credit. This is a great course to gain practical knowledge on skills needed to live independently.

HOME DÉCOR/INTERIOR DESIGN (#19263)

.5 Credit

This course allows students to analyze, evaluate, reflect and project individual housing needs, both present and future. This course introduces basic principles of design, color theory, interpretation of and designing their own floor plans, historic architecture and past and modern housing styles. Students will digitally design their own home through an online program. Cost analysis of renting and owning will be explored so students gain practical knowledge for living independently.

TEXTILE DESIGN (#22205)

.5 Credit

This course is a course to introduce basic sewing skills to students. Students will learn skills such as sewing on buttons, simple hand stitches, how to thread and use a sewing machine, and reading and using patterns. Students will learn about fibers, textiles, and choosing the proper fabric for different projects. Students will complete various projects of interest to them as well as participate in a collaboration activity with elementary students.

TEXTILE DESIGN – COMMUNITY SERVICE COURSE (#19204)

.5 Credit

This course will be for students who have excelled in the Textile Design Course. Students taking this course will work on projects for local facilities, such as nursing homes or daycare centers. Students must be willing to complete projects assigned, and they will vary from semester to semester based on community need. Examples of projects would be bags for walkers, lap blankets, tactile blankets, and various other projects.

Prerequisite: 90 % or higher in Textile Design

FINE and APPLIED ARTS

3D ART & SCULPTURE (#05162)

.5 Credit

In this introductory course, students will become familiar with and learn how to use the elements of visual design. They will learn processes and techniques in a variety of materials including; ceramics, cardboard, textiles and more. Students should anticipate a studio-based art class which may include creative problem solving, production of artwork, critiques, and self-evaluation.

ADVANCED PLACEMENT STUDIO ART: 2D (#05174)

2.0 Credit (11th, 12th)

The AP Studio Art portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios at the end of the year for evaluation.

In this course, students will create a 2D portfolio of original artwork that is focused on a Sustained Investigation of the student's choice. The AP Studio Art 2D Portfolio is intended to address a very broad interpretation of design issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract, observational, and invented works may demonstrate drawing competence.

Prerequisite: 90% or higher in Draw II/Paint II or teacher recommendation

ADVANCED PLACEMENT STUDIO ART: 3D (#05175)

2.0 Credit (11th, 12th)

The AP Studio Art portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios at the end of the year for evaluation.

In this course, students will create a three-dimensional/sculptural portfolio that is focused on a Sustained Investigation topic of the student's choice.

The AP Studio Art 3D Portfolio is intended to address a very broad interpretation of 3-dimensional issues and media, including the development of realistic or abstract form, conceptual meaning, symbolic materials, texture, color, etc.

Prerequisite: 90% or higher in Draw II/Paint II or teacher recommendation

ADVANCED PLACEMENT STUDIO ART: DRAWING (#05172)

2.0 Credit (11th, 12th)

The AP Studio Art portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios at the end of the year for evaluation.

In this course, students will create a three-part drawing portfolio of at least twenty-four works of original art which are categorized in the areas of Quality [5 works of art], Concentration [12 works of art], and Breadth [12 works of art].

The AP Studio Art Drawing Portfolio is intended to address a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract, observational, and invented works may demonstrate drawing competence.

Prerequisite: 90% or higher in Draw II/Paint II or teacher recommendation

CAREERS IN ART (#05198)

.5 Credit

This course is designed to help students envision, prepare, and plan for a career in art. In this course our panelist will guide you through their own experiences of discovering their passion for art in a variety of areas: studio art, graphic design, and how they can succeed in Art as a career. We will learn about how to set up online shops, self-promotion and considering price points for their products.

CERAMICS I (#05158)

.5 Credit

This in-depth academic course exclusively in clay media is for the highly motivated art student. Students will work extensively with the investigation of clay media and the Elements and Principles of Art and Design through cross-curricular and art history related projects. Students will learn the vocabulary, techniques and processes of successful ceramic building, including pinch pots, slab rolling, mug design, and sculpture. Students will participate in regular critiques of the work of famous artists, peers, and self to better understand art. In addition to projects, required work for this class includes sketchbook and writing assignments.

CERAMICS II (#05159)

.5 Credit

Students will work extensively with the investigation of clay media with advanced projects that build upon the techniques and skills learned in Ceramics I. Students will incorporate concept and theme into their projects, as well as be introduced to thrown pottery on the wheel. Students will participate in regular critiques of the work of famous artists, peers, and self to better understand art. In addition to projects, required work for this class includes sketchbook and writing assignments.

Prerequisite: 70% or higher in Ceramics

CHILDREN'S BOOK ILLUSTRATION (#05155C)

.5 Credit

This course combines both creative writing and artistic exploration. Students will study the field of Illustration, focusing on the work of children's book authors and illustrators. This course will focus on developing greater artistic design skills, utilizing the successful incorporation of the Elements and Principles of Design. This course will also focus on the development of personal artistic style. Students will be required to both write and illustrate their own children's book throughout this semester-long course.

Prerequisite: 85% or higher in Drawing I and Painting I

DIGITAL PAINTING I (#05169)

.5 Credit

This course will build upon skills learned in Drawing and Painting 1. Students will build upon past knowledge of painting and drawing techniques, and translate those into digital painting media. This course will focus on the artistic techniques needed to create digital art, such as, color mixing and theory, value, texture, and shading. Students will create both realistic renderings as well as creative designs. Students will study the art of current digital artists and painters to learn about style and technique.

Prerequisite: 85% or higher in Drawing I and Painting I

DRAWING I & PAINTING I (#05201) DRAWING I (#05156) PAINTING I (#05157)

.5 Credit

This course will focus on both drawing and painting media with the exploration of ideas through the Elements and Principles of Art and Design. This course will incorporate advanced techniques through cross-curricular and art history related projects.

Part I of this course will concentrate on drawing techniques, focusing on shading, form, value, composition, perspective and creativity. Students will work in a variety of drawing media, such as graphite and charcoal. Life drawing and working from observation is a key part of this course and will be worked through with weekly sketchbook assignments.

Part II of this course will focus on painting techniques. Students will learn both acrylic and watercolor painting techniques while also utilizing the skills and principles [value, form, shading, composition, etc.] that they learned in Part I. Students will work in monochromatic scales as well as color.

Students will participate in regular critiques of the work of famous artists, peers and self in order to better understand art.

DRAWING II [2D Design] (#059993)

.5 Credit

This in-depth academic course will build upon the skills and principles previously learned in Drawing I [shading, form, value, composition, perspective and creativity]. Students will work with various 2D drawing media, such as pencil, charcoal, Prisma colors, pen & ink, and printmaking to explore the Elements and Principles of Art and Design. Life drawing, realistic drawing, and creative/conceptual drawing will be the basic foundation for this course. Students will participate in regular critiques of the work of famous artists, peers, and self to better understand art. In addition to projects, required work for this class includes weekly sketchbook and writing assignments

Prerequisite: 70% or higher in Drawing I & Painting I

FOUNDATIONS OF ART (#059991)

.5 Credit

This introductory academic course will cover the Elements and Principles of Art and Design with cross-curricular projects, art history and art vocabulary. This course is a foundation class and will focus on the introduction of methods and techniques in both 2D and 3D art, including sculpture, collage, watercolor, and drawing. Students will participate in regular critiques of the work of famous artists, peers and self in order to better understand art. In addition to projects, students will create weekly sketchbook and writing assignments.

INDEPENDENT ART (#05151)

.5 Credit

This course is designed for the highly motivated art student. This course will focus on advanced skills and techniques in both 2D and 3D media. Students will create in-depth assignments which combine successful skills and techniques with personal creativity and concepts. Students will be encouraged to be independent, motivated, and self-sufficient in the development of themes and ideas for assignments. Students will participate in weekly sketchbook and writing assignments to create cross-curricular lessons. Students will also participate in frequent classroom critiques of personal work, peer work, and famous artists, to develop advanced skills and vocabulary while talking about [critiquing] art and aesthetics.

Prerequisite: 70% or higher in Level 2 Course (Ceramics 2, Painting 2, Drawing 2, 3D Design)

PAINTING II (#05155)

.5 Credit

This in-depth academic course will build upon the skills and techniques learned in Painting I. Students will further their skills in the painting mediums of watercolor and acrylic, while also getting an introduction to oil painting techniques. Students will learn how to realistically color match, as well as mix flesh tones and successfully create value for realistic paintings. Students will make a realistic self-portrait while also exploring the works of famous artists. Students will participate in self and peer critiques and evaluations. In addition to projects, required work for this class includes an ongoing mini-sketchbook, homework, and writing assignments.

Prerequisite: 70% or higher in Drawing I & Painting I

SENIOR PORTFOLIO I (#05154)

.5 Credit

Part I: This individually based academic course is for the highly motivated art student with the prerequisite of the desire to enroll in an art school after graduation, and must have permission from the instructor. Students must have the desire to grow with in-depth projects that will culminate in a complete *art portfolio that is ready for college admissions*. Students will work with the teacher to create projects that are both cross-curricular and art history related in order to create a strong body of work.

Prerequisite: Permission is needed by the instructor prior to enrollment into this course.

SENIOR PORTFOLIO II (#05999)

.5 Credit

Part II: This individually based academic course is for the highly motivated art student with the prerequisite of the desire to enroll in an art school after graduation, and must have permission from the instructor. Students must have the desire to grow with in-depth projects that will culminate in a complete *art portfolio that is ready for college admissions*. Students will work with the teacher to create projects that are both cross-curricular and art history related in order to create a strong body of work.

Prerequisite: Permission is needed by the instructor prior to enrollment into this course.

HEALTH & PHYSICAL EDUCATION

COACHING YOUTH SPORTS (#08006)

.5 Credit

This course is designed to help you improve your understanding of a variety of important areas related to coaching youth sports, including The Psychology of Coaching Children, Motivating Young Athletes, Teaching Sportsmanship, Building Confidence, Organizing Fun and Productive Practice Sessions, Communicating with Parents, Injury Prevention, Nutrition, Hydration and much more.

Prerequisite: Successful completion of Physical Education during 9th & 10th grades

DRIVER'S EDUCATION(#08051D)

.25 credit

This course includes safety education designed to equip the beginning driver with a practical and realistic guide of the fundamentals of driving and rules of the road.

FITNESS & WEIGHT TRAINING (#08005)

.5 Credit

Fitness and weight training is a combination of classroom, weight training and cardiovascular fitness activities. Students will take part in activities that will enhance cardiovascular fitness, muscular strength and endurance, flexibility, and body composition. The benefits of exercise, exercise nutrition, and its effect on the systems of the body will be introduced. The primary objectives of this course are to improve the health-related components of fitness, its relationship to sports, and to enable the student to make intelligent decisions regarding exercise/fitness program design and application.

Prerequisite: Successful completion of Physical Education during 9th& 10th Grade

HEALTH (#08051)

.25 credit

Health education presents the materials high school students need in order to understand how to become and stay healthy. This course is geared to adolescent students who are not only reaching physical maturity, but also assuming responsibility for many behavior patterns that will affect their health throughout their lives. This course will teach students the skills necessary to weigh options, to make decisions, and to develop behaviors that promote healthy lifestyles.

PHYSICAL EDUCATION (#08001 – PE #08001G – Girls #08001B - Boys)

.5 Credit

Physical Education provides guidance and instruction through physical activities to meet the fitness needs of students in developing their sports and recreational knowledge. This course is designed to expose a student to a variety of activities from large group teamwork to individual lifetime activities that will give the student personal opportunities for a physically active life.

Prerequisite: Successful completion of 1 Credit of Physical Education with a grade of 85% or higher is required to enroll in future Physical Education classes.

WELLNESS (#08052)

.25 credit

This High School Wellness course helps students build healthy habits for their physical, mental, and emotional well-being. Students will take part in fun and hands-on lessons about topics like weight training, safe driving, managing stress, staying fit, first aid and CPR, teamwork, leadership, and how technology affects health. The course teaches important skills like setting goals, making good decisions, and working well with others, helping students take care of themselves and make a positive difference in their communities.

JUNIOR RESERVE OFFICER's TRAINING CORPS (JROTC) PROGRAM

Overview of Program:

The mission of JROTC is **"To Motivate Young People to Be Better Citizens"**.

The curriculum is focused on instruction in leadership, citizenship, personal wellness and numerous other relevant subjects that contribute to total student development. The program produces successful students and productive adults, while fostering a more constructive and disciplined school learning environment. The program makes substantial contributions to many local communities through frequent service opportunities.

There is **no** military obligation connected with participation in the JROTC program. JROTC is not a recruiting program for the military however; satisfactory completion of the program can lead to advanced placement credit in the Senior ROTC (collegiate-level) program or advanced rank in the Armed Forces. It is preferred that students enter the program as freshman to garner the most benefit from the program, however students may join the program at any point of their high school career with coordination and approval of the Guidance Department and the JROTC instructors.

The program teaches students to:

- Appreciate the ethical values and principles that underlie good citizenship.
- Develop leadership potential and work effectively as a member of a team.
- Think logically and communicate effectively, both orally and in writing.
- Appreciate the importance of physical fitness in maintaining good health.
- Understand the importance of high school graduation for a successful future.
- Become familiar with military history as it relates to America's culture, and understand the history, purpose, and structure of the military services.

Extracurricular activities that are optional for enrolled JROTC cadets include:

- Drill Team
- Color Guard
- Air Rifle Team
- Raider Team (emphasizes teamwork, skills in land navigation and first aid, rope bridging and physical fitness).

Junior ROTC Cadet Leadership Challenge is a one-week summer camp that supplements the JROTC curriculum for selected upper class cadets. Focus is placed on further developing cadets' character and leadership skills and abilities, and potential. Students who complete 4 years of JROTC will be exempt from 1 credit of Physical Education due to the Physical Training encompassed in the JROTC Program. (2 years = 0.5 credit)

AVIATION (#09996)

.5 Credit

This course sets a sturdy foundation of required aeronautical knowledge for remote pilots of Unmanned Aerial Systems (UAS) less than 55 pounds. The curriculum addresses all pertinent aeronautical knowledge factors outlined by the FAA for the Unmanned Aircraft General (UAG) examination and augments those with safety concepts and practices to develop well-informed and responsible remote pilots. Students who successfully complete the course will receive a certificate of completion from Aviation Research Group United States (ARGUS) Unmanned and will be well-prepared to pass the UAG exam.

JROTC I (#09051)

1 Credit

The first year of the course provides an introduction into the Junior Reserve Officers' Training Corps (JROTC) program. Activities to develop leadership and management skills will be stressed. Basic military skills are utilized to teach self-discipline, confidence, and pride in accomplishing assigned tasks. Students will have challenges and opportunities to sharpen communication skills, promote and encourage citizenship through participation in community service projects, and develop leadership potential.

JROTC II (#09052)

1 Credit

The second year of the course builds on what was learned during JROTC I, with emphasis placed on the further development of leadership ability, oral communications, drill and ceremonies, first aid skills, map reading, U.S. military history, and basic air rifle marksmanship. Students will be placed in leadership positions and are expected to demonstrate the ability to work cooperatively with others.

Prerequisite: Approval from the Senior Army Instructor.

JROTC III (#09053)

1 Credit

The third year of the course places more emphasis on leadership within the JROTC cadet battalion. Students will gain more leadership skills and experience by taking on added responsibility which will help them succeed during and after high school. The importance of military history during the post-Civil War period to World War II will be covered. Career opportunities will include discussions on ROTC scholarships and military service academy programs.

Prerequisite: Approval from the Senior Army Instructor.

JROTC IV (#09054)

1 Credit

The final year of the course places primary emphasis on the practical application of the student's leadership duties and responsibilities within the cadet battalion. Students will receive practical experience in problem solving, group management, and challenges in leadership. Students will apply the principles of the planning and decision-making/problem-solving processes, and supervisory techniques in fulfilling course requirements. The course uses group dynamics to plan and conduct major projects and events. Continued emphasis is placed on community service projects. An independent study option is available for qualified students.

Prerequisite: Approval from the Senior Army Instructor

STRATEGIC LEADERSHIP (#09004)

.5 Credit

Strategic Leadership is a semester long course which will examine the principles of leadership and their application across the spectrum of human endeavor – business, politics, the military, sports, etc. Classroom instruction will focus on case studies and directed readings, supplemented with guest lecture and multi-media presentations. Students will be evaluated through a series of quizzes and one independent research project that will include an oral presentation and a written report.

MATHEMATICS

ALGEBRA I (CP-02053, PS-02052, PS-02052B)

1 Credit

The course is a continuation of the study of the real number system. It applies mathematical principles in simplifying algebraic and numerical expressions, as well as in solving various equations and inequalities. The course also deals with simplifying polynomial expressions, factoring, and graphing linear functions. This course also focuses on refining problem solving skills in a variety of practical applications.

ALGEBRA II (Honors-02057, CP-02056, PS-02058, PS-02058B)

1 Credit

This course is an extension of Algebra I, but it goes well beyond the limits of the previous course. The types of equations expand to include quadratic and fractional as well as solving systems of equations. It includes a further study of factoring methods and of simplifying rational expressions. The problem solving skills are continually refined with more involved and more sophisticated applications using one or two variables in various equations and inequalities.

Prerequisite: Successful completion of Algebra I

ADVANCED PLACEMENT CALCULUS (#02124)

1 Credit

This course will cover the same topics as Honors Calculus but in a more in-depth, accelerated manner, as well as several additional topics. More emphasis and interpretation will be placed on the various concepts in abstract form. Applications of the concepts studied will be routinely investigated with most of the year being devoted to topics in differential and integral calculus as per the goals of the College Board. A graphing calculator (TI-83, TI-84 or above) is required for this course. There will be a summer review assignment given for students who wish to take this course. Students will be required to take the Advanced Placement exam at the end of the year as per the College Board timeline.

Prerequisite: Successful completion of Algebra I, Algebra II, and Geometry and a grade of 90% or higher in either Trigonometry/Pre-Calculus and Honors Calculus or Administration approval

ADVANCED PLACEMENT PRE-CALCULUS (#02123)

1 Credit

This course is designed to be the equivalent of a first semester college pre-calculus course. AP Pre-calculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. This course explores a variety of function types and their applications-polynomial, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices.

Prerequisite: Successful completion of Algebra I, Algebra II

ADVANCED PLACEMENT STATISTICS (#02203)

1 Credit

The purpose of this AP Course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics of discussion will encompass descriptive and inferential statistics to include sampling and survey techniques, descriptive statistics, probability, counting methods, the normal curve and its applications, confidence intervals, hypothesis testing, and regression analysis. This is a rigorous course that involves work outside of the classroom. Students in the AP Statistics course will be required to take the AP Statistics Exam developed by the College Board.

Prerequisite: 90% or higher in Probability & Statistics or Administration approval

FUNDAMENTALS OF PROBABILITY/STATISTICS (#02204)

.5 Credit

This math course will focus on the concepts of probability/statistics. The course will start with the basics of probability/statistics. The class will learn the fundamental counting principle, permutations, combinations and odds. The class will also go through the differences of independent, dependent, mutually exclusive, and compound events. The course will use all methods of learning, from textbook and notes to activity based.

Prerequisite: Successful completion of Algebra I

FUNDAMENTALS OF TRIGONOMETRY (#02106)

.5 Credit/1 Credit

This course will deal with six trigonometric functions, their definitions, and their graphs. Students will solve problems involving right and oblique triangles, as well as transform and verify trigonometric identities. The solving of trigonometric equations is also introduced as well as finding the area of triangles, circular segments, and sectors.

Prerequisite: Successful completion of Algebra I

GEOMETRY PS (#02071, PS-02071B)

1 Credit

This course deals with the application geometry; definitions and theorems in completing proofs and in problem solving in a variety of practical and theoretical situations. Topics include: congruent and similar polygons, parallel lines, circles, the Pythagorean Theorem and related right triangles, as well as measurements and constructions of various models and the calculation of perimeter, area, and volume.

Prerequisite: Successful completion of Algebra I

GEOMETRY (CP- 02072, Honors- 02073)

1 Credit

This course deals with the logical development of Euclidean geometry through the application of definitions and theorems in completing proofs and in problem solving in a variety of practical and theoretical situations. Topics include: congruent and similar polygons, parallel lines, circles, the Pythagorean Theorem and related right triangles, as well as measurements and constructions of various models and the calculation of perimeter, area, and volume.

Prerequisite: Successful completion of Algebra I

HONORS CALCULUS (#02106)

1 Credit

This course will provide a student with an in-depth study of the basic concepts of Calculus encountered in college. It will include the theory, techniques, and applications of differentiation and integration using polynomial, rational, logarithmic, exponential, and trigonometric functions. Use of a graphing calculator is required (TI-83 TI-84 or above). Students who are interested in math and who desire either the math or science field are strongly encouraged to take this course.

Prerequisite: Successful completion of Algebra I, Algebra II, and Geometry; a grade in Trigonometry/Pre-Calculus of 85% or higher

INTEGRATED MATH (#020613, 020613B)

.5 Credit/1 Credit (10th – 12th)

This math course is designed to reinforce all of the mathematical skills needed for twelfth grade students before graduation. This course will incorporate number theory, algebra, business mathematics, and geometry/measuring. This course will strengthen the most valuable mathematical concepts that students will use in their life after high school.

MATH ESSENTIALS (#02003)

.5 Credit

This math course is designed to reinforce all of the mathematical skills needed for students before graduation. This course will incorporate number theory, algebra, business mathematics, geometry, and measuring. This course will strengthen the most valuable mathematical concepts that students will use in their life after high school.

Prerequisite: Successful completion of Algebra I

PRE-ALGEBRA (#02051, 02051B)

1 Credit

This course is a continuation of the study of the real number system. It applies mathematical principles in simplifying algebraic and numerical expressions, as well as in solving various equations and inequalities. The course also deals with simplifying polynomial expressions, factoring, and graphing linear functions. This course also focuses on refining problem solving skills in a variety of practical applications. This will be a slower paced course to ensure the individual needs of the students are met. Students may enroll into this class with a recommendation from the teacher of the previous year.

STATISTICS & PROBABILITY (#02201) (STATISTICS #02201-S, PROBABILITY #02201-P)

.5 Credit/1 Credit

This advanced mathematics course explores the topics of descriptive statistics, probability, estimation, hypothesis testing, and linear regression using a college level textbook and an activity based approach.

Prerequisite: 80% or higher in Algebra II

TRIGONOMETRY/PRE-CALCULUS (Honors #02105, CP #02107) (TRIGONOMETRY #02107-T, PRE-CALCULUS #02107-PC)

.5 Credit/1 Credit

This course will provide a student with an in-depth study of the basic concepts of both Trigonometry and Pre-Calculus. The first half of the course will deal with the six trigonometric functions, their definitions, and their graphs. Students will also learn to solve problems involving both right and oblique triangles, as well as transform and verify trigonometric identities and expressions. The solving of trigonometric equations is also introduced, as well as finding the areas of triangles, circular segments, and sectors. The second half of the course introduces students to and requires them to solve problems relating to quadratic relations (conic sections), exponential and logarithmic functions, and sequence and series. Use of the TI-83 and TI-84 graphing calculators will be extensive, and students must have their own calculator (either **scientific** or **graphing**) to complete any out-of-class work done in this course.

Prerequisite: Successful completion of Algebra I, Algebra II, and Geometry

SCIENCE

AGRICULTURAL SCIENCE (#18002)

.5 Credit (9th – 12th)

This course is designed to make students more aware of the latest concepts in agricultural science. Topics to be covered include: FFA, history of agriculture, agriculture today, and agricultural careers.

AGRICULTURE MECHANICS (#18401)

.5 Credit (9th – 12th)

The course includes units in small gas engines, hydraulics, and surveying. The course will also address safety, the operation of hand and power tools, and measurements associated with each unit of study. Class participation, quizzes and tests, and projects will be used for evaluation.

ANATOMY AND PHYSIOLOGY (#03053) (ANATOMY #03054, PHYSIOLOGY #03055)

1 Credit (11th, 12th)

These courses are upper level Science courses that are designed to challenge those motivated students who are considering majoring in the medical field. Students are expected to learn the material at an advanced pre-college level. The following topics will be covered: the cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and the reproductive system.

Prerequisite: 80% or higher in Chemistry and Biology I

ANIMAL SCIENCE (#18101)

.5 Credit (S2, 9th – 12th)

This course is designed to make students more aware of the latest concepts in animal science. Topics to be covered include: animal classification, animal species, animal behavior, consumer concerns, animal welfare, growth and development, nutrition, parasites and disease.

ADVANCED PLACEMENT BIOLOGY (#03056)

2 Credits (11th, 12th)

AP Biology is the continuation of Biology where more complex principles of Biology will be studied. AP Biology is designed to provide the same level of complexity and quantity of material as a first-year college Biology class and lab. The course is recommended for any college preparatory student who wishes to pursue a career in the medical and science fields. Topics to be studied include ecology, evolution, anatomy, physiology, biochemistry, genetics and how they relate to the study of all living things. A strong emphasis will be placed on more intensive lab work than was experienced in CP Biology. As with all Advanced Placement courses, AP Biology is an intensive and demanding learning experience. It will be taught in a double period format, and extensive laboratory experiences will be required. The reading in this course is extensive, and homework is a must. This course will also prepare you to take the AP Biology Exam and college credit may possibly be awarded.

Prerequisite: 90% or higher in Honors or CP Biology, Honors or CP Chemistry, and Honors or CP Algebra II

ADVANCED PLACEMENT CHEMISTRY/LAB (#03106)

1 Credit (11th, 12th)

AP Chemistry is the continuation of college preparatory chemistry where more complex principles of chemistry will be studied. AP Chemistry is designed to provide the same level of complexity and quantity of material as a first-year college chemistry class and lab. The course is recommended for any college preparatory student who wishes to pursue a career in the medical and/or science fields, or any student who likes a challenge. Topics to be studied include: oxidation and reduction reactions, electrochemistry, chemical kinetics, thermodynamics, nuclear chemistry, elementary organic chemistry, as well as additional experience with the concepts presented in College Preparatory chemistry. A strong emphasis will be placed on more intensive lab work than was experienced in college preparatory chemistry, including the synthesis of chemical products and more complex quantitative means of measurement. Students will be required to plan some of their own experiments and compose lab reports to summarize the results of their experiments.

Prerequisite: 85% or higher in Chemistry II or Administration approval

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (#03207)

2.0 Credits (10th – 12th)

AP Environmental Science provides an investigative approach to interactions among human systems and those found in nature, with an emphasis on core ideas, science practices, and cross cutting concepts. The 9 units are: 1) The Living World: Ecosystems, 2) The Living World: Biodiversity, 3) Populations, 4) Earth Systems and Resources, 5) Land and Water Use, 6) Energy Resources and Consumption, 7) Atmospheric Pollution, 8) Aquatic and Terrestrial Pollution, and 9) Global Change.

The AP Environmental Science course is designed to be the equivalent of an introductory college course in environmental science, and is accompanied with an AP test in May.

Prerequisite: 90% or higher in Environmental Science, Biology, or Chemistry; and passing of Algebra II

AP PHYSICS I (#03165)

1 Credit

AP Physics is organized around ideas that bring together the fundamental science principles and theories of general physics. This course will include, but is not limited to, the following topics: Gravitation, Energy, Work and simple machines, Energy and its conservation. This course will be equivalent to an algebra-based college level Physics course. This course is recommended for any students planning on going to college for a career in such fields as Chemistry, Physics, Cosmology, Materials Science and Engineering

Prerequisite: 90% or higher in Physics I, 90% or higher in Algebra II, Trig/Pre-Calc, and Chemistry

ASTRONOMY (#03004)

.5 Credit

This course will be focused on the study of the universe. Over the course of the year, we will cover the origins of the universe, the evolution of the universe on a large time scale, principles of gravity including formation of stars, black holes, and galaxies, space travel, our solar system, and many other topics.

BIOLOGY I (Honors-03052, CP- 03051, PS-03099, PS-03099B)

1 Credit (9th)

This is an introductory course in biology that employs a laboratory approach. Students observe processes taking place, instead of relying on the conclusions of a traditional textbook. Some of the concepts stressed in the course are: the origin, development, and cellular basis of life; fundamental biological principles; processes and structures of organisms; reproduction; genetics; evolution of plants and animals; through systematic comparison and interrelationships and interdependence of organisms.

CHEMISTRY (Honors-03101H, CP-03101C, PS-03101P, PS-03101PB, CP Block-03101B)

1 Credit (10th)

Chemistry is an introduction to the major principles of chemistry and is recommended for the college bound student. This course is also recommended for all junior or senior students planning on going to college for a career in the nursing, medicine, science, physical therapy and other related fields. Specific topics that will be studied include matter, energy, atomic structure, theories of chemical bonding, mass relationships of elements and compounds, gases, acids, bases, salts, chemical equilibrium and solubility. This course will have a significant portion of hands-on laboratory work with students working in small groups to perform experiments that support the concepts presented in class. Keep in mind that chemistry will combine with many mathematics skills learned in previous classes.

Prerequisite: Algebra I - passing 80% or higher or teacher recommendation

CHEMISTRY II (#03102)

1 Credit

Chemistry II is a course designed to continue the study of the major principles of chemistry and is recommended for students considering taking AP Chemistry. This course is also recommended for all junior or senior students planning to go to college in a science-related field of study. Specific topics that will be studied are: Acids and Bases, Gas Laws, Thermochemistry, Solutions, Chemical Kinetics, Organic Chemistry, Chemical Equilibrium, Application of Aqueous Equilibrium, Spontaneity, Entropy, and Free Energy, Electrochemistry.

Prerequisite: 85% or higher grade in CP Chemistry or 80% or higher in Honors Chemistry or teacher recommendation; 80% or higher in Algebra I & II or a teacher recommendation

CONSERVATION (#18549)

.5 Credit (S2 9th – 12th)

This course is designed to introduce students to the fields of natural resource management, wildlife management, forestry, and ecology. Topics to be covered include conservation, regional plant and animal identification, game management, mineral and energy resources, renewable resources, and environmental science. Students will explore careers that exhibit stewardship and respect for the environment. Learning will be carried out through classroom instruction, indoor and outdoor lab activities, a field trip, guest speakers, and hands-on projects.

EARTH AND SPACE SCIENCE (# 03008)

.5 Credit

Students will gain a better understanding of the planet on which they live, and apply the knowledge to their daily lives. From inside the earth to its surface to the surface of planets and stars, geologic time, and massive changes the universe has gone through.

ENVIRONMENTAL CHEMISTRY (#03203)

.5 Credit (11th, 12th)

Environmental Chemistry will present the major principles of chemistry with less emphasis on mathematics. This course is recommended for all students not wishing to continue their education after high school in a 4-year degree program. Environmental Chemistry will cover many major topics of chemistry including: matter, energy, atomic structure, theories of chemical bonding, chemical equations and reactions, mass relationships of elements and compounds, gases, acids, bases, and salts.

ENVIRONMENTAL SCIENCE (#03003, 03003B)

.5 Credit (9th – 12th)

This elective course is designed primarily to make students more aware of the need for conservation of our natural resources. The 8 Chapters include: 1) Science and the Environment, 2) Tools of Environmental Science, 3) The Dynamic Earth, 4) The Organization of Life, 5) How Ecosystems Work, 6) Biomes, 7) Aquatic Ecosystems, and 8) Understanding Populations.

EXPLORING CAREERS IN SCIENCE AND TECHNOLOGY (#039992C)

.5 Credit

Students will complete various School-to-Community activities in order to prepare for both post-secondary education and employment. Video field trips, guest lecturers, and hands on activities will prepare students to explore various career options in science and technology related fields. Students will learn skills needed to successfully prepare and obtain employment leading to a successful career in a STEAM related field. They will develop an understanding of the connection between high school science, technology, and mathematics education, and employability; and understand the education requirements for different types of career pathway options from floor worker or a technician to a plant engineer. Students will learn the importance of working in teams, utilizing proper communication skills, and developing the characteristics needed for future employment in the 21st century.

FORENSICS (#03149-1)

.5 Credit (11th, 12th)

Forensic Science is the application of science to law. Forensic science will encompass several scientific disciplines into the curriculum such as biology, chemistry, physics, and earth science. Topics for this class will include: chemical analysis of evidence, crime scene investigation, evidence processing and handling, documentation examination, evidence impressions, and principles of serology and DNA analysis, ballistics, and arson. Each unit will include laboratory examination and forensic concepts.

Prerequisite: Successful completion of Chemistry

FORENSICS II (#03149-2)

.5 Credit (11th, 12th)

Forensic Science is the application of science to law. Forensic science will encompass several scientific disciplines into the curriculum such as biology, chemistry, physics, and earth science. Topics for this class will include: chemical analysis of evidence, crime scene investigation, evidence processing and handling, documentation examination, evidence impressions, and principles of serology and DNA analysis, ballistics, and arson. Each unit will include laboratory examination and forensic concepts.

Prerequisite: Successful completion of Chemistry, Forensics I

FORESTRY (#18502)

.5 Credit (9th – 12th)

This course is designed to make students more aware of the latest concepts in forestry science. Topics to be covered include: forest regions, tree species, forest management, dendrology, forest technologies, and forest products.

FOUNDATIONS IN SCIENCE (#03064)

1.0 Credit

This course offers targeted instruction, practice, and review designed to help students develop scientific fluency, deepen conceptual understanding of the sciences, and apply scientific thinking and literacy skills. The four main modules within this course are: Life Science, Earth Science, Environmental Science, and Physical Science.

GENETICS (#03059)

.5 Credit

Students in this course briefly review basic concepts of heredity and then explore more complex concepts such as polygenic inheritance and sex-linked traits. They study the genetics of relatively simple organisms, such as bacteria, learning how these prokaryotic organisms are used as tools in current genetic research. Students then consider the genetics of more complex organisms, including humans. They gain insights into both the negative and positive effects of mutations as they investigate the genetic basis of cancer and inherited disorders and explore how mutations increase variation within a population. This course is designed to provide students with knowledge of genetics and a clear understanding of the complex issues it presents.

Prerequisite: 80% or higher in Biology

HORTICULTURE 1 (#18052-1)

.5 Credit (9th – 12th)

This course is designed for students to learn about the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant parts and functions, plant growth and development, plant nutrition, media selection, basic plant identification, pest management, and career opportunities.

HORTICULTURE II (#18052-2)

.5 Credit (S2, 9th – 12th)

This course will allow students to expand their scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems, light effects, basic landscape design, installation and maintenance, lawn and turf grass management.

INTRO TO PHYSICS (#03162)

.5 Credit (9th – 12th)

This is an introductory course in Physics. The focus of the course will be to give students a general background of some of the major principles in Physics. The course will be a combination of lab based assessments and teacher guided learning. Possible topics of discussion will include: Motion, forces, and Newton's Laws, work power and simple machines, energy, electricity and magnetism, etc.

Prerequisite: Algebra I

MEAT AND FOOD SCIENCE (#18305)

.5 Credit (9th – 12th)

This course is designed to make students more aware of the latest concepts in food science. Topics to be covered include: nutrition, food chemistry, food preservation, food products, food safety, units of measure, meat science, and environmental concerns.

MONSTERS INSIDE ME (#18505)

.5 Credit (S2, 9th – 12th)

This course is designed to introduce students to the fields of epidemiology, parasitology, zoology, applied entomology, zoonosis, and immunology. Topics to be covered include parasite behavior, parasite growth and development, vector borne diseases, distribution and control of infectious diseases, and infectious disease identification. Students will explore the several disease causing agents: bacteria, viruses, fungi, prions, worms, and protozoans.

In Eastern Pennsylvania, we have a very serious zoonosis plaguing our backyards: Lyme disease.

Students will complete a semester-long project about the distribution and abundance of the Black Legged Tick (*Ixodes scapularis*) in Pine Grove, PA. Learning will be carried out through classroom instruction, indoor and outdoor lab activities, a field trip, guest speakers, and hands-on projects.

NATURAL RESOURCE MANAGEMENT (#18504)

.5 Credit (S2, 9th – 12th)

This course is designed to make students more aware of the need for the conservation of our natural resources. Topics to be covered include: energy, growth and regulating populations, water pollution, air pollution, land pollution, land and water use, and agriculture's impact on natural resources.

PHYSICAL SCIENCE (#03159)

.5 Credit/1 Credit (10th – 12th)

This is an introductory general science course with a focus on physical science. The areas of physical science are physics and earth and space science. The basic concepts found in both disciplines will be explored. Some of the concepts stressed in the course include: general science skills, motion, forces and motion, forces in fluids, work, power and machines, states of matter, atomic structure, the periodic table, chemical bonds, chemical reactions, solutions, energy, thermal energy and heat, mechanical waves and sound, EM spectrum and light, optics, electricity, and magnetism, earth's surface and interior, weather and climate, the solar system, and exploring the universe.

PHYSICS: MECHANICS (#03151)

1 Credit (11th, 12th)

Physics is the application of mathematics to the physical world; therefore, a strong background in mathematics is required. This class will emphasize but not be limited to: linear motion, momentum, projectile motion, planetary motion, work, energy, simple machines, states of matter, and various other contemporary topics of the physical world. Various labs and demonstrations will be done in class throughout the year.

Prerequisite: 80% or higher in Algebra II and Chemistry, Trigonometry concurrent enrollment or completed.

PHYSICS: HEAT, ELECTRICITY & MAGNETISM (#03152)

1 Credit (11th, 12th)

Physics II is a continuation course from Physics I. The basis of this course will be in the material that we cannot get to in the first year Physics course and will include, but not be limited to, the following topics: Gravitation, Energy Work and Simple Machines, Energy and its conservation, Thermal Energy, States of Matter, Waves, Light, Optics, Electromagnetism, Atoms, and Nuclear Physics. The class will be a rigorous look at these topics, with a strong mathematical background being required. The coursework will be a mix of teacher guided instruction, student work as both individuals and groups, and lab work.

Prerequisite: 80% or higher in Algebra II and Chemistry. Trigonometry concurrent enrollment or completed.

PRINCIPLES OF BIOLOGY (#K03051)

.5 Credit

This course will be focused on preparing students to meet the requirements of the PA Biology Keystone exams. * Requirement for all students not scoring proficient or advanced on the PA Keystone exam.

SMALL ANIMAL SCIENCE (#18102)

.5 Credit (S2, 9th – 12th)

This course is designed to introduce students to the latest concepts in small animal science. Topics to be covered include animal classification, animal behavior, consumer concerns, animal welfare, growth and development, nutrition, parasites and disease. Students will also explore careers in small animal science, including but not limited to veterinary science, animal breeding, and companion animal retail. Learning will be carried out through classroom instruction, lab activities, a field trip, guest speakers, and hands-on projects.

THE SCIENCE OF HOW THINGS WORK (#03204)

.5 Credit

In this course students will seek to understand the fundamental relationships between the structure, properties, processing and performance of materials and machines with the intent of learning how to fabricate new materials, develop improved processes or properties for fabricated materials, and improve properties, performance, or design of machines and structures. This Course is intended to introduce students to the science behind their everyday lives and in the workforce. This course will be an interdisciplinary science course that will incorporate physics, chemistry, biology and engineering presented in a format to aid students' understanding of the material world and prepare students for today's challenges.

VETERINARY SCIENCE (#18105)

.5 Credit (11th, 12th)

This course is for students interested in pursuing careers or advanced education in animal bioscience, veterinary technology, animal production, pharmaceuticals, physiology, and nutrition. Topics include animal welfare, animal behavior, genetics, reproductive growth and development, animal nutrition, and animal diseases and parasites. Laboratory experiences include animal systems and current topics in animal technology.

WILDLIFE MANAGEMENT (#18501)

.5 Credit (S2,9th-12th)

This course is designed to make students more aware of the latest concepts in fish and wildlife management. Topics to be covered include zoology, ecology, mammals, birds, fish, conservation, and management of sustainable wildlife populations and habitats.

ZOOLOGY (#03061)

1 Credit (11th, 12th)

This course is designed to make students more aware of the latest concepts in fish and wildlife management. Topics to be covered include zoology, ecology, mammals, birds, fish, conservation, and management.

SOCIAL STUDIES

AMERICAN HISTORY 9 (CP-04103, PS-04149)

1 Credit

This course reviews the events that affected the United States from industrialization in late 1800s through events of the 21st century. Major topics include America during 1870s and industrialization; immigration and cultural changes; Progressive reforms; World War I; the 1920s; the Great Depression and the New Deal; World War II; the Cold War; social and civil rights reforms; the Vietnam War; Watergate years; Reaganomics; end of Cold War; Bush, Clinton years; war on terrorism in 21st century; and the Obama administration. Students will reinforce map skills, interpret primary documents, and strengthen written and verbal communication of historical information.

AMERICAN HISTORY 9 HONORS (#04109)

1 Credit

The Honors course is an advanced examination of the events that affected the United States from industrialization in late 1800s through events of the 21st century. There will be an emphasis on analytical and critical thinking skills as well as interpreting primary documents. Major topics include America during 1870s and industrialization; immigration and cultural changes; Progressive reforms; World War I; the 1920s; the Great Depression and the New Deal; World War II; the Cold War; social and civil rights reforms; the Vietnam War Watergate years; Reaganomics; end of Cold War; Bush, Clinton years; war on terrorism in 21st century; and the Obama administration.

Prerequisite: 80% or higher in all previous English and Social Studies

ANCIENT WORLD HISTORY (#04060)

.5 Credit

This course will cover the history and cultures of the ancient world. The primary focus will be on Mesopotamia, Egypt, the Greek civilizations and the rise and fall of the Roman Empire. The history, geography, cultural identity and impact on the modern world will be studied in-depth. Students will reinforce map skills, interpret mythology, and strengthen written and verbal communication of historical information.

ADVANCED PLACEMENT EUROPEAN HISTORY (#04056)

1 Credit (10th – 12th)

This course is designed for those students who want to prepare for advanced college courses. There will be an emphasis on analytical and critical thinking skills. Students will be expected to read, interpret, and analyze historical documents. Then students will use these materials to come to a conclusion and provide reasons for those conclusions in clear persuasive essays. The focus of the course will be on the development of Europe from 1300 to the present.

Prerequisite: 90% or higher in all previous English and Social Studies courses or Administration approval

ADVANCED PLACEMENT HUMAN GEOGRAPHY (#04004)

1 Credit (10th – 12th)

This course is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

Prerequisite: 90% or higher in all previous English and Social Studies courses or Administration approval

ADVANCED PLACEMENT UNITED STATES GOVERNMENT (#04157)

1 Credit (10th – 12th)

This course is designed for those students who want to prepare for college courses. There will be an emphasis on analytical and critical thinking skills. Students will be expected to read, interpret, and analyze historical and contemporary documents. Then students will use these materials to come to a conclusion and provide reasons for those conclusions in clear persuasive essays. The course will cover general and specific concepts used to interpret United States government and politics. The course will require familiarity with various institutions, groups, beliefs, and ideas that constitute United States government and politics.

Prerequisite: 90% or higher in all previous English and Social Studies courses or Administration approval

ADVANCED PLACEMENT UNITED STATES HISTORY (#04104)

1 Credit (10th – 12th)

This course is designed for those students who want to prepare for college courses. There will be an emphasis on analytical and critical thinking skills. Students will be expected to read, interpret, and analyze historical documents. Then students will use these materials to come to a conclusion and provide reasons for those conclusions in clear persuasive essays. The course will cover American history from the first colonists to the present.

Prerequisite: 90% or higher in all previous English and Social Studies courses or Administration approval

BUSINESS AND PERSONAL ECONOMICS (#04207)

.5 Credit

Students will study corporate business structure, leadership, operations, marketing, human resources, sales and finance. Students will also study the same aspects for a small business enterprise. Small business development will be studied, and students will propose and develop a small business plan. Personal economics will be explored in the areas of savings, earnings, investments, money management, insurances, and credit.

CONFLICT AND VIOLENCE IN AMERICA (#04299)

.5 Credit

This course will explore diverse topics, patterns, and explanations of conflict and violence in America past and present using primary and secondary resources. Students will analyze excerpts from a wide range of sources about incidents of conflict and violence in the United States (from controversies in British colonial rule to present-day debates over the death penalty). Students will be engaged in small group discussion, view documentary films, and read assigned readings to help classroom discussion and lecture.

ECONOMICS (#04201-ECON)

.5 Credit

Economics introduces the student to the disciplines of economics. Topics in economics include supply and demand, business and labor organization, and international trade. Banking, insurance, personal finance and the government's role in the economy will be covered. In addition, students will develop a small business model and research a publicly traded corporation. Current events related to the discipline will be incorporated into lessons. Guest speakers will support various concepts.

EXPLORATION OF THE EASTERN WORLD GEOGRAPHY (#04050)

.5 Credit

The course will concentrate on the world in spatial terms, physical systems, and the effects of Earth's physical features and processes on the environment. This course can include both physical and human geography. Students will learn to read and compare different types of maps and map projections. In addition, students will study the physical processes that help to shape the earth's surface. Also included will be the study of various ecosystems and how they are affected by Earth's physical processes. This course will look at Eastern regions, such as: East Asia, Middle East, Russia, Africa, and the Pacific. It will consist of current events, modern history, regional culture, and geography.

EXPLORATION OF THE WESTERN WORLD GEOGRAPHY (#04051)

.5 Credit

The course will concentrate on the world in spatial terms, physical systems, and the effects of Earth's physical features and processes on the environment. This course can include both physical and human geography. Students will learn to read and compare different types of maps and map projections. In addition, students will study the physical processes that help to shape the earth's surface. Also included will be the study of various ecosystems and how they are affected by Earth's physical processes. This course will look at Western regions, such as: The United States, Canada, Central America, South America, Caribbean, and Europe. It will consist of current events, modern history, regional culture, and geography.

GEOGRAPHY (#04001)

.5 Credit

The course will concentrate on the world in spatial terms, physical systems, and the effects of Earth's physical features and processes on the environment. This course can include both physical and human geography. Students will learn to read and compare different types of maps and map projections. In addition, students will study the physical processes that help to shape the earth's surface. Also included will be the study of various ecosystems and how they are affected by Earth's physical processes.

HISTORY OF PENNSYLVANIA (#04105)

.5 Credit

This course is an introduction to the history of Pennsylvania. Students will use resources to discover the physical, cultural, economic, and regional history of Pennsylvania. Students will be engaged in small group discussion, explore history using technological resources, and assigned readings to help classroom discussion and lecture.

HISTORY OF SPORTS AND SPORTS PODCASTING (#04066)

1 Credit

This course is for students who have a great interest in sports. In this class we will examine the history of sports from the origins to current day. We will analyze the history, trends, and cultures of the following sports: baseball, basketball, boxing, football, hockey, Olympic events (track and field), softball, soccer, volleyball and new sports. We will discuss the origins and general background of each sport along with specific individuals involved, such as the athletes, coaches, referees, and fans. We will examine professional, amateur, and college athletics. We will examine current events of sports locally, in the US, and globally. The class will also examine cultural phenomenon in sports such as the Olympic Games, the World Cup, the Super Bowl, the World Series, March Madness, fantasy football, city selections for franchises and others. To demonstrate knowledge, students will be responsible for creating their own group podcast.

HOLOCAUST AND GENOCIDE (#043021)

.5 Credit (10th – 12th)

This course will provide students with a greater understanding of the psychological, sociological, cultural, and political roots of Genocide, human cruelty, and mass violence. This half year course begins with an in depth analysis of the Holocaust, first looking at the term "Genocide" and then looking at the major flash points of this conflict, including a history of anti-Semitism, Jewish life before the Holocaust, Hitler's rise to power, Jews in Germany and Europe, World War II, Poland and the death camps, the Final Solution, resistance and rescue, the U.S.' response, liberation, and the Nuremberg Trials. The course will then transition in applying the concepts and factors that make the environment ripe for a Genocide and apply them to case studies of Genocide globally. Students will discuss other global genocides such as Armenia and Rwanda. Ultimately, this course seeks to uncover the various themes and patterns of Genocides, honor those who have been lost in ethnic conflict, and remember their history and legacy in order to prevent this pattern from occurring again.

HONORS ECONOMICS (#042490-ECON)

.5 Credit

The Honors course is an advanced examination of topics in Economics. There will be an emphasis on analytical and critical thinking skills. Selected topics in Economics will include an introduction to concepts in macroeconomics and microeconomics. This will include supply and demand, business and labor organization, international trade, product markets, banking, the business cycle, and the government's role in the economy.

Prerequisite: 80% or higher in all previous English and Social Studies

HONORS PSYCHOLOGY (# 04255)

.5 Credit

The Honors course is an advanced examination of topics in Psychology. There will be an emphasis on analytical and critical thinking skills. Selected topics in Honors Psychology will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Prerequisite: 80% or higher in all previous English and Social Studies courses

INTRODUCTION TO LAW (#04162)

.5 Credit

This course is an introduction to law and the legal system. Students will learn the aspects and functions of our legal system. Selected topics will include: crime, criminal law and juvenile justice, the trial process, torts, consumer and housing law, and individual rights and liberties. The course will examine legal issues and go through a mock trial simulation.

MODERN UNITED STATES HISTORY/CURRENT ISSUES (#04002)

.5 Credit

This course will explore the recent history of the United States from the 1990s to the present and will focus on domestic and foreign policy and how America interacts with the world community. This course will also explore changing social and cultural issues in the United States as well as developments in the state of Pennsylvania.

PSYCHOLOGY (#04254)

.5 Credit

Psychology introduces the student to the disciplines of psychology. Selected topics in psychology include learning and memory, perception, altered states of consciousness, and mental disorders. Current events related to the discipline will be incorporated into lessons. Guest speakers will support various concepts.

REGIONAL STUDIES: EARLY ISLAMIC AND MIDDLE EASTERN HISTORY (#049995)

.5 Credit

This course will cover the history of Islam during the classical period to the emergence of the Ottomans, who came to lead the Muslim world in the 14th century. Students will examine the cultural changes and historical regional conflicts. Students will examine document sources, reinforce map skills, and develop an emphasis on analytical and critical thinking skills.

REGIONAL STUDIES: EAST ASIA (#049994)

.5 Credit

This course will examine the history and cultures of East Asia through a study of interactions among China, Japan, Korea, and the West. Students will focus on how their countries have developed their cultural complexities, and geography. Students will interpret primary documents, reinforce map skills, and develop an emphasis on analytical and critical thinking skills.

REGIONAL STUDIES: HISTORY OF AFRICA (#049992)

.5 Credit

This course will introduce students to the history of Africa. Students will analyze excerpts from a wide range of sources about topics in African History with themes such as African slave trading, European imperialism, and modern Africa. Students will explore diverse topics, patterns, and explanations of African History using primary and secondary sources. Students will engage in small group discussion, view documentary films, and be assigned readings to help classroom discussion and lecture.

REGIONAL STUDIES: HISTORY OF RUSSIA (#04063)

.5 Credit

This course is an introduction to the history of Russia. Students will analyze a wide range of sources throughout the periods to learn about the physical, cultural and economic development of Russia. The major time periods will include Kiev, Imperial Russia, Soviet, and the Post-Soviet period. Students will be engaged in small group discussion, explore history through primary sources, and strengthen written and verbal communication skills using historical information.

REGIONAL STUDIES: LATIN AMERICA (#049996)

.5 Credit

This course will examine the history and cultures of Latin America through a study of interactions among Central America, Caribbean, and South American countries and the United States and European powers. Students will focus on how these countries have developed their culture, economy, political systems, and geography. Students will study and analyze the modern history of these countries and impacts that the United States and European countries had on the region. Students will interpret primary documents and articles, reinforce map skills, and develop an emphasis on analytical and critical thinking skills.

THE COLD WAR (#04106)

.5 Credit

In this course, students will learn how to critically examine the conflicts known as the Cold War between the United States and the Soviet Union, and the 'New Cold War' between the United States and China. The following topics will be analyzed in this course: dropping of the atomic bombs, the Red Scare, Containment, the Korean War, the Vietnam War, Taiwan and Hong Kong independence, Tiananmen Square Massacre, and other current events. The course will examine economic and political tensions with China and Russia in the 21st century and analyze the role of the emerging superpowers of the 21st century. In this course, students planning on attending college will benefit from learning how to write a research paper.

THE ELECTION (#04153)

.5 credit

In this course, students will critically examine the current US Presidential election along with other federal, state, and local races. Students will examine the electoral process from the primaries all the way to election day in November. Students will review candidate platforms, analyze the primaries of all political parties, watch and analyze debates and speeches, and study current events and issues throughout the entire campaign. Students will analyze the role of social media and use of advertising. The class will analyze the importance of US governmental institutions such as the Presidency, Senate, House of Representatives, and Electoral College. Some current events which will be examined are mail-in ballots, redrawing of voter districts, voter restrictions, and voter ID laws.

UNDERSTANDING MASS ATROCITIES (#04154)

.5 credit

This course will explore the concept of mass atrocities, including genocide, crimes against humanity, and war crimes. Students will gain insight into the historical context and learn about significant events that have shaped our understanding of these issues. Learning objectives are to understand the key concepts related to mass atrocities, analyze historical examples critically, discuss the impact of political, social, and psychological factors on these events, and examine the role of international law in addressing mass atrocities. Key topics include:

Definition of Mass Atrocities: What constitutes a mass atrocity?

Historical Context: An overview of important historical events related to mass atrocities.

Case Studies: In-depth examinations of the following atrocities (but not limited to), the Rwandan genocide, the Cultural Revolution, the Srebrenica massacre and other atrocities by analyzing what happened and why.

US GOVERNMENT AND CIVICS 11 (Honors- 04152, CP- 04161, PS-04199)

1 Credit

This course deals with basic concepts in democracy and the American system of government. Students will study the growth of democracy, federalism, the separation of powers, the system of checks and balances, civil liberties and civil rights, constitutional interpretations, and political processes. Students will also spend time comparing the American system of government with those of other nations. There will be an emphasis on current events, especially as they relate to politics and the American government.

US ETHNIC STUDIES (#04107)

.5 credit

In this course, students will examine the history of the United States through the lens of race relations. The course will examine the political, social, and economic interactions between the government, politicians, and groups with African-Americans, Native Americans, Hispanic Americans, and Asian Americans. Students will examine materials from the Founding Fathers, the Civil War and Reconstruction, the turn of the 20th century and immigration, the Civil Rights movement, and current events. We will examine political leaders who fight for civil rights among these groups as well as the reactionary movements throughout US history.

Pre-requisite: 9th Grade American History

US HISTORY THROUGH FILM (1600s to 1950) (#049991)

.5 Credit

In this course students will view films or segments of films depicting United States History from colonial settlement to the cold war. Through discussions and written essays, students will compare and contrast information in the film about historical events and periods to that of more traditional sources such as articles, film reviews, and critical commentaries.

US HISTORY THROUGH FILM (1950s to present America) (#049991-2)

.5 Credit

In this course, students will view films or segments of films depicting United States History from the 1960s to present America. Through discussions and written essays, students will compare and contrast information in the films about historical events and periods to that of more traditional sources, such as articles, film reviews, and critical commentaries.

Prerequisite: Successful completion of American History

WORLD HISTORY 10 (Honors- 04065, CP- 04062, PS- 04099)

1 Credit

This course will cover the history and cultures, past and present, of non-western regions of our world. The main areas of focus will be Africa, the Middle East, Asia, and Europe. The history, geography, and cultural identity of each region will be studied in depth as well as the present culture of these regions and how they impact the world as we know it. Students will reinforce map skills, interpret primary documents, and strengthen written and verbal communication of historical information.

WWII HISTORY THROUGH FILM (#04110)

.5 Credit

In this course students will view films or segments of films depicting World War II. The movies shown will depict conditions of war, what happened historically, soldiers' day-to-day lives, and decisions of leaders. Content will include overall history of WWII, rise of fascism and pre-war events, the Holocaust, European theater battles/events, Pacific theater battles/events, the home front, and post-war events. Through discussions and written journals, students will compare and contrast information in the film about historical events to that of more traditional sources, such as articles. Students will be required to write a WWII research paper on the topic of their choice.

TECHNOLOGY EDUCATION

360° VIDEO AND VIRTUAL REALITY DESIGN (#11056)

.5 Credit

A semester program designed to teach students advanced digital media techniques. The class will be divided into specific responsibilities, which include; audio, camera operations, stitching, editing, special effects, planning/scripting, and user interface development and deployment. Each student will focus on a particular set of responsibilities. Students may be required to record content outside of school hours if necessary.

Prerequisites: Successful completion of Broadcast Technology, DIVE, Animation or Computer Programming

ADVANCED BROADCAST TECHNOLOGY I, II and III (#11105)

1 Credit (10th – 12th)

Students are given the opportunity to present the morning announcements and related information in a video format. Students will be involved in all aspects of the production of the daily announcements, sport reports, and weather, along with special features. Students will spend time in front of the camera as a news reader, as well as being part of the production crew. Students will be expected to participate in the morning broadcast, other media projects and should expect to be on camera with a speaking role.

Please note: After-school and weekend time is required for this course for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

Prerequisite: Successful completion of Intro to Digital Media and two credits of Broadcast Technology

ADVANCED CADD (#21107)

.5 Credit

This course allows students to create three-dimensional models mechanical systems, assemblies, working drawings, and finite analysis of mechanical parts and systems. Students must have a strong understanding of Solidworks or other 3D modeling software.

Prerequisite: Successful completion of Basic CADD

ADVANCED WOODSHOP (1st Yr #13054, 2nd Yr #13054-2-, 3rd Yr #17007)

This course involves medium sized projects such as blanket chests, coffee tables, end tables, and bookcases. The projects built in first year advanced wood are moderate in complexity and may have a limited amount of doors and drawers. All students in this course are required to finish their project and enter it into the Advanced Woodworking competition at the end of the school year.

2nd year- This course involves larger more complex projects than what the student built in 1st year advanced woodshop. Project examples include entertainment centers, display cabinets, small desks, dressers and corner cabinets. These projects often include more doors and drawers than 1st year projects. All students in this course are required to complete their project and enter it in the woodworking competition at the end of the school year.

Prerequisite: Successful completion of Advanced Woodshop 1

3rd year – The emphasis is on large furniture with more complex joinery. Examples include gun cabinets, roll-top desks, large dressers, hutches, and kitchen islands. All students in this course are required to complete the project and enter it in the woodworking competition at the end of the school year.

Prerequisite: Successful completion of Advanced Woodworking 2

ANIMATION I (#10202)

.5 Credit

This course is designed to give the students a basic foundation in 2-D and 3-D animation. Students will develop basic 2D animation skills working with clip art, geometric shapes, video and sound. Moving into 3D animation, students will use several software programs to create a variety of animated movies.

Prerequisite: Successful completion of Introduction to Digital Media

ANIMATION II (#10203)

.5 Credit

This course is designed to give students in-depth knowledge of computer animation. 2-D and 3-D animation will be explored using various computer programs to create composite animations. Students are expected to manage their time appropriately in order to complete the specified projects on time.

Prerequisite: Successful completion of Animation I

ANIMATION III/IV (#11155-ANIMATION III, #10204-ANIMATION IV)

.5 Credit

This course is designed to give students the opportunity to develop an individual advanced course of study in 2D and 3D animation. Students will work with the instructor to create an individual educational plan that will provide a challenge in each area of study. Students are expected to work independently and manage their time appropriately.

Prerequisite: Successful completion of Animation II

ARCHITECTURAL CADD (#21103)

.5 Credit

Students are given an opportunity to explore architectural drawing in this course. Students will be assigned a plot of land and asked to design a residential home. Drawings such as floor plans and elevations will be completed as part of the course requirements. Students will also create a digital 3-D model in order to create digital tours of their design.

Prerequisite: Successful completion of Basic CADD

BASIC COMPUTER AIDED DRAFTING and DESIGN (CADD) (#21102)

.5 Credit

This is a course designed to give students a basic foundation in Computer Aided Drafting and Design (CADD). Students will develop basic skills in geometric construction, multi-view drawings and 3-D drawing.

BASIC WOODSHOP (#13054)

1 Credit

This is an introductory course in woodworking. The course is designed to familiarize the students with machines and hand tools used for woodworking. Students are required to build a minimum of two projects throughout the year. The first project is due (completed) at the end of the second grading period, and the second project is due in mid-May. First year projects are usually small basic furniture pieces, and the main emphasis is on safety.

Prerequisite: Students must pass a safety test on shop equipment

BROADCAST I (#11149-1)

.5 Credit

Students are given the opportunity to present the morning announcements and related information in a video format. Students will be involved in all aspects of the production of the daily announcements, sport reports, and weather, along with special features. Students will spend time in front of the camera as an anchor, as well as being part of the production crew. Students will be expected to participate in the morning broadcast, in covering all major school activities and events, and should be expected to be on camera with a speaking role.

Please note: After-school and weekend time is required for this course for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

BROADCAST II, III, IV, V, VI, VII, VIII (#11149-2, 11149-3, 11149-4, 11149-5, 11149-6, 11149-7, 11149-8)

.5 Credit

Students are given the opportunity to present the morning announcements and related information in a video format. Students will be involved in all aspects of the production of the daily announcements, sport reports, and weather, along with special features. Students will spend time in front of the camera as an anchor, as well as being part of the production crew. Students will be expected to participate in the morning broadcast, in covering all major school activities and events, and should be expected to be on camera with a speaking role.

Please note: After-school and weekend time is required for this course for covering on-site assignments. The student could have the opportunity to compete in state and national competitions. If the student does place in the competition(s), he or she will be required to compete.

Prerequisite: Broadcast Technology I

DESKTOP PUBLISHING (#11152)

.5 Credit

This course has been developed to provide students with a variety of in-depth and real world experience in desktop publishing and graphic design. Students will learn about the Elements and Principles of Design, and how to utilize them to create successfully designed business documents, such as brochures, menus, advertisements, magazine covers and cd covers. Students will be introduced to the programs of Adobe Illustrator, Adobe Photoshop, and Adobe InDesign. Students will learn about the career paths associated with desktop publishing and graphic design. In addition to design work, students will participate in writing and sketchbook assignments.

Prerequisite: Successful completion of Intro to Digital Media

DIGITAL IMAGING/VIDEO EDITING I (#11102)

.5 Credit

Students take an in depth look at digital imaging and video editing within this course. Students will create and/or manipulate a variety of digital images. With video editing, students will be able to express themselves through sight and sound. Recording and editing video footage, as well as sound editing, will allow the student to create a variety of movies.

Prerequisite: Successful completion of Intro to Digital Media

DIVE II (#11103)

.5 Credit

Students will use their previous knowledge of digital imaging and video editing to solve complex problems. Students will need to be creative and create multi-step solutions to digital problems. Students will create and manipulate images and video using the resources available to them.

Prerequisite: Successful completion of DIVE I

DIVE III/IV (#11051-DIVE III, 11056-DIVE IV)

.5 Credit

Students are given the opportunity to develop an individual, advanced course of study in digital imaging and video editing in this course. Students will work with the instructor to create an individual educational plan that will provide a challenge in each area of study. Students are expected to work independently and manage their time appropriately.

Prerequisite: Successful completion of DIVE II

ELECTRONICS AND ROBOTICS (#21009)

.5 Credit (10th – 12th)

This semester long course teaches students about analog electronics, circuits and basic digital electronics. Students will use a variety of online tools to complete electronics experiments and design circuits.

Students will experiment with Arduino microcontrollers to build and program robots to complete specific tasks.

ENGINEERING DESIGN & TECHNOLOGY (#21006)

.5 Credit

This semester long course introduces students to the engineering design process and multiple engineering fields including: mechanical, civil, and chemical/materials testing. Students may be required to provide some basic materials for projects.

Prerequisite: Students will be required to pass a safety test in order to work in the materials lab.

ENGINEERING DESIGN & TECHNOLOGY II (#21003)

1 Credit (10th – 12th)

Engineering and Innovation II will provide students with a background in production invention and improvement, basic robotics, and advanced problem solving. Math and Physics will be applied in order to solve complex mechanical and electrical problems.

Prerequisite: Successful completion of Engineering Design & Technology

ENGINEERING DESIGN & TECHNOLOGY III (#21007)

1 Credit (10th – 12th)

In this semester long course students will design and build a human powered vehicle. Math and Physics will be applied in order to solve complex problems. It is recommended students have passed Intro to Physics or be enrolled in Physics when taking this course.

Prerequisite: Successful completion of Engineering Design & Technology II

HOME MAINTENANCE AND REPAIR (#13348)

.5 Credit

This semester long course introduces students to basic skills needed by a homeowner. Students will learn basic skills in plumbing, electrical, drywall repair and other skills used to maintain a home. Students will learn and practice real-world skills. Students will be required to pass a safety test.

INTRODUCTION TO DIGITAL MEDIA (#11151)

.5 Credit

This course gives students a brief overview of the various software programs available in the area of Digital Media. Students will explore digital photography, video editing, digital audio editing and 2-D animation.

MASS PRODUCTION AND AUTOMATION (#13058)

.5 Credit (10th – 12th)

This semester long course allows students to design a product with mass production in mind. Students will design a product, production workflow, automation and manage the production run of their product. Students will also explore the management of employees, write resumes and conduct mock interviews.

UAV AND FLIGHT PRINCIPLES (#20053)

.5 Credit

This course will teach students how to read topographical detailed aviation maps with an emphasis on the following: airspace classifications, flight restrictions affecting small unmanned aircraft operation and airport operations. Students will also learn applicable regulations relating to small unmanned aircraft systems, rating privileges, limitations, and flight operations. Emergency procedures and radio/telephone procedures for aircraft accidents and reports with timelines due to the Federal Aviation Administration (FAA). Students will learn aviation weather sources and effects of weather on small unmanned aircraft performance. Maintenance, preflight inspection, and mission planning procedures for unmanned aerial vehicles (UAVs/drones) will be taught, as well as basic weight and balance procedures for UAVs and how it affects flight characteristics. Students will explore programming for autonomous UAVs to complete specific missions. All lessons are designed to prepare students for the FAA 107 certification test while improving their problem solving and technological literacy skills.

WEBPAGE DESIGN (#10201)

.5 Credit (10th – 12th)

This course is designed to acquaint you with the basics of web page building and design. You will create and design a web site that incorporates good design, layout, and color principles that appeal to a target audience. Web pages will include graphics, links, sound, music, and motion. Exploration and evaluation of exemplary and poorly-designed sites is also a goal of this class. PHP and JavaScript programming will be explored during the creation of forms and search tools.

Prerequisite: Successful completion of Intro to Digital Media

WORLD LANGUAGES

FRENCH CULTURE II (#06128)

.5 Credit

This will be a continuation of the introductory French Culture course. There will be a continued focus on the French and Francophone society through current events, written materials, film and an expansion on basic French language vocabulary. Assessments will be based upon participation, current events assignments, class discussions, compositions, presentations and quizzes. This course is geared towards preparing students to begin studying French I or provide a supplement to what is being learned in the current French language course.

NOTE: This is not a language class and will not count for language course credit.

Prerequisite: Introduction to French Culture I

FRENCH I (#06121)

1 Credit

This is an introductory level course which focuses on building proficiency in communication. Students work on developing listening, speaking, reading and writing skills. Emphasis is on vocabulary development as well as on acquiring basic level of grammar and an understanding of the culture of France and other French-speaking countries.

FRENCH II (#06122)

1 Credit

This course is a continuation of the activities of French I. French II presents more complex structures of basic French and expands the cultural themes. By the time the students complete the second level, they will have acquired a command of the key vocabulary and structures necessary for personal communication, as well as an appreciation of the breadth and variety of the French-speaking world.

Prerequisite: 70% or higher in French I

FRENCH III (#06123)

1 Credit

This course emphasizes oral and written expression, with a continued review and study of grammar and vocabulary. The students read various genres of literature as well as non-literary prose. There are frequent compositions as well as French conversation.

Prerequisite: 70% or higher in French II

FRENCH IV (#06124)

1 Credit

This is a continuation of French III. Longer works of fiction and non-fiction are read; longer compositions are assigned. Library research and projects on topics such as art, history, geography, culture, music, and literature form an integral part of the course.

Prerequisite: 70% or higher in French III

HISPANIC CULTURE THROUGH FILM (#24061)

.5 Credit

This course teaches the customs and cultures of the 21 countries with Spanish as the official language. Other countries with strong ties to the Spanish language will also be explored. Students will watch videos and complete assignments that correspond to each video to ensure comprehension. Most videos are in English, but some may be in Spanish with English subtitles. Students will also learn geography and where these countries, and their capitals, are located in the world. A final project providing an in-depth look at one of the countries, chosen by the instructor, is required. This course is not meant for students enrolled in Spanish I, II, III, or IV.

INTRODUCTION TO FRENCH CULTURE I (#061211)

.5 Credit

This is an introductory course to the French and Francophone culture and language. There will be a focus on learning about French and Francophone society through history, politics, economy, geography, literature, art, music, theater, film, traditions, customs, current events, and an introduction to the French language. Assessments will be based upon participation, current events assignments, class discussions, compositions, presentations and quizzes. This course will provide a basic understanding of the French culture and help prepare students to begin studying the French language in French I or provide a supplement to what is being learned in the French language courses.

NOTE: This is not a language class and will not count for language course credit.

SPANISH I(#06101)

1 Credit

This is a beginning course designed to help each student attain an acceptable degree of proficiency in the four Spanish domains of listening, speaking, reading, and writing. Spanish is presented within the context of the contemporary Spanish speaking world and its culture. Emphasis is placed upon pronunciation, grammatical structure, culture, and communication.

SPANISH II (#06102)

1 Credit

This course is a continuation of the activities of Spanish I. It presents more complex structures of basic Spanish and expands the cultural themes. By the time the students complete the second level, they will have acquired a command of the key vocabulary and structures necessary for personal communication, as well as an appreciation of the breadth and variety of the Spanish-speaking world.

Prerequisite: 70% or higher in Spanish I

SPANISH III (#06103)

1 Credit

This course emphasizes oral expression, with a continued study of grammar, vocabulary, and idiomatic expressions. In addition, students are introduced to readings by various Latin American authors.

Prerequisite: 80% or higher in Spanish II

SPANISH IV (#06104)

1 Credit

This is a continuation of Spanish III. Oral presentations, reading comprehension and writing skills are emphasized as students continue to develop competence and fluency in Spanish as a foreign language.

Prerequisite: 80% or higher in Spanish III

CARDINAL VIRTUAL CAMPUS COURSES

CONSUMER MATHEMATICS

.5 Credit

This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

FINANCIAL MATHEMATICS A/B

1.0 Credit

Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

CONTEMPORARY WORLD A/B

1.0 Credit

The Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

U.S. GOVERNMENT

.5 Credit

The interactive, problem-centered, and inquiry-based units in this U.S. Government course emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

WORLD GEOGRAPHY A/B

1.0 Credit

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A begins with an overview of the physical world and the tools necessary to explore it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective

EARTH AND SPACE SCIENCE A/B

1.0 Credit

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities.

INTEGRATED PHYSICS & CHEMISTRY A/B

1.0 Credit

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

ASTRONOMY I

.5 Credit

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

ASTRONOMY II

.5 Credit

Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

BIOTECHNOLOGY I

.5 Credit

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

BIOTECHNOLOGY II

.5 Credit

Building on the prior prerequisite course, expand your knowledge in the field of biotechnology. Explore the discovery of antibiotics and the concerns of antibiotic resistance while also examining the agricultural, pharmaceutical, and genetic applications of biotechnology. Finally, learn about the future of biotechnology to understand the depth and breadth of this field.

CAREERS IN CRIMINAL JUSTICE I

.5 Credit

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

CAREERS IN CRIMINAL JUSTICE II

.5 Credit

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

3D MODELING I

.5 Credit

Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself!

3D MODELING II

.5 Credit

Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of the world around you.

ADVERTISING AND SALES PROMOTION

.5 Credit

What comes to mind when you think of 'marketing'? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There's no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately \$200 billion promoting their products and services—and that's just in the United States alone! You may be familiar with being on the receiving end marketing, but what's it like on the other side? In Advertising and Sales Promotions, you'll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You'll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

AGRISCIENCE I: INTRODUCTION

.5 Credit

The word “agriculture” often evokes images of farms, fields, and livestock, and while all of these representations are correct and essential, the field of Agriculture is so much more! In Agriscience I: Introduction, you’ll explore how agriscientists play key roles in improving agriculture, food production, and the conservation of natural resources along with the technologies used to keep the field thriving. Are you ready to explore the diverse careers in agriscience and how you can prepare to positively impact the planet? Let’s get growing!

AGRISCIENCE II: SUSTAINING HUMAN LIFE

.5 Credit

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why “broccolini” is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs!

CODING 1A: INTRODUCTION TO PROGRAMMING

.5 Credit

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.

CODING 1B: PROGRAMMING

.5 Credit

Cultivate your understanding of programming languages and expand on your knowledge of website development. Learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing

COMPUTING FOR COLLEGE AND CAREERS: INTRODUCTION

.5 Credit

Technology has made an impact on nearly all facets of our lives, and it will continue to make an impact on yours as you make your way into college and career! In this course, you are going to pull back the veil on what goes into some of the technology we use every day. You will investigate computer hardware and software and learn what goes into building a computer while exploring programs and applications, you’ll study the history of the internet and how to use its capabilities even more effectively, and you’ll also dive deep into email and some of today’s most powerful processing tools. Get ready to really know the technology you have at your fingertips so you can continue to make it work for you!

CONCEPTS OF ENGINEERING AND TECHNOLOGY

.5 Credit

What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.

COSMETOLOGY I: CUTTING EDGE STYLES

.5 Credit

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting-Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

COSMETOLOGY II: THE BUSINESS OF SKIN AND NAIL CARE

.5 Credit

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nails, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

CRIMINOLOGY: INSIDE THE CRIMINAL MIND

.5 Credit

Understanding the criminal mind is not easy. Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. In Criminology: Inside the Criminal Mind, you will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life-psychological, biological, sociological-all of which have differing perspectives and influences. You will investigate not only how these variables affect the criminal mind but also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

DIGITAL PHOTOGRAPHY 1A: INTRODUCTION

.5 Credit

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

DIGITAL PHOTOGRAPHY 1B: CREATING IMAGES WITH IMPACT

.5 Credit

Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!

DIGITAL PHOTOGRAPHY 2: DISCOVERING YOUR CREATIVE POTENTIAL

.5 Credit

In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own.

EARLY CHILDHOOD EDUCATION I: INTRODUCTION

.5 Credit

Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider

EARLY CHILDHOOD EDUCATION II: DEVELOPING EARLY LEARNERS

.5 Credit

Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special needs. Use this knowledge to develop your professional skills well suited to a career in childcare.

ENTREPRENEURSHIP 1A: INTRODUCTION

.5 Credit

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

ENTREPRENEURSHIP 1B: MAKE YOUR IDEA A REALITY

.5 Credit

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

FASHION DESIGN

.5 Credit

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

FORENSIC SCIENCE I: SECRETS OF THE DEAD

.5 Credit

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science I: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as you follow the entire forensic process – from pursuing the evidence trail to taking the findings to trial. By careful examination of the crime scene elements, even the most heinous crimes can be solved.

FORENSIC SCIENCE II: MORE SECRETS OF THE DEAD

.5 Credit

Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science II: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology, and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. The best way to battle crime these days is not with a weapon, but with science.

FORENSICS: THE SCIENCE OF CRIME

.5 Credit

We watch with interest as crime scenes are dramatized on television and in film, and sit on the edge of our seat as various members of the justice system solve the most baffling cases. But what about the science behind the crime? Forensics: The Science of Crime explores the role science and technology plays in this fascinating and growing career. In this course, you'll learn the specialized skills and techniques used during a crime scene investigation and how evidence and data is expertly collected, preserved, and analyzed. With a strong focus on the innovative science used in the field as well as participation in interactive activities, you will follow the entire forensic process – from examining evidence to taking the findings to trial – and learn how the professionals are utilizing science to bring criminals to justice.

FORESTRY AND NATURAL RESOURCES

.5 Credit

Whether you are a tree hugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION

.5 Credit

Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow.

HEALTH SCIENCE I: NURSING

.5 Credit

The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

HEALTH SCIENCE II: PUBLIC HEALTH

.5 Credit

What is public health? Who decides which diseases get funding and which do not? What are the reasons for health inequality? Study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role of worldwide current and future technologies and the ethics and governance of health on a global scale, and discover unique career opportunities you can pursue to make a difference.

CAREER DISCOVERY

.5 Credit

Your future career is likely something you've dreamed about since you were a child. Now it's time to turn that dream into a reality! In this course, you will explore your own strengths, interests, and preferences and use that information to uncover the best career for you! You will explore 17 career clusters, learn about the skills needed to work in different industries, and choose a path to pursue. You'll build a plan to get you from high school to your first day on the job, and craft a strong portfolio to land your perfect job. You've dreamed about your future career. Now it's time to create a plan and turn that dream into a goal!

HOSPITALITY & TOURISM I: TRAVELING THE GLOBE

.5 Credit

Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. This course will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

HOSPITALITY AND TOURISM II: HOTEL AND RESTAURANT MANAGEMENT

.5 Credit

If you love working with people, a future in hospitality may be for you. You will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that make each industry exciting and innovative.

HUMAN AND SOCIAL SERVICES

.5 Credit

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human & Social Services, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

HUMAN GEOGRAPHY: OUR GLOBAL IDENTITY

.5 Credit

Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

INTERIOR DESIGN

.5 Credit

Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.

INTERNATIONAL BUSINESS: GLOBAL COMMERCE IN THE 21ST CENTURY

.5 Credit

Imagine meeting with suppliers at an office in Europe while calling your salesroom that's back in Asia. Imagine investing in foreign markets and visiting partners in exotic locales. With the evolution of current technology, our world is more connected than ever before, and the business community today is larger than ever. This course will demonstrate just how you can gain the knowledge, skills, and appreciation to live and work in the global marketplace. You will begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century.

FRENCH I A/B

1.0 Credit

In French 1A, they will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. Students will also learn about some regions of the French-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In French 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being, and travel and tourism. They will build on what they learned in the French 1A course and communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world that the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

FRENCH II A/B

1.0 Credit

In French 2A, students will be reintroduced to French in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing, and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. Students will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, they will discuss different types of cuisine, dining establishments, and dining etiquette. Students will build on what they learned in the French 1B course to communicate by listening, speaking, reading, and writing in French as they internalize new vocabulary and grammar. They will also learn about some regions of the French-speaking world where the central characters of each unit are visiting. Students will build on this semester's work as they advance in their French studies: everything that they learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In French 2B, students will be reintroduced to French in common situations, beginning with various professions and career plans for the future.

GERMAN I A/B

1.0 Credit

In German 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of their social life. They will start with basic sentence structures and grammatical tools, and they will communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world that the central characters of each unit are visiting. They will build on this semester's work as they advance in their German studies: everything that students learn about a language and the cultures in which it is spoken will serve as a foundation for further learning. In German 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. They will also describe various art forms, plays, concerts, and movies. Students will discuss health and well-being, and travel and tourism. They will build on what they have learned in the German 1A course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar.

GERMAN II A/B

1.0 Credit

Students will be reintroduced to German in common situations, beginning with describing classes, school friends, teachers, and school supplies. They will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. They will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, students will discuss different types of cuisine, dining establishments, and dining etiquette. They will build on what they learned in the German I course to communicate by listening, speaking, reading, and writing in German as they internalize new vocabulary and grammar. Students will also learn about some regions of the German-speaking world where the central characters of each unit are visiting.

REAL WORLD PARENTING

.5 Credit

Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching them confidence and accountability is not an easy feat. In Real-World Parenting, you'll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You'll learn how to be a positive force in the development of your future children as well as others around you.

SOCIAL MEDIA: OUR CONNECTED WORLD

.5 Credit

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

SOCIOLOGY I: THE STUDY OF HUMAN RELATIONSHIPS

.5 Credit

Human beings are complex creatures; however, when they interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Sometimes it can feel as if there are more questions than answers. In this course, you will seek answers to these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out!

SOCIOLOGY II: YOUR SOCIAL LIFE

.5 Credit

Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about groups fighting over different social issues. Sociology II: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

THEATER, CINEMA, AND FILM PRODUCTION I: INTRODUCTION

.5 Credit

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

THEATER, CINEMA, AND FILM PRODUCTION II: LIGHTS, CAMERA, ACTION!

.5 Credit

Lights, camera, action ... take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen.

VETERINARY SCIENCE: THE CARE OF ANIMALS

.5 Credit

Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!

FIRST AID & SAFETY

.5 Credit

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

FLEXIBILITY TRAINING

.5 Credit

This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training.

PERSONAL TRAINING CONCEPTS

.5 Credit

This course examines basic concepts in fitness that are important for personal fitness, as well as necessary foundational information for any health or exercise career field. Areas of study include musculoskeletal anatomy and physiology, terms of movement, basic biomechanics, health related components of fitness, FITT principles, functional fitness skills, safety and injury prevention, posture and technique, nutrition, and weight management.

SPORTS OFFICIATING

.5 Credit

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

PERSONAL FITNESS

.5 Credit

What does being fit really mean? Is it just based on physical appearance or is it something deeper? Though we strive to be healthy and make sensible choices, it's difficult to know how to achieve this. It's not only about losing weight or lifting a heavy barbell; in Personal Fitness you will learn about body functions, safety, diet, goals, and strategies for longevity. Human beings, in both body and mind, are complex and highly sensitive organisms that need the right attention to physically excel and feel great. Being fit is about living life to the fullest and making the most of what you have—yourself! Explore the world of healthy living and see how real fitness can be achieved through intention, effort, and just the right amount of knowledge.