

Program of Studies



2018-2019

A Message to Students

This Program of Studies Booklet has been prepared for your review of the courses that are offered to students in grades 9-12 at Bellwood-Antis High School. It is our hope that you and your parents will examine the contents of this booklet and evaluate the courses that will prepare you to pursue further education or to enter the world of work.

When making your selections for next school year, you and your parents should carefully evaluate your abilities, interests, aptitudes and educational requirements. When making your selections, please do not hesitate to ask your school counselor or teachers for advice. Our major goal is to help you in arriving at a wise decision with respect to your abilities and personal expectations.

Students should take the opportunity to enrich their school curriculum through the scheduling of elective classes. Every attempt will be made to schedule you into the classes of your choice. However, at times conflicts do arise. When such conflicts arise, you will be scheduled into another class. All students must schedule **at least 32 of 40** class periods.

Please be prompt in returning the course selection page to your school counselor. Failure to do so will hinder your scheduling for next year. The high school office staff will then prepare the student schedule. If you have any questions concerning the scheduling process or your schedule in particular, please make arrangements with your school counselor to discuss this matter.

Richard W. Schreier
High School Principal

Donald W. Wagner
Middle School Principal

Danielle Patton
High School Counselor

Kayla Miller
Middle School Counselor

Bellwood-Antis High School Curriculum Graduation Requirements (Grades 9-12)

Subject Area	Credits Required		
Social Studies	4	Including Civics, World Cultures, POD & American History	
Mathematics	4		
Science	3	Including Earth Science, Biology & 1 required Science Elective (Academic & Honors: 4 credits of higher-level science is recommended)	
English	4	Including English 9, English 10, English 11** & English 12* **Advanced Placement Literature & Composition may be substituted for English the year AP Lit. is taken *Graduation Project is Required	
Practical Art/Art	1	Intro to Home Economics, Industrial Arts I, Ag Mechanics I, Art Appreciation, or Music Theatre	
Health & Physical Education	1.5	Health I, Health II, Phys. Ed. 9, Phys. Ed. 10, Phys. Ed 11, and Phys. Ed. 12	
Driver Education	0.25	Required for 10 th grade students (CTC students take in 11 th)	
Computer Applications I	0.5	Required for all 9 th grade students***	***Students are required to take both Computer Applications I & II. They must pass one of these to fulfill graduation requirements.
Computer Applications II	0.5	Required for all 10 th grade students (excludes CTC students)***	
Electives	6.75		
Total credits required for Graduation	25	Note: Students may accumulate more than 25 credits yet not have enough required credits to graduate. Please check total number of credits in each required curriculum/subject area.	

To stay on pace to graduate on time, students must pass 6.25 credits each year.

Assessment Requirements

Each student is required to demonstrate the attainment of academic standards in reading, writing, and mathematics at the proficient level on State or local assessments aligned with the PA Core Standards. Currently, they must show proficiency on the Keystone Exams in Algebra I, Literature (10th grade), and Biology.

Four-Year Plan

Subject	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	English 9 (General, Academic, or Honors)	English 10* (General, Academic, or Honors)	English 11 (General, Academic, or Honors) or AP Lit & Comp	English 12 (General, Academic, or Honors), AP Lit & Comp, or CHS English 12
Social Studies	Civics 9 (General, Academic, or Honors)	World Cultures 10 (General, Academic, or Honors)	POD 11 (General, Academic, or Honors)	American History 12 (General or Academic) or CHS US History
Science	Earth & Space Science (General, Academic, or Honors)	Biology*(General, Academic, or Honors)	Chemistry & Lab (Academic or Honors)	4 th science not required but recommended: Physics & Lab, CHS Chemistry, CHS Physics & Lab, Microbiology, Energy & Environment, Applied Physics
Math	Common math sequences are listed below. See your math teacher for a scheduling recommendation.			
Computer Applications	Computer Applications I (Semester)	Computer Applications 2 (Semester)		
Phys. Ed, Driver Ed, & Health	Phys. Ed 9 & Health I (Semester)	Driver Education & Phys. Ed 10 (Semester)	Phys. Ed 11 & Health II (Semester)	Phys. Ed 12 (All Year, 2 days per week)
Practical Art	Practical Art includes Ag Mechanics, Industrial Arts, Home Economics, Art, or Music Theatre. Students must take at least one of these courses (recommended in 9 th grade).			
Electives	Students must earn 6.75 elective credits throughout high school. If a student earns more than the required credits in practical art and/or a core subject area, those extra credits can be used towards the elective requirement. Some other elective options include Spanish, French, CHS Psychology, CHS Sociology, Current Events, Ag Science, Chorus, and Band.			

- *Indicates that a course culminates in a Keystone Exam
- Many courses have prerequisites in order to enroll; check the course descriptions for details.

Common Math Sequences:

Algebra 1A → Algebra 1B* → GTA or Geometry → Consumer Math

Algebra 1* → Geometry → Algebra II → CHS Advanced Math or Integrated Math

Honors Geometry → Hon Algebra II → CHS Advanced Math Hon → CHS Calculus or CHS Prob & Stat

Four-Year Plan (CTC)

Subject	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	English 9 (General, Academic, or Honors)	English 10* (General, Academic, or Honors)	English 11 (General, Academic, or Honors) or AP Lit & Comp	English 12 (General, Academic, or Honors), AP Lit & Comp, or CHS English 12
Social Studies	Civics 9 (General, Academic, or Honors)	World Cultures 10 (General, Academic, or Honors)	POD 11 (General, Academic, or Honors)	American History 12 (General or Academic) or CHS US History
Science	Earth & Space Science (General, Academic, or Honors) AND Energy & Environment or Ag Science	Biology*(General, Academic, or Honors)		
Math	Common math sequences are listed below. See your math teacher for a scheduling recommendation.			
Computer Applications	Computer Applications I (Semester)			
Phys. Ed, Driver Ed, & Health	Phys. Ed 9 & Health I (Semester)		Phys. Ed 10/11, Health II, and Driver Ed.	Phys. Ed 12 (All Year, 2 days per week)
Practical Art	Practical Art (Ag Mechanics, Industrial Arts, Home Economics, Art, or Music Theatre)			
Electives		CTC (3 credits)	CTC (3 credits)	CTC (3 credits)

- *Indicates that a course culminates in a Keystone Exam
- Many courses have prerequisites in order to enroll; check the course descriptions for details.

Common Math Sequences:

Algebra 1A → Algebra 1B* → GTA or Geometry → Consumer Math

Algebra 1* → Geometry → Algebra II → CHS Advanced Math or Integrated Math

Honors Geometry → Hon Algebra II → CHS Advanced Math Hon → CHS Calculus or CHS Prob & Stat

Scheduling Changes

Bellwood-Antis Drop/Add Policy

1. All schedule change requests require written parental permission.
2. If you fail a required course for graduation or attend summer school, it is your responsibility to request a change in your schedule for next year. ***Schedule change requests will be taken over the summer months.***
3. Schedule change requests made so that a student can be with friends will not be considered.
4. Students wishing to drop an elective class after 4 weeks into the school year will be withdrawn, failing for the year. Written parental permission is required.
5. Students wishing to add a class after the first 3 weeks of school will be permitted at the discretion of the subject teacher and administration. All work must be completed to date.
6. All students must schedule at least 32 of 40 class periods. CTC counts as 15 class periods and is given 3 elective credits. Travel time to and from CTC is considered as 5 periods per week. Students not scheduling 32 of 40 class periods will be given additional classes as needed to fulfill this requirement.

Greater Altoona Career & Technology Center

Course Codes

Program Name	AM Course #	PM Course #	CIP Code
Administrative Office Specialist	7060	7070	52.0401
Automotive Technology	7620	7630	47.0604
Automotive/Diesel Technology	7041	7051	47.0613
Collision Repair & Refinishing Technology	7020	7030	47.0603
Cabinetmaking/Finished Carpentry	7120	7130	48.0703
Carpentry/Construction	7100	7110	46.0201
Computer Programming/Oracle Academy	7490	7500	11.0201
Computer Technology/Cisco Academy	7301	7311	11.0901
Cosmetology	7201	7211	12.0401
Cosmetology	7202	7212	12.0401
Culinary Arts	7321	7331	12.0508
Culinary Arts (AM and Middle)	7322	7340	12.0508
Dental Assistant	7220	7230	51.0601
Digital Printing Technologies	7470	7480	10.0399
Drafting / Design Technology	7261	7271	15.1301
Electrical Trades	7370	7380	46.0399
Electro Mechanical Engineering Technology	7280	7290	15.0303
Emergency Services	7640	7650	43.9999
Food Production	7323	7333	12.0508
Food Production (Middle)		734X	12.0508
Health Occupations	7351	7361	51.0899
Heating, Ventilation, Air Conditioning, & Plumbing	7140	7150	47.0201
Interior Decorating & Finishing	7391	7401	46.0408
Logistics & Materials Management	7570	7580	52.0203
Masonry	7430	7440	46.0101
Multimedia & Web Design	7552	7562	11.0801
Outdoor Power Equipment Technology	7530	7540	47.0699
Precision Machining	7410	7420	48.0501
Retail Marketing/Entrepreneurship	7240	7250	52.1801
Visual Arts Technologies	7160	7170	50.0402
Welding Technology	7590	7600	48.0508

CTC applications are only available to 9th grade students. They are distributed in Dec & Jan each year. Applying after Feb is still acceptable but due to programs filling up, some programs become closed for enrollment. If a 9th grade student wants to apply, please stop in the Guidance Office to speak to the school counselor.

BAHS Course Codes

	Course	Code		Course	Code		Course	Code
Mathematics	Algebra 1A	101	English	English 9A	401	Agricultural Ed.	Agriculture Science I	813
	Algebra 1B	102		English 9	402		Agriculture Science II	814
	Algebra I	103		English 10A	404		Agriculture Science III	815
	Algebra II	104		English 10	405		Agriculture Science IV	816
	Geometry	105		English 11A	407		Ag Mechanics I	823
	Consumer Math	106		English 11	408		Ag Mechanics II	834
	CHS Advanced Math	107		English 12A	410		Ag Mechanics III	835
	GTA (Geo/Trig/Alg)	112		English 12	411		Ag Mechanics IV	836
	Integrated Math 12	113		Journalism/BluePrint	413		Ag Project (Ind)	839
	Algebra II Honors	120		English 9 Honors	420	Art	Into to Home Ec	817
	Geometry Honors	121		English 10 Honors	421		Art Appreciation	901
	CHS Adv. Math Honors	122		English 11 Honors	422		Drawing & Sculpture	902
	CHS Calculus Honors	132		CHS English 12	432		Ceramics & Painting	903
	CHS Prob & Stats	150		AP Lit & Comp	433		Trad.Crafts&Gr.Design	904
Science	Earth & Space Sci (A)	201	Health/Phys.Ed/Driver Ed	English 12 Honors	435	Ind. Arts	Industrial Arts I	905
	Earth & Space Science	202		Health I (Male)	501		Industrial Arts II	906
	Energy & Environment	204		Health I (Female)	510		Industrial Arts III	907
	Biology (A)	205		Health II	502		Industrial Arts IV	908
	Biology	206		Phys. Ed 9 (Male)	503	Music	Music Theatre	912
	Chemistry & Lab	209		Phys. Ed 9 (Female)	530		Instrumental Music	913
	Applied Physics	211		Phys. Ed 10 (Male)	504		Chorus	914
	Physics & Lab	212		Phys. Ed 10 (Female)	540		Inst. Music (1/2 cr)	917
	Microbiology	213		Phys. Ed 11 (Male)	505		Chorus (1/2 cr)	918
	CHS Chemisty	214		Phys. Ed 11 (Female)	550		Senior Seminar	925
	Earth & Space Sci (Hon)	220		Phys. Ed 12 (Male)	506			
	Biology Honors	221		Phys. Ed 12 (Female)	560			
	Chemistry Honors & Lab	222		Driver Education	508			
	CHS Physics & Lab	233	Foreign Language	French I	601			
Social Studies	Civics (A)	301		French II	602			
	Civics	302		CHS French III	603			
	World Cultures (A)	304		French IV	604			
	World Cultures	305		Spanish I	605			
	POD (A)	307		Spanish II	606			
	POD	308		CHS Spanish III	607			
	American History (A)	310		Spanish IV	608			
	American History	311	Business/Comp/IT	Financial Literacy	801			
	Current Events	313		Yearbook (1 cr.)	812			
	CHS Psychology	318		Yearbook (1/2 cr.)	811			
	CHS Sociology	319		Computer App I	821			
	Civics Honors	320		Multimedia I	822			
	World Cultures Honors	321		Computer App II	831			
	POD Honors	322		SWAT Ind Study	827			
	CHS US History	334		Blueprint Ind Study	829			

Course Descriptions

MATHEMATICS DEPARTMENT

101 - ALGEBRA IA

This course is for students who are not yet proficient in all skills necessary to be successful in Algebra I. Topics covered include expressions, equations & functions, rational numbers, solving linear equations, using proportional reasoning, graphing relations and functions, analyzing linear equations, solving linear equations, systems of equations, and solving inequalities.

Note: Students who have passed Algebra IB, Algebra I, Algebra II, or Geometry may NOT take this course. This course is not available to Academic or Honors students.

Prerequisite: teacher recommendation

Grades: 9, 10, 11

Credit: 1

Wt.: 1.0

102 - ALGEBRA IB

This course is for students who have passed Algebra IA. Topics included are solving systems of linear equations and inequalities, exploring polynomials, using factoring, exploring quadratics, exploring rational expressions, and exploring radical expressions and equations. The required PA State Assessment Keystone Exam in Algebra I will be administered at the end of this course.

Note: Students who have passed Algebra II or Geometry may NOT register for this course. This course is not available to Honors students.

Prerequisite: Algebra IA or teacher recommendation

Grades: 10, 11, 12

Credit: 1

Wt.: 1.0

103 - ALGEBRA I

A full year course designed to strengthen the concepts developed in arithmetic and make the transition into formal algebra. Topics include equations, polynomials, factoring, fractions, inequalities, functions and relations, variables, systems of equations, graphing and verbal problems. The students electing this course should possess basic arithmetic skills. The required PA State Assessment Keystone Exam in Algebra I will be administered at the end of this course.

Prerequisite: 78% average in Pre-Algebra

Grades: 9,10,11,12

Credit: 1

Wt.: 1.04

104 - ALGEBRA II

A full year course designed to extend the principles and concepts studied in Algebra I. The course covers real numbers, solving equations and inequalities, solving word problems, solving systems of equations and inequalities, polynomials, factoring, graphing linear and quadratic relations, complex numbers, rational expressions, and radicals.

Prerequisite: 78% average or better in Algebra I and Geometry or GTA recommended

Grades: 10, 11, 12

Credit: 1

Wt.: 1.04

105 - GEOMETRY

A full year course designed to introduce students to geometrical concepts. Students will study points, lines, planes, angles, parallel and perpendicular lines, congruent and similar polygons, triangle inequalities, quadrilaterals, circles, three-dimensional figures, and right triangle trigonometry. Students will explore deductive and inductive reasoning, and two-column proofs. Incorporated throughout this course will be a variety of Algebra I topics.

Prerequisite: Algebra I, 9th graders taking this course must have passed the Keystone Exam

Grades: 9, 10, 11, 12 Credit: 1 Wt.: 1.04

106 - CONSUMER MATH

A full year course dealing with consumer topics to prepare students to function in society. A general knowledge of mathematics is essential. Topics included in the course are income, banking, and credit, buying and maintaining a car, buying a house and expenses for repairs, taxes, insurance and investments, and operating on a budget. Students taking this class will also be exposed to a review of basic algebra and geometry concepts.

Prerequisite: Teacher recommendation required.

Grade: 12 Credit: 1 Wt.: 1.0

107 - ADVANCED MATHEMATICS/CHS MATH 110 PRE-CALCULUS – St. Francis University (3 credits)

This is a dual enrollment full one-year course for students who have passed Algebra II. The course is a comprehensive study of trigonometry and other advanced math topics. Topics include: trigonometric functions, graphs of trigonometric functions, simplifying trigonometric expressions, proving triangle identities, solving trigonometric equations, solving triangles and triangles problems, relations and functions, polynomials, matrices, logarithms, complex numbers, and graphing techniques. Students also utilize graphing calculators throughout the course. As a dual enrollment course, the pace is accelerated and analysis and critical thinking are required.

Prerequisite: An 80% or above in Algebra II is recommended.

Grades: 11, 12 Credit: 1 Wt.: 1.10

112 - GEOMETRY, TRIGONOMETRY, AND ALGEBRA - GTA

This full year course is an integrated approach to covering the key elements of algebra, geometry, trigonometry, and data analysis. Topics include but are not limited to solving equations and inequalities, linear functions, systems of equations, polynomial functions, measurement of 2-D and 3-D figures, polygons, angle relationships and right triangle trigonometry.

Prerequisite: Algebra IA and Algebra IB; Math teacher recommendation is required.

Grade: 11 Credit: 1 Wt.: 1.0

113 - INTEGRATED MATH 12

Integrated Math 12 is designed as a fourth year math course for seniors. The course is appropriate for those students that have completed Algebra 2 and/or Advanced Math. The course covers a variety of topics including algebra, trigonometry, statistics, and personal finance. **This course is for students in the 12th grade only. A teacher recommendation is required to take this course.**

Prerequisite: Algebra II

Grade: 12

Credit: 1 **Wt.:** 1.0

120 - ALGEBRA II HONORS

This course is required of all 10th grade students who have been selected to participate in the Honors Program. This full year course is designed to extend the principles and concepts studied in Algebra I. The course covers real numbers, solving equations and inequalities, solving word problems, solving systems of equations and inequalities, polynomials, factoring, graphing linear, quadratic and other types of relations, radicals, rational expressions, logarithms, and probability. All honors level mathematics courses move at an accelerated rate and require analysis and critical thinking. Students will utilize graphing calculators throughout this course.

Prerequisite: 86% in Algebra I and Geometry Honors

Grade: 10H

Credit: 1 **Wt.:** 1.08

121 - GEOMETRY HONORS

This course is required for 9th grade students who have been selected to participate in the Honors program. The objective of this course is to introduce students to geometrical concepts. Students will study points, lines, planes, angles, parallel and perpendicular lines, congruent and similar polygons, triangle inequalities, quadrilaterals, circles, three-dimensional figures, and right triangle trigonometry. Students will strive to master deductive, inductive, and two-column proofs. Incorporated throughout this course will be a variety of Algebra I topics. All honors level mathematics courses move at an accelerated rate and require analysis and critical thinking.

Prerequisite: 86% in Algebra I and a Proficient or Advanced Score on the Algebra I Keystone Exam is required.

Grade: 9H

Credit: 1 **Wt.:** 1.08

122 - ADVANCED MATHEMATICS/MATH HONORS

100 PRE-CALCULUS – St. Francis University (3 credits)

This is a full one-year course for students who have passed Algebra II Honors. The course is a comprehensive study of trigonometry and other advanced math topics. Topics include: trigonometric functions, graphs of trigonometric functions, simplifying trigonometric expressions, proving triangle identities, solving trigonometric equations, solving triangles and triangles problems, relations and functions, polynomials, matrices, logarithms, complex numbers, and graphing techniques. All honors level mathematics courses move at an accelerated rate and require analysis and critical thinking.

Students will utilize graphing calculators throughout the course.

Prerequisite: 8th grade Algebra I, Geometry H, & Algebra II H; **Recommended** 86% average or better in Algebra II H

Grades: 11, 12

Credit: 1 **Wt.:** 1.10

132 - CALCULUS HONORS/CM 117 CALCULUS 1 – Mt. Aloysius College (4 credits)

A full one-year dual enrollment course for college-bound seniors intending to major in some field requiring a calculus foundation. Topics included are limits, derivatives, integration and applications of both. Students will learn to perform tasks numerically, analytically, and graphically. A strong algebra background is recommended. All honors level mathematics courses move at an accelerated rate and require analysis and critical thinking. Students will utilize graphing calculators throughout this course.

Prerequisite: Recommended 86% average or better in all prior math classes (Geometry, Algebra II, & Advanced Math)

Grade: 12

Credit: 1 Wt.: 1.10

150 - PROBABILITY & STATISTICS/CHS STATISTICS 101 – St. Francis University (3 credits)

Probability and Statistics is a dual enrollment course offered for a full year and acquaints the student with methods of gathering, organizing, and describing descriptive statistics, with the underlying principles of probability and their importance to the study of statistics and with the interpretation and analysis of statistical data. Students will be able to test a variety of hypotheses using the Normal Distribution. Students will study how statisticians use and experiment with statistics in the real world. This course will utilize a variety of technology including Microsoft Office, Google Apps, Minitab, and TI-graphing calculators. All honors level mathematics courses move at an accelerated rate and require analysis and critical thinking.

Prerequisite: Advanced Math or teacher recommendation

Grade: 12

Credit: 1 Wt.: 1.10

SCIENCE DEPARTMENT

201 - EARTH & SPACE SCIENCE – ACADEMIC

Earth and Space Science is the study of the physical Earth and its surroundings. Significant time is spent studying the nature of science, scientific method, and the experimental method. This course centers on using observation and collecting evidence to support what we know about the Earth. Earth and Space science covers the areas of astronomy, meteorology, geology and some oceanography. A hands-on approach in conjunction with inquiry learning is emphasized. The discovery process is encouraged. Vocational Earth and Space science is in line with PA Common Core State Standards and approved by the BASD board.

***Prerequisite:* none**

***Grade:* 9**

***Credit:* 1**

***Wt.:* 1.04**

202 - EARTH & SPACE SCIENCE

Earth and Space Science is the study of the physical Earth and its surroundings. Time is spent studying the nature of science, scientific method, and the experimental method. This course centers on using observation and collecting evidence to support what we know about the Earth. Techniques that can be applied to real-world work environment are included. Earth and Space science covers the areas of astronomy, meteorology, geology and some oceanography. A hands-on approach in conjunction with inquiry learning is emphasized. The discovery process is encouraged. Vocational Earth and Space science is in line with PA Common Core State Standards and approved by the BASD board.

***Prerequisite:* none**

***Grade:* 9**

***Credit:* 1**

***Wt.:* 1.0**

204 - ENERGY AND ENVIRONMENT

This hands-on course explores society's need for energy and growth along with the accompanying environmental concerns. Topics include global warming, mining, population growth, agricultural practices, nuclear power and basic ecology.

***Prerequisite:* none**

***Grades:* 9-12**

***Credit:* 1**

***Wt.:* 1.0**

205 - BIOLOGY - ACADEMIC

This Biology Academic level course is a college preparatory course designed to maximize the student's higher level thinking skills. The students will study life and the impact that non-living things have on the living as well as the impact that lifeforms have on non-living things. The goal is to help academic students gain a better appreciation for life and the world that surrounds life. Attention will be drawn to application of skills in this course. The Academic Biology 205 course will be a more vocabulary and detail-rich version of the content from the 206 Biology course and will include the topics outlined in the Pennsylvania State Standards. Students will be responsible for content area vocabulary and a higher degree of detail for each topic presented in class. The required PA State Assessment, Keystone Exam in Biology, will be administered at the end of this course. To be successful academically, students must convey their knowledge for the two-part Keystone Exam. Module 1 requires specific knowledge of Basic Biological Principles, Chemical Basis for Life, Bioenergetics, Homeostasis and Transport. Module 2 consists of Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology.

***Prerequisite:* none**

***Grade:* 10**

***Credit:* 1**

***Wt.:* 1.04**

206 - BIOLOGY

This Biology course involves the study of all aspects of living things, including those addressed in the Pennsylvania State Standards: cells and their processes and the continuity and unity of life. Therefore, focus will be given to what it means to be alive and how to continue to survive. Learning topics include cell and organism growth and reproduction, inheritance, anatomy, as well as various life functions. Not only will students focus on the living aspects of biology (including how organisms interrelate with other organisms) but also how organisms impact the world around them. The required PA State Assessment Keystone Exam in Biology will be administered at the end of this course. Module 1 requires specific knowledge of Basic Biological Principles, Chemical Basis for Life, Bioenergetics, Homeostasis and Transport. Module 2 consists of Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology.

Prerequisite: none

Grade: 10

Credit: 1

Wt.: 1.0

209 – CHEMISTRY AND CHEMISTRY LAB

This is a full year course, covering basic processes and mechanics of chemistry. This course meets standard college entrance requirement for students pursuing non-scientific careers. Students plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, engage in argumentation from evidence, construct explanations and design solutions, and develop and use scientific models. Principles of chemistry addressed include safety, types of matter, error and measurement, atomic structure, electron configurations and periodicity, chemical nomenclature, ionic and covalent bonding, molecular geometry, chemical reactions, stoichiometry, states of matter, representative gases and gas laws, solutions, and acid-base theory.

Prerequisite: Algebra

Grade: 11

Credit: 1

Wt.: 1.04

211 - APPLIED PHYSICS

This is a full year, activity based course and is structured around the applications of basic physics. The topics covered include motion, energy, light and sound and nuclear. This hands on course uses laboratory activities almost daily and incorporates several engineering and computer programming projects. Simple math concepts are used to analyze results. This course cannot be substituted for Honors or Academic Physics.

Prerequisite: successful completion of Consumer Math or Algebra

Grades: 11 or 12 Credit: 1

Wt.: 1.0

212 - ACADEMIC PHYSICS & PHYSICS LAB

This is a full year laboratory class meeting 7 periods per week. The topics covered include motion, energy, waves, electricity & magnetism and nuclear physics. Emphasis is placed on laboratory activities and analytical thinking using basic Algebra I skills. This hands-on course is highly recommended not only for students planning careers in the sciences, engineering or medicine but also for anyone planning in attending college or with an interest in physical science. Students registering for calculus should enroll in CHS Physics.

Prerequisite: successful completion of Algebra & Geometry

Grade: 12

Credit: 1.25

Wt.: 1.04

213 - MICROBIOLOGY

This Microbiology course offers an in-depth study into various aspects of microscopic life, including a strong emphasis on bacteria and information about agents like viruses. This elective course is a college preparatory course so major topics from biology will be reviewed and enhanced to increase rigor for students continuing academically beyond high school. As required by PA State Standards, students will learn about cells and their functions and cell processes as well as the continuity and unity of life. These Standards will be major focus points incorporated with the use of numerous laboratory tools to acquire new skills and practice procedures and techniques necessary to examine the life too small to be seen by the unaided eye. More specific content material in microbiology includes studying disease-causing organisms, culturing of bacteria, and studying the various applications of microbiology benefitting the world today such as industry, food production, and genetics. Extensive laboratory sessions will involve preparation of culture media, growth of specimens, and staining techniques. The laboratory techniques and procedures used in this college preparatory course are especially applicable to future careers in STEM fields such as biology, life sciences, and medical professions.

Prerequisite: High School Chemistry (currently enrolled or successfully completed the course); 93% or higher in Academic Biology; 86% or higher in Honors Biology

Grades: 11, 12 Credit: 1 Wt. 1.08

214 - CHS CHEMISTRY – CHEM 103 – St. Francis University (3 credits)

College in High School Chemistry is equivalent to the first semester of general college chemistry. It is designed for science-based majors including biology, chemistry, computer science, engineering, and pre-professional (pre-med, pre-vet, etc.). This course explores both information introduced in academic/honors Chemistry and new subjects not seen before. Topics include atomic theory, electronic structure and the periodic table, bonding, nomenclature, molecular structure, stoichiometry, chemical equilibria, thermodynamics, acid-base theories, redox reactions, kinetic theory, gas laws, solution chemistry, and organic nomenclature. If students choose to register for this course for college credit, they may be eligible to earn 3 credits for Chemistry 113 (Human Chemistry I) through St. Francis University.

Prerequisite: 90% or higher in Honors Chemistry or a 93% or higher in Academic Chemistry, and an 80% or higher in Advanced Math. Students who do not meet these criteria may be considered for enrollment with special teacher recommendation.

Grade: 12 Credit: 1 Wt.: 1.10

220 - EARTH & SPACE SCIENCE HONORS

Earth and Space Science is the study of the physical Earth and its surroundings. The areas of astronomy, meteorology, geology and some oceanography are covered in detail. Significant time is spent studying the nature of science, the scientific method, and the experimental method. This course focuses on the use of observation and collecting evidence to support what we know about the Earth. A hands-on approach in conjunction with inquiry learning is emphasized. The discovery process is encouraged. A six month honors project centered on using the experimental method is required with this course. Students have the option of presenting their project at a science competition called the Pennsylvania Junior Academy of Science sometime in early March. Honors Earth and Space science curriculum is in line with the PA Common Core State Standards and approved by the BASD board.

Grade: 9 Credit: 1 Wt.: 1.08

221- BIOLOGY HONORS

This Honors Biology course is required of all 10th grade students selected to participate in the Honors Program. Students in Honors Biology will experience an enhanced, accelerated version of the content outlined in the 205 Biology Academic course in order to utilize higher level thinking skills. Honors Biology is considered a college preparatory class where students will study life and the impact that non-living things have on the living in order to gain a better appreciation for life in general and for the world around them. Attention will be drawn to application of life skills in this course and will include those topics outlined by the Pennsylvania State Standards. Focus points for Honors Biology include: cells, cell growth, reproduction, inheritance, anatomy and other life functions. Students will be responsible for a wide range of content area vocabulary and a higher degree of detail for each topic which is presented in a more in-depth manner and often at a quicker pace than the other biology courses offered. The required PA State Assessment Keystone Exam in Biology will be administered at the end of this course. Module 1 requires specific knowledge of Basic Biological Principles, Chemical Basis for Life, Bioenergetics, Homeostasis and Transport. Module 2 consists of Cell Growth and Reproduction, Genetics, Theory of Evolution, and Ecology.

Prerequisite: 86% in Earth Science Honors or 93% in Earth Science Academic

Grade: 10

Credit: 1

Wt.: 1.08

222 - CHEMISTRY HONORS (LAB)

This course is required of all 11th grade students selected to participate in the Honors Program. This is a full year course, covering basic processes and mechanics of Chemistry. This course meets standard college entrance requirement for students pursuing non-scientific careers and meets for 7 periods during a typical 5-day academic week. Students plan and carry out investigations, analyze and interpret data, use mathematics and computational thinking, engage in argumentation from evidence, construct explanations and design solutions, and develop and use scientific models. Advanced laboratory skills, data interpretation, scientific argumentation, and evidenced based reasoning are used in order to explain the behavior of different types of matter as a function of structure and composition. Principles of chemistry addressed include safety, types of matter, error and measurement, atomic structure, electron configurations and periodicity, chemical nomenclature, ionic and covalent bonding, molecular geometry, chemical reactions, stoichiometry, states of matter, representative gases and gas laws, solutions, and acid-base theory.

Prerequisite: 86% in Biology Honors or 93% in Biology Academic

Grade: 11

Credit: 1

Wt.: 1.08

233 - CHS PHYSICS 0174 - UNIVERSITY OF PITTSBURGH (4 CREDITS)

This laboratory-based course meets 8 period/week and covers the same topics as the typical first physics course taken by college students studying science, medicine or engineering. Topics covered include Newton's Laws, kinematic equations of motion, energy, momentum and mechanical waves. The course is mathematically based and completion or concurrent registration in calculus is required unless a waiver is obtained from the teacher.

Prerequisite: successful completion of Advanced Math; Concurrent enrollment in Calculus

Grade: 12

Credit: 1.5

Wt.: 1.10

SOCIAL STUDIES DEPARTMENT

301 - CIVICS - ACADEMIC

Civics 301 is a college preparatory course designed to maximize the students' higher level thinking skills in the study of local, state, and national governments. Students examine the election process, major offices in our government, the Constitution, and the operation of the executive, legislative, and judicial branches. Approximately nine weeks will be devoted to the study of Pennsylvania's history and our state's cultural and economic development.

Prerequisite: none

Grade: 9

Credit: 1

Wt: 1.04

302 - CIVICS

Civics 302 is the study of local, state, and national governments. Students examine the election process, major offices in our government, the Constitution, and the operation of the executive, legislative, and judicial branches. Approximately nine weeks will be devoted to the study of Pennsylvania's history and our state's cultural and economic development.

Prerequisite: none

Grade: 9

Credit: 1

Wt: 1.0

304 - WORLD CULTURES - ACADEMIC

World Cultures 304 is a college preparatory course designed to maximize the students' higher level thinking skills in the study of the human experience from the Roman Republic to modern society. This course will explore the processes of movement, innovation, conflict and cooperation, revolution and reaction, in European, Asian, African, and pre-Columbian American societies. A specific emphasis will be placed on cultural diffusion, literature, religion, economic and governmental development of various cultures in world history.

Prerequisite: none

Grade: 10

Credit: 1

Wt: 1.04

305 - WORLD CULTURES

World Cultures 305 is the study of the human experience from the Roman Republic to modern society. This course will explore the processes of movement, innovation, conflict and cooperation, revolution and reaction, in European, Asian, African, and pre-Columbian American societies. A specific emphasis will be placed on cultural diffusion, literature, religion, economic and governmental development of various cultures in world history.

Prerequisite: none

Grade: 10

Credit: 1

Wt: 1.0

307 - PROBLEMS OF DEMOCRACY (POD) – ACADEMIC

POD Academic is a college preparatory course designed to maximize students' higher level thinking skills and analytical abilities through the study of democratic government and economics. Throughout the course, students will work with both primary and secondary resources to investigate and analyze issues revolving around the US Constitution and modern US government such as interest groups and social activism. The course will also stress the relationship between the US Government and the American economy, and will highlight critical economic concepts such as supply and demand.

Prerequisite: none

Grade: 11

Credit: 1

Wt: 1.04

308 - PROBLEMS OF DEMOCRACY (POD)

POD is the study of the US Government and its operation regarding topics such as interest groups, protests, executive powers, and the creation of laws. A focus will be placed on the US Constitution and the operation of the government related to the important document. The class will also focus on the government's connection to the US economy and will highlight a number of economic concepts such as supply and demand, taxes, and budgeting.

Prerequisite: none

Grade: 11

Credit: 1

Wt: 1.0

310 - AMERICAN HISTORY – ACADEMIC

American History 310 is a college preparatory course designed to maximize the students' higher level thinking skills in the study of US History since 1890. An emphasis will be placed on the economic, political, diplomatic, military, and social development of the United States since the late 19th century in an effort to provide context in understanding current and future issues confronting this nation.

Prerequisite: none

Grade: 12

Credit: 1

Wt: 1.04

311 - AMERICAN HISTORY

American History 311 is the study of US History since 1890. An emphasis will be placed on the economic, political, diplomatic, military, and social development of the United States since the late 19th century in an effort to provide context in understanding current and future issues confronting this nation.

Prerequisite: none

Grade: 12

Credit: 1

Wt: 1.0

313 - CURRENT EVENTS (Elective)

This class is a student-directed study of current events. This involves following local, state, national, and international events, discussing timely political questions, and watching developing social/cultural issues and geographic conflict. Internet news sources, podcasts, documentaries, newspapers, websites and other resources will be used by the class to investigate events as they shape the course of national and world affairs.

Prerequisite: none

Grade: 10,11,12

Credit: 1

Wt: 1.0

318 - CHS PSYCHOLOGY (Elective)

This College in High School course (CHS) is offered in conjunction with Penn Highlands Community College and is recommended for academic and honors students who wish to earn 3 college credits. (The cost of the credits will be available to students at time of scheduling.) Psychology explores the science of behavior and mental processes analyzing the relationship and interaction of internal and external forces on human behavior. Students will explore the foundations of psychology, and expand to study learning and thinking, motivation and emotion, and personality throughout the life cycle. A research paper in A.P.A. format is a requirement for completion of this course.

Prerequisite: none

Grade: 10,11,12

Credit: 1

Wt: 1.10

319 - CHS SOCIOLOGY (Elective) – SOC101 – St. Francis University (3 credits)

This College in High School course (CHS) is offered in conjunction with St. Francis University and is recommended for academic and honors students who wish to earn 3 college credits. (The cost of the credits will be available to students at time of scheduling.) This course deals with the scientific study of human social behavior using the sociological perspective to analyze culture and social structures, social inequalities, social institutions, and social change in the United States, as well as in other societies. An emphasis will be placed on socialization, deviance and social control and collective behavior

Prerequisite: none

Grade: 10, 11, 12 Credit: 1

Wt: 1.10

320 - CIVICS – HONORS

Civics 320 is a college preparatory course designed to maximize the students' higher level thinking skills in the study of local, state, and national governments. Students examine the election process, major offices in our governments, the Constitution, and the operation of the executive, legislative, and judicial branches. Approximately nine weeks will be devoted to the study of Pennsylvania's history and our state's cultural and economic development. Extra weight is placed on problem solving in relation to current events and real world scenarios. Students must be able to take stances concerning relevant topics through various creative means of self-expression. These include but are not limited to issue advertisements, newspaper editorials, debates and open forum discussions, as well as keeping discussion journals.

Prerequisite: Honors

Grade: 9

Credit: 1

Wt: 1.08

321 - WORLD CULTURES - HONORS

Students will undertake a study of World Cultures beginning with the Roman Republic and culminating to the modern era. Some of the topics to be covered are: Africa, India, China, Byzantines and Slavs, Islamic Empires, Medieval Europe, Renaissance, Reformation, Exploration, Asian Empires, Scientific Revolution, and the French Revolution. Attention will be given to the geographical, political, economic, and cultural differences among societies throughout history. Honors students are expected to focus on the details and application of materials and develop higher levels of thinking and skills in evaluation analysis. Students will be required to complete more homework and essays on tests than academic students.

Prerequisite: Honors

Grade: 10

Credit: 1

Wt: 1.08

322 - PROBLEMS OF DEMOCRACY (POD) - HONORS

POD Honors is a college preparatory course that revolves around the interconnectivity in the United States of government, economy, and world events (past and present). The course will begin with a study of the evolution of democratic government before narrowing its focus to issues and complexities within the US Constitution, the use of Executive power, the impact of interest groups, and the effect of social activism. The course will also focus on the American economic system on both a Micro and Macro scale to analyze how government policies impact both corporations and individual citizens.

Prerequisite: Honors

Grade: 11

Credit: 1

Wt: 1.08

333 - AP U.S. HISTORY

AP U.S. History is a college level course accredited by the College Board designed to prepare students to take the Advanced Placement exam. Students who do well on the exam may earn college credit through cooperating universities. All AP students who register for this course are expected to take the AP exam scheduled in the spring. Students will be informed mid-year regarding the cost of the AP exam and must pay the fee in the high school office at that time. The course is designed to develop analytical skills and promote knowledge of US History from the colonial period to the present day. Students will learn to assess historical materials, weigh evidence presented in historical scholarship and evaluate its relevance and importance to the development of our nation. Motivated, self-starting students are required. Students registering for this course are combined with 334 – CHS U.S. History I, II.

Prerequisite: Due to the faster pace and course rigor, it is recommended (but not required) an 86% average in prior academic social studies courses.

Grade: 12

Credit: 1

Wt: 1.10

334 - CHS U.S. History I, II – HIST103 and HIST104 – St. Francis University (3 credits each part)

This College in High School course (CHS) is offered in conjunction with Saint Francis University and is recommended for academic and honors students who wish to earn 6 college credits for two Saint Francis college classes in US History (History 103 & History 104). The cost of the credits will be made available to students at time of scheduling. The course is designed to develop analytical skills and promote knowledge of US History from the colonial period to the present day. Students will learn to assess historical materials, weigh evidence presented in historical scholarship and evaluate its relevance and importance to the development of our nation. Motivated, self-starting students are required. Students registering for this course are combined with 333 – Advanced Placement (AP) United States History.

Prerequisite: Due to the faster pace and course rigor, it is recommended (but not required) an 86% average in prior academic social studies courses.

Grade: 12

Credit: 1

Wt: 1.10

ENGLISH DEPARTMENT

401 - NINTH GRADE ACADEMIC ENGLISH

This course is offered to students enrolled in the Academic curriculum. The course promotes student reading, writing, and speaking proficiency across the curriculum through practical strategies and applications that help establish a literature-rich classroom. The students are taught active reading strategies that are integral to comprehension as well as fluency in reading. There will be a strong focus on PA Core Standards writing formats including: narrative essays, information essays, and persuasive essays. There are several short story units, with the key elements of fiction as the basis for discussion. There are also literary units focusing on, but not limited to, *The Miracle Worker*, *Romeo and Juliet*, *Holes*, *The Life and Times of Edgar Allan Poe*, and another novel of the student's choice. The students will also study the basics of effective public speaking and will make several presentations. As part of a career unit, the students will research "Cool Jobs" and will select one of the occupations and conduct research, write a newspaper article including the 5W's of Journalism, and develop Public Service Announcements dealing with the selected occupation. The students will also study poetry in conjunction with the English Department's celebration of National Poetry Month.

Prerequisite: Academic curriculum

Grade: 9

Credit: 1

Wt.: 1.04

402 - NINTH GRADE ENGLISH

This course promotes student reading, writing, and speaking proficiency across the curriculum through practical strategies and applications that help establish a literature-rich classroom. The students are taught active reading strategies that are integral to comprehension as well as fluency in reading. There will be a strong focus on PA Core Standards writing formats including: narrative essays, information essays, and persuasive essays. There are several short story units, with the key elements of fiction as the basis for discussion. There are also literary units focusing on, but not limited to, *The Miracle Worker*, *Romeo and Juliet*, *Holes*, *The Life and Times of Edgar Allan Poe*, and another novel of the student's choice. The students will also study the basics of effective public speaking and will make several presentations. As part of a career unit, the students will research "Cool Jobs" and will select one of the occupations and conduct research, write a newspaper article including the 5W's of Journalism, and develop Public Service Announcements dealing with the selected occupation. The students will also study poetry in conjunction with the English Department's celebration of National Poetry Month.

Prerequisite: 8th grade English

Grade: 9

Credit: 1

Wt.: 1.0

404 - TENTH GRADE ACADEMIC ENGLISH

This course interweaves literature, composition, public speaking, and usage and mechanics. Analysis of literature utilizes thematic units including memoir, poetry, short story, novels, and nonfiction. The students receive the opportunity for negotiated choice in readings, participating in literature circles as well as book group discussions. Some of the literary choices include, but are not limited to: *Of Mice and Men*, *Julius Caesar*, *Lord of the Flies*. The students will participate in the study and writing of poetry in conjunction with the English Department's celebration of National Poetry Month. There is a strong focus on narrative, descriptive, argument, and expository writing techniques. The students are responsible for quarterly, independent readings as well as discussions and various assessments on readings. The required PA State Assessment Keystone Exam in Literature will be administered at the end of this course.

Prerequisite: 9th Grade English

Grade: 10

Credit: 1

Wt.: 1.04

405 - TENTH GRADE ENGLISH

This course provides students with fundamental skills needed in English. Students will have the opportunity to read various types of literature, both fiction and nonfiction, including novels, short stories, poetry, memoirs and narrative essays. With the reading of literature, students will master using elements of fiction such as plot, characters, theme, tone, mood and figurative language. Students will participate in literary group discussion, based on their active reading of the following novels: *Of Mice and Men*, *Julius Caesar*, and *Lord of the Flies*. As an extension of their reading, students will take part in various aspects of writing such as argumentative and expository essays. Methods of writing will cover specific focus correction areas that encourage the students to actively focus on and develop writing skills. In addition to essay writing, students will participate in the study and writing of poetry as the English Department celebrates National Poetry Month in April. The required PA State Assessment Keystone Exam in Literature will be administered at the end of this course.

Prerequisite: 9th Grade English

Grade: 10

Credit: 1

Wt.: 1.0

407 - ELEVENTH GRADE ACADEMIC ENGLISH

This course includes the study of American literature from the 1700's through modern times. The students study essays, speeches, drama, and short stories, as well as the novels To Kill A Mockingbird and Fahrenheit 451. This course also requires several essays on literature, articles of the week, and/or other assigned topics. Each student is required to submit an essay on one career and two post-secondary schools. These essays are part of the career unit, which also covers mock job interviews in which the students write, prepare, and present responses to job interview questions. Students will learn to use and apply SAT Vocabulary in many aspects of their written assignments. Students are encouraged to take an active part in the learning process through the use of activities and learning strategies that require them to use active reading strategies, work with partners, and participate in group discussions. The students will also study and write poetry in conjunction with the English Department's celebration of National Poetry Month. All students will complete a career shadowing experience through Blair County Basics. Based on their career interests, students will be assigned to a day of on the job training.

Prerequisite: 10th grade English

Grade: 11

Credit: 1

Wt.: 1.04

408 - ELEVENTH GRADE ENGLISH

This course includes the study of American literature from the 1700's through modern times. The students study essays, speeches, drama, and short stories, as well as the novels For One More Day and Fahrenheit 451. Students will participate in literary group discussion, based on their active reading of the above literature. Each student is required to submit an essay on one career and two post-secondary schools. These essays are part of the career unit, which also covers mock job interviews in which the students write, prepare, and present responses to job interview questions. Students will learn to use and apply new vocabulary in many aspects of their written assignments. Students are encouraged to take an active part in the learning process through the use of activities and learning strategies that require them to use active reading strategies, work with partners, and participate in group discussions. The students will also study and write poetry in conjunction with the English Department's celebration of National Poetry Month. All students will complete a career shadowing experience through Blair County Basics. Based on their career interests, students will be assigned to a day of on the job training.

Prerequisite: 10th grade English

Grade: 11

Credit: 1

Wt.: 1.0

410 - TWELFTH GRADE ACADEMIC ENGLISH

This course is designed for students enrolled in the academic curriculum. The course focuses on college essay and creative writing, public speaking, novel units, as well as a survey of British literature including *Beowulf*, *Macbeth*, *Hamlet*, *Rime of the Ancient Mariner* as well as short story and poetry units. The students will study and write poetry in conjunction with the English Department's celebration of National Poetry Month. A brief review of punctuation and usage will be covered to enhance writing. Students will develop writing skills based on the use of Focus Correction Areas to pinpoint writing weaknesses. All seniors are introduced to career exploration and must select an occupation, research it, and then develop a magazine highlighting the facets of the selected occupation. The students are immersed in research strategies as well as the APA format for citing sources. Students complete the year by completing an authentic assessment project. The project is based on song and poetry analysis and requires the application of research skills, the fundamentals of poetry and poetry analysis, writing and presentation skills.

Prerequisite: 11th Grade English

Grade: 12

Credit: 1 **Wt.:** 1.04

411 - TWELFTH GRADE ENGLISH

This course focuses on essay and creative writing, public speaking, novel units, as well as a survey of British literature including *Beowulf*, *Macbeth*, *Hamlet*, *Rime of the ancient Mariner* as well as short story and poetry units. The students will study and write poetry in conjunction with the English Department's celebration of National poetry Month. A brief review of punctuation and usage will be covered to enhance writing. Students will develop writing skills on the use of Focus Correction Areas to pinpoint writing weaknesses. All seniors are introduced to career exploration and must select an occupation, research it, and then use an appropriate presentation app to highlight to classmates the facets of the selected occupation. The students develop research strategies as well as knowledge of the APA format for citing sources. Students complete the year by completing an authentic assessment project. The project is based on song and poetry analysis and requires the application of research skills, the fundamentals of poetry and poetry analysis, writing and presentation skills. A mini-unit on Letter writing is also included.

Prerequisite: 11th Grade English

Grade: 12

Credit: 1 **Wt.:** 1.0

413 – JOURNALISM/ BLUE PRINT (elective)

This course offers instruction and hands on experience to help the high school journalist prepare for school publications as well as providing a vocational background for these students interested in journalism. By providing instruction in news gathering, writing, editing, designing, producing, as well as in photography, law and other related subjects, the course provides an understanding of experience in most facets of journalism.

Most importantly, students in this class are entirely responsible for the official monthly school paper, The Blue Print. The student is constantly challenged to improve writing techniques and to write clearly and accurately. The student journalist, above all else, stresses good taste and responsibility in journalism.

Prerequisite: none

Grades: 10,11,12 **Credit:** 1 **Wt.:** 1.0

420 - NINTH GRADE HONORS ENGLISH

This course is offered to ninth grade students who are enrolled in the Honors curriculum. The course promotes student reading, writing, and speaking proficiency across the curriculum through practical strategies and applications that help establish a literature-rich classroom. The students are taught active reading strategies that are integral to comprehension as well as fluency in reading. There will be a strong focus on PA Core Standards writing formats including: narrative essays, information essays, and persuasive essays. There are several short story units, with the key elements of fiction as the basis for discussion. There are also literary units focusing on, but not limited to, *The Miracle Worker*, *Romeo and Juliet*, *Holes*, *The Life and Times of Edgar Allan Poe*, and another novel of the student's choice. The students will also study the basics of effective public speaking and will make several presentations. As part of a career unit, the students will research "Cool Jobs" and will select one of the occupations and conduct research, write a newspaper article including the 5W's of Journalism, and develop Public Service Announcements dealing with the selected occupation. The students will also study poetry in conjunction with the English Department's celebration of National Poetry Month. The honors curriculum is accelerated and allows for multiple assessment options for each unit being taught.

Prerequisite: *Honors curriculum*

Grade: 9 Credit: 1 Wt.: 1.08

421 - TENTH GRADE HONORS ENGLISH

This course interweaves literature, composition, public speaking, and usage and mechanics. Analysis of literature utilizes thematic units intended to teach the elements of fiction as well as voice and mood of various forms of writing including memoir, poetry, short story, novels, and nonfiction. The students receive the opportunity for negotiated choice in readings, participating in literature circles as well as book group discussions. Some of the literary choices include, but are not limited to: *Of Mice and Men*, *The Old Man and the Sea*, *Animal Farm*, *Julius Caesar*, *Lord of the Flies*, *Tuesdays with Morrie*, *A Separate Peace*, and *Night*. The students will participate in the study and writing of poetry in conjunction with the English Department's celebration of National Poetry Month. There is a strong focus on narrative, descriptive, and expository writing techniques and the development of the student's writing voice in both prose and poetry. The students are responsible for quarterly, independent readings as well as discussions and various assessments on readings. The required PA State Assessment Keystone Exam in Literature will be administered at the end of this course.

Prerequisite: *9th Grade Honors English*

Grade: 10 Credit: 1 Wt.: 1.08

422 - ELEVENTH GRADE HONORS ENGLISH

This course is similar to academic English, but the material is covered at a faster pace and additional lessons on literature and writing are added. Students are expected to cover the materials in more depth, with evidence of a deeper understanding than might be expected of an academic class. This course includes the study of American literature from the 1700's through modern times. Students study essays, speeches, pamphlets, drama, and short stories, as well as the novels *To Kill A Mockingbird*, *Fahrenheit 451*. The course also requires essays on literature, articles of the week, and/or other assigned topics. Each student is required to submit an essay on one career and another comparing two post-secondary schools. These essays are part of the career unit, which also covers mock job interviews in which the students write, prepare, and present responses to job interview questions. Students are encouraged to take an active part in the learning process through the use of activities and learning strategies that require students to use active reading strategies, question, work with partners, and participate

in group discussions. The students will also study and write poetry in conjunction with the English Department's celebration of National Poetry Month.

Prerequisite: 10th Grade Honors English **Grade:** 11 **Credit:** 1 **Wt:** 1.08

432 - CHS ENGLISH 12 - UNIVERSITY OF PITTSBURGH (3 CREDITS)/ENGLISH 12 HONORS

This first semester course will be taken in conjunction with the CHS English 12 class offered during the second semester. The primary focus of the course will be literature interpretation and various forms of essay and creative writing. Major literary works include but are not limited to: *Frankenstein*, *Macbeth*, *Hamlet*, *Beowulf*, *Rime of the Ancient Mariner*, as well as poetry and short story units. The students will study and write poetry in conjunction with the English Department's celebration of National Poetry Month. All seniors are introduced to career exploration and must select an occupation, research it, and then develop a multi-media presentation of the selected occupation and present it to their peers. The students are immersed in research strategies as well as the APA format for citing sources. Upon completion of the Honors English offered the first semester, the student will take College in High School English offered in conjunction with the University of Pittsburgh during the second semester. This course is designed to introduce students to the fundamentals of research and argument construction. Defense of an argument is presented both verbally and in writing. Topics in this course include an introduction to argument, types of argument, constructing an argument, research methods and evidence, cross-examination and evaluation of criticism of arguments. Students are evaluated on the basis of their participation in public forum debates, chain debates, spar debates, student congress, and persuasive speaking. Students will also write series of pro-con persuasive papers, applying argument analysis and rhetorical technique. Students complete the year by completing an authentic assessment project. The project is based on song and poetry analysis and requires the application of research skills, the fundamentals of poetry and poetry analysis, writing and presentation skills.

Prerequisite: 86% or higher in 11H English or AP Lit. recommended

Grade: 12 **Credit:** 1 **Wt.** 1.10

433 - ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

This course extensively studies the various genres of literature, including: novel, short story, poetry, and non-fictional works. The emphasis is on the reading and analysis of the critical elements of each form of literature. Some of the many works studied are: *To Kill a Mockingbird*, *Wuthering Heights*, *Crime and Punishment*, *The Scarlet Letter*, *Pride and Prejudice*, *Macbeth*, *The Glass Menagerie*, *The Merchant of Venice*, *The Great Gatsby*, etc. There is a strong emphasis on critical essay writing pertaining to the literature studied. The students will take the AP test that is administered in May. Summer reading is required.

1. **Prerequisite:** 93% average or above in English 10 or 11 is required.
2. **Recommendations from both 9th and 10th grade English teachers (we ask to use teacher recommendations because although students may be advanced in English, they may not consistently turn in assignments, participate in class, or work to their full potential).**

At the conclusion of the course, students take the AP exam provided by the College Entrance Examination Board to qualify for college credit. There is a cost for the exam.

Grades: 11, 12 **Credit:** 1 **Wt.:** 1.10

435 - TWELFTH GRADE HONORS ENGLISH

This course focuses on a survey of British literature including *Beowulf*, *The Canterbury Tales*, *Macbeth*, *Hamlet*, *Rime of the Ancient Mariner* as well as short story and poetry units. Students will explore literary forms and movements such as tragedy, satire, and romanticism, and participate in Lit Circle discussions of selected novels. In addition, they will study and write poetry in conjunction with the English Department's celebration of National Poetry Month. The course involves analytic and creative writing in response to the works of literature that are read. A brief review of punctuation and usage will be covered to enhance writing. Students will develop writing skills on the use of Focus Correction Areas to pinpoint writing weaknesses. All seniors are introduced to career exploration and must select an occupation, research it, and then use an appropriate presentation app to highlight to classmates the facets of the selected occupation. The students develop research strategies as well as knowledge of the MLA and APA formats for citing sources. The career project also includes a mini-unit on writing a resumé and cover-letter.

Prerequisite: 11th Grade Honors English or AP Lit **Grade:** 12 **Credit:** 1 **Wt.:** 1.08

HEALTH & PHYSICAL EDUCATION DEPARTMENT

501 - HEALTH I M (Male)

510 - HEALTH I F (Female)

Health 1 is a one semester class that all 9th graders take that meets three times a week. Health 1 is taught in gender segregated classrooms. Throughout the course the main focus is on having the students implement different health skills and how their behaviors affect their health physically, mentally, and socially. The main health skills that are stressed in each individual chapter are: interpersonal communication skills, responsible decision making, refusal skills, and conflict resolution. Other topics that are covered are: the dangers of using tobacco and alcohol, relationships with peers, and a human sexuality unit.

Prerequisite: none **Grade:** 9 **Credit:** .25 **Wt.:** 1.0

502 - HEALTH II

Health 2 is a one semester class that all 11th graders take that meets three times a week. Throughout the course students will be analyzing how their behaviors affect themselves and people around them. There will be a focus on learning skills that will help them as they move into the developmental stage of adulthood. The main topics that will be covered are: becoming an autonomous adult, skills that can lead to a more successful marriage and coming a responsible parent, healthy ways to deal with the effects of stress and anxiety, different types of mental disorders and how they need to be treated, how people respond to death, eating healthy and maintaining a healthy weight, and the effects that drugs have on a person physically, mentally, and socially.

Prerequisite: none **Grade:** 11 **Credit:** .25 **Wt.:** 1.0

503 - PHYSICAL EDUCATION 9M – (Male)

530 - PHYSICAL EDUCATION 9F– (Female)

All classes meet twice a week for one semester. The course is designed to create an appreciative attitude toward lifetime activities and fitness. Activities include flag football, bocce, fitness walking, soccer, badminton, volleyball, strength training and evaluation of fitness levels.

Prerequisite: none **Grade:** 9 **Credit:** .25 **Wt.:** 1.0

504 - PHYSICAL EDUCATION 10M - (Male)**540 - PHYSICAL EDUCATION 10F – (Female)**

All classes meet twice a week for one semester. The course is designed to create an appreciative attitude toward lifetime activities and fitness. Activities include: flag football, bocci, weightlifting, badminton, basketball, evaluation of fitness levels, fitness walking, soccer and strength training.

Prerequisite: none Grade: 10 Credit: .25 Wt.: 1.0

505 - PHYSICAL EDUCATION 11M - (Male)**550 - PHYSICAL EDUCATION 11F - (Female)**

All classes meet twice a week for one semester. The course is designed to create an appreciative attitude towards lifetime activities and fitness. Activities include flag football, fitness walking, soccer, strength training horseshoes, volleyball and badminton.

Prerequisite: none Grade: 11 Credit: .25 Wt.: 1.0

506 - PHYSICAL EDUCATION 12M – (Male)**560 - PHYSICAL EDUCATION 12F- (Female)**

All classes meet twice a week for two semesters. The course is designed to create an appreciative attitude towards lifetime activities and fitness. Activities include: flag football, horseshoes, bocci, badminton, fitness walking, volleyball, strength training, personal fitness, soccer and drug education.

Prerequisite: none Grade: 12 Credit: .25 Wt.: 1.0

507 - ADAPTED PHYSICAL EDUCATION – (Male)**570 - ADAPTED PHYSICAL EDUCATION – (Female)**

This class is only offered to students who are incapable of participating in regular physical education, a PA State graduation requirement. To have adapted PE, you must present a doctor's excuse or have your doctor complete the request form available in the office. The doctor will also have to send in a note when you are permitted to participate in regular PE.

Credits: .25 Wt: 1.0

508 - DRIVER EDUCATION

All tenth grade students are required to take the classroom course. To receive a discount on vehicle insurance, students must also pay for and schedule six behind-the-wheel actual driving hours. Sign up with payment of \$50 on a first come, first-serve basis.

Prerequisite: none Grades: 10, 11, 12 Credit: .25 Wt.: 1.0

FOREIGN LANGUAGE DEPARTMENT

601 - FRENCH I

This is an introductory course, exposing students to the French language and culture. It involves the development of the four communication skills (speaking, listening, reading, and writing) through oral drills, guided dialogue, and written exercises. Attention is given to grammar, composition, and above all, development of good speech habits through introduction to the sounds of the language. Students will complete reading and writing activities and supplemental readings that allow students to make connections between English and French. All French classes focus on the 5Cs of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: none

Grades: 9, 10, 11

Credits: 1 Wt.: 1.04

602 - FRENCH II

This course is designed to strengthen the four communication skills acquired in French I. There is continuous work on vocabulary building and verb structure. Through the study of grammar, a competency is developed in reading and writing French. Students will complete reading and writing activities and supplemental readings that allow students to make connections between English and French. All French classes focus on the 5Cs of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: 78% average in French I is recommended

Grades: 10, 11, 12

Credit: 1 Wt.: 1.04

603 - FRENCH III/CHS FRENCH 102 – ST. FRANCIS UNIVERSITY (3 CREDITS)

This course further strengthens the four communication skills with a more detailed study of syntax and grammar. There is constant reinforcement of the basic structures with emphasis placed on reading and writing French. The students will also read supplemental materials that reinforce aspects of the French language as well as study history customs and traditions. The course will culminate in the study of a French novel. All French classes focus on the 5Cs of Language Learning: communication, comparisons, connections, culture, and community.

Students may take French III as a College in High School course and earn 3 college credits in French through St. Francis University.

Prerequisite: 84% average in French II is recommended

Grades: 11, 12

Credit: 1 Wt.: 1.10

604 - FRENCH IV

In this course, emphasis is placed on conversation, reading, and writing. There is a continuation of the study of French history and culture through literature, art, and film. Students participate in conversational activities such as creating dialogues, commercials, and plays. They will also develop skills reading authentic texts, poetry, and a French novel. All French classes focus on the 5C's of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: 84% average in French III is recommended

Grade: 12

Credit: 1 Wt.: 1.08

605 - SPANISH I

This course is an introduction to the Spanish language and culture. The four communication skills are developed through continuous practice. Emphasis is placed on basic Spanish conversation, structure, and translation. Students also study Spanish/Hispanic culture and make connections between their own and Spanish culture. All Spanish classes focus on the 5C's of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: none

Grades: 9, 10, 11

Credit: 1 Wt.: 1.04

606 - SPANISH II

This course is designed to strengthen the four communication skills through increased practice. Emphasis is placed on grammatical construction, pronunciation, and culture. There is continuous work on the enrichment of vocabulary with emphasis on active vocabulary. The students continue to use supplemental readings to enrich their connections and understanding of the Spanish culture. All Spanish classes focus on the 5C's of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: 78% in Spanish I is recommended

Grades: 10, 11, 12

Credit: 1 Wt.: 1.04

607 - SPANISH III/CHS SPANISH 102 - ST. FRANCIS UNIVERSITY (3 CREDITS)

This course is designed to further enhance the student's skills in Spanish. Strong emphasis is placed on reading and writing with further skill development in speaking and comprehending both oral and written Spanish. The students study units incorporating novels, poetry, art, cooking, as well as supplemental readings that require more in-depth analysis of the Spanish language. The course can be taken in conjunction with St. Francis University for college credit, so the student should possess a solid foundation if taking this course. All Spanish classes focus on the 5C's of Language Learning: communication, comparisons, connections, culture, and community. In order to receive college credit, the student must maintain a "C" average.

Prerequisite: 84% average in Spanish II is recommended

Grade: 11

Credit: 1 Wt.: 1.10

608 - SPANISH IV

In this course, emphasis is placed on conversation, reading and writing. Comprehension of oral and written Spanish is further developed by the formulation of compositions and conversational activities. There is a continuation of the study of Hispanic culture and its influence on the world. This course includes a more detailed study of the language and culture, using art, photographs, short stories, poetry, novels, occupational themes, and stories of life among the Spanish people here and abroad. This course can be taken in conjunction with St. Francis University for college credit, so the student should possess a solid foundation if taking this course. All Spanish classes focus on the 5C's of Language Learning: communication, comparisons, connections, culture, and community.

Prerequisite: 84% average in Spanish III is recommended

Grade: 12

Credit: 1 Wt. 1.08

BUSINESS, COMPUTER, & INFORMATION TECHNOLOGY DEPARTMENT

801 - FINANCIAL LITERACY

The one-semester Financial Literacy course will familiarize students with Personal Finance and the Stock Market. Topics include: time management, finding a job, budgeting and saving, finding an apartment, buying a car, choosing and balancing a checking account, getting a credit card, using online banking, paying taxes, investing, saving for retirement, buying a home, and insurance. These topics will be introduced through material and simulations developed by Knowledge Matters Inc. and the Investopedia Stock Market Simulation and website. Students will also gain valuable insights into budgeting through the H&R Block Budget Challenge simulation. These simulations are intended to boost students' knowledge and improve their decision-making process when handling everyday financial tasks.

Prerequisite: none

Grade 10-12

Credits: .5

Wt: 1.0

812 - YEARBOOK PRODUCTION

This year long course is open to students in grades 10-12 who have applied and been accepted to serve on the Tuckahoe Yearbook staff by the advisor. The staff will create page layouts for the publication including the Spring Supplement using web-based tools provided by the publishing company. The staff works diligently in developing a central yearbook theme each school year, accentuated with crisp photography, extensive journalistic writing, special effects, and page design coordinated with the theme.

Prerequisite: Teacher selected

Grades: 9-12

Credit: 1.0

Wt.: 1.0

811 - YEARBOOK PRODUCTION

This course has the same expectations as Yearbook- 812. Students who participate concurrently in band- 917 or chorus- 918 are to schedule this course.

Prerequisite: Teacher selected

Grades: 9-12

Credit: 0.5

Wt.: 1.0

821 - COMPUTER APPLICATIONS 1

A one-semester course required of all 9th grade students. Students will receive instruction in word processing and electronic presentations using Microsoft Word and Microsoft PowerPoint. Additionally, students will gain knowledge into file management, network navigation, cloud storage, and Office 365. A goal of Computer Applications 1 is to develop skills that can be used in other curriculum areas.

Prerequisite: None

Grade: 9

Credit: .5

Wt: 1.0

822 - MULTIMEDIA 1

A one-semester elective course focusing on digital photography and editing, audio editing, and video editing. Students are introduced to these topics through exploration and project completion. Some projects include picture slideshows, audio and video commercials, genre changing movie trailer, stop motion video, animation video, and an outside of school video project.

Prerequisite: None

Grades: 11 & 12

Credit: .5

Wt: 1.0

831 - COMPUTER APPLICATIONS II

A one-semester course required of all non-CTC 10th grade students. Students will receive instruction in spreadsheet and database creation and manipulation using Microsoft Excel and Microsoft Access. Additionally students will gain knowledge into application integration, file management, network navigation, cloud storage, and Office 365.

Prerequisite: Computer Applications I Grade: 10th Credit: .5 Wt.: 1.0

827 - SWAT: EDUCATIONAL TECH INDEPENDENT STUDY

The Students Working to Advance Technology (SWAT) course is a hands-on study of technology integration in an educational context with opportunities for real-world experiences. Participants can prepare for careers in the field of technology and/or educational technology by becoming involved in the following tasks: Assisting the Technology Department with various aspects of support such as troubleshooting technical issues as well as the delivery, set-up and inventory of technology equipment. Additionally, students will become "integration specialists", helping BASD teachers introduce and utilize various technologies in their classrooms. Participants will also create multimedia presentations, videos and other forms of media that will be used to promote school activities and events. Finally, students will select an area of focus in which they will concentrate on advancing their knowledge and skills related to a particular technology-based topic.

Grade: 10-12 Credit: 1 Wt.: 1.0

829 – BLUE PRINT: MULTI-MEDIA INDEPENDENT STUDY

Students will study all aspects of electronic news reporting. Course emphasizes hands-on learning to develop writing skills as well as the use of various devices, equipment, software and applications necessary to produce an assortment of media types.

Grade: 10-12 Credit: 1 Wt.: 1.0

AGRICULTURE EDUCATION DEPARTMENT

813 - AGRICULTURE SCIENCE

This is a full year course for all students interested in learning basic scientific concepts in agriculture. Topics include exploring agriculture careers, animal science and nutrition, record keeping, soil science, and plant science. Students taking this class are also eligible to participate in FFA activities. Students will be keeping a home project as a requirement for this class.

Prerequisite: *Agriculture Ed. Students given preference.*

Grades: 9-12 Credit: 1 Wt.: 1.0

814 - AGRICULTURE SCIENCE II

This is a full year course concentrating on the processing and marketing of agriculture products. Topics of instruction include forestry and lumber products, dairy foods, meat cutting and grading, Ag business principles, soil nutrient management, and agronomy. Students will be keeping a home project as a requirement.

Prerequisite: *Agriculture Science*

Grade: 10 Credit: 1 Wt.: 1.0

815 - AGRICULTURE SCIENCE III - grade 11

815 and 816 are combined

816 - AGRICULTURE SCIENCE IV - grade 12

Since two grades (11 & 12) are grouped together in this course, the content of the course changes every other year and is divided into units of instruction in the following manner: Students will be keeping a home project as a requirement.

YEAR A (2016 - 2017)

Ag Power Machinery
Ag Economics Principles
Ag Marketing Practices
Pesticide Management
Fruit Vegetable Gardening
Lawns and Landscaping
Supervised Ag. Experience

Prerequisite: *Agriculture Education II*

YEAR B (2015 – 2016)

Natural Resources
Concrete and Masonry Practices
Wildlife Management
Personal Money Management
Applications and interviews
Supervised Ag. Experience

Grades: 11, 12 Credit: 1 Wt.: 1.0

823 - AG MECHANICS I

This is a full year course, with time divided into four different skill areas in the Ag. Mechanics Laboratory: power woodworking, cold metal working, electric arc welding, and hand tool sharpening and repair. Once students complete all of the assigned activities, students may work on individual projects with the permission of the instructor. ***Shop safety is always emphasized,*** and students are expected to act in a responsible manner at all times to prevent unnecessary injuries. ***Students choosing this course must also select 813 Ag. Science or receive approval from the guidance office.***

Prerequisite: *none*

Grade: 9 Credit: 1 Wt.: 1

834 - AG MECHANICS II

This is a full year course, with time divided into four different skill areas in the Ag. Mechanics Laboratory: advanced woodworking, electric wiring, small engine repair, plumbing and water systems, and forging (heating and shaping of steel). **Shop safety is always emphasized**, and students are expected to act in a responsible manner at all times to prevent unnecessary injuries.

Prerequisite: *Ag. Mechanics I*

Grade: 10

Credit: 1 **Wt.:** 1.0

835 - AG MECHANICS III

This is a full year course where students further explore selected skill areas in the Ag. Mechanics Laboratory. Once students complete all of the skill areas, students may work on individual projects with the permission of the instructor. **Shop safety is always emphasized**, and students are expected to act in a responsible manner at all times to prevent unnecessary injuries.

Prerequisite: *Ag. Mechanics II*

Grade: 11

Credit: 1 **Wt.:** 1.0

836 - AG MECHANICS IV

This is a full year course where students further explore selected skill areas in the Ag. Mechanics Laboratory. Once students complete all of the skill areas, students may work on individual projects with the permission of the instructor. **Shop safety is always emphasized**, and students are expected to act in a responsible manner at all times to prevent unnecessary injuries.

Prerequisite: *Ag. Mechanics III*

Grade: 12

Credit: 1 **Wt.:** 1.0

839 - AG PROJECT

In this course, students keep records on a home project conducted after school hours and/or during the summer. The project records must document at least 130 project hours, and project books must be turned in for grading at the end of every month. This course also includes two “on-site” project visits by the instructor to verify student records. **Students must complete one year of Ag. Education before selecting this course.**

Ag Project is required of all students who are taking Ag Science II, III, or IV – it is worth a full elective credit towards graduation!

Prerequisite: *Any Ag. Ed. Course*

Grades: 10, 11, 12 **Credit:** 1 **Wt.:** 1.0

AG WORK EXPERIENCE

This is a full year course for senior Ag. Education students only. Special arrangements must be made with an employer, the instructor, and the high school office before scheduling this course. See your instructor for further details.

Prerequisite: *12th grade Ag. Ed. Students completing at least 1 credit of course #839 Ag. Project. Participants must have the approval of the high school office and the instructor.*

Credit: 1-3 **Wt.:** 1.0

PRACTICAL ART & ELECTIVE SUBJECTS

817 - INTRO TO HOME ECONOMICS

This is a year-long course which includes cooking, nutrition, sewing, and managing your finances. Cooking will include kitchen safety, equipment, etiquette, table setting and making food from different units such as, dairy, desserts, meats, carbohydrates, fruits, vegetables, eggs, microwaves, and candies. You will also learn about Nutrition which includes the six main nutrients, choose my plate, portion sizes, sugar content of foods, diet related diseases, and the benefits of vitamins and minerals. Managing your finances will include budgets, check writing and identity theft. If you like to learn, create and work with your hands, this course is for you!

Prerequisite: none

Grades: 9,10,11,12

Credit: 1 Wt.: 1.0

901 - ART APPRECIATION

This class is suggested for art and non-art students. The class will explore a variety of creative art topics and media with a focus on art elements and principles, as well as how artists design or compose artworks. Media may include but is not limited to drawing, painting, sculpture, clay, ink, glass and others. Topics may include art history, design and composition, color theory, and the elements and principles of design. A variety of interesting subject matter and themes will be explored including realistic, surrealism, abstract, cubism and impressionism. This class is open to students grades nine through twelve and is a yearlong course.

Prerequisite: none

Grades: 9, 10, 11, 12

Credit: 1 Wt.: 1.0

902 - DRAWING AND SCULPTURE

Drawing: This course is for beginners as well as more advanced students. The class will start with the fundamentals of drawing and build to include experimenting with drawing materials and techniques. Exercises will include basic drawing methods, techniques and principles that students need to practice when drawing. Design/composition concepts will still be emphasized as an integral part of the lessons. The possibility of materials used may include but are not limited to graphite pencil, charcoal, conte, colored pencil, pastels, and pen and ink. Subject matter may include: still life, landscapes, nature objects, portraits, lettering and graphic design. Students will be allowed more freedom of subject matter to be used with each drawing experience. This class is open to students grades nine through twelve and is taught in the fall semester.

Sculpture: This course is for beginners as well as more advanced students. The course is centered on media that can be constructed into 3D form. Sculptural media may include but is not limited to cardboard, clay, wood, and found materials as well as the introduction of sculptural installation. Subject matter and inspiration will come from life experiences and studies. Design/composition concepts as well as looking at art throughout history will be part of the instruction. This course is open to students grades nine through twelve and is taught in the spring semester.

Prerequisite: none

Grades: 9, 10, 11, 12

Credit: 1 Wt.: 1.0

903 - CERAMICS AND PAINTING

Ceramics: This class is a foundations course centering on the medium of clay. Introductory hand building techniques will be mastered in this class with students learning the process of ceramics from building through drying and to firing. Projects will be preplanned with drawings. Techniques may include slab- construction, pinch pots, coil- construction, wheel throwing, additive and subtractive sculpting as well as the combining of multiple techniques. Decorative techniques with sculptural elements as well as glazing will be explored throughout this course. For inspiration, students will study the history of ceramics, as well as viewing works from modern craftsman. This class is open to students grades nine through twelve and is taught in the fall semester.

Painting: This course is for beginners as well as more advanced students. The class will start with the fundamentals of painting and build to include methods and techniques in each painting medium. Painting media may include watercolor, acrylics, oils, pastels, gouache and will include possible use of mixed media combinations. Styles that will be instructed for example are expressionism and various forms of abstract. Students will be allowed more freedom of subject matter with each painting experience. Design/composition concepts as well as looking at art history will be part of the instruction. This class is open to students grades nine through twelve and is taught in the spring semester.

Prerequisite: none **Grades:** 9, 10, 11, 12 **Credit:** 1 **Wt.:** 1.0

904 – TRADITIONAL CRAFTS AND GRAPHIC DESIGN

Traditional Crafts: The definition of craftsperson is someone who perfects their techniques in the medium that he/she chooses. Traditional crafts are within the decorative arts that traditionally are defined by their relationship to functional or utilitarian products. This is a sampling course designed for the student who wishes to experiment with a wide variety of traditional crafts methods. Methods may include three dimensional design, mosaics, jewelry/metals, stained glass, glass fusion and slumping, batik, sculpture, weaving, etc. This class is open to students grades nine through twelve and is taught in the fall semester.

Graphic Design: This is an introductory course for the student who would like to design art as a means of visual communication. This is a sampling course designed for the art student who wishes to learn the fundamentals of graphic design. Projects will be a combination of hand drawn and computer generated and will be taken from the approach of a fine artist and/or commercial perspective. Course will not be taught using Photoshop and Illustrated, but however by Microsoft programs and possible Apple Applications. Projects may include inventing, advertising, corporate identity, packaging design, posters, brochures, typography, marketing, T-shirt design, etc. This class is open to students grades nine through twelve and is taught in the spring semester.

Prerequisite: none **Grades:** 9, 10, 11, 12 **Credit:** 1 **Wt.:** 1.0

905 - INDUSTRIAL ARTS/TECH ED I

This course is designed to introduce students to Industrial Arts/Tech Ed. Instructional areas include Metal Working, Power Metal Technology, Oxy-Acetylene Brazing, and Aluminum Sand Casting. The student will develop an insight and understanding of industrial arts' place in society and will develop problem solving strategies related to the use of tools and machines.

Prerequisite: none

Grade: 9

Credit: 1 Wt.: 1.0

906 - INDUSTRIAL ARTS/TECH ED II

This course is an introductory woodworking course. The student will develop an insight and understanding of industry and its place in our society. Students will develop problem solving abilities related to a variety of tools, materials, processes and products. Students will develop skill in the safe use of tools and machines. This course will promote the understanding of technology, and provide knowledge to make career decisions. Student made projects will be on the introductory level.

Prerequisite: none

Grade: 10

Credit: 1 Wt.: 1.0

907 - INDUSTRIAL ARTS/TECH ED III

This course is an intermediate woodworking course. The student will develop an insight and understanding of industry and its place in our society. Students will develop problem solving abilities related to a variety of tools, materials, processes and products. Students will develop skill in the safe use of tools and machines. This course will promote the understanding of technology, and provide knowledge to make career decisions. Student made projects will be on the intermediate level.

Prerequisite: none

Grade: 11

Credit: 1 Wt.: 1.0

908 - INDUSTRIAL ARTS/TECH ED IV

This course is an advanced woodworking course. The student will develop an insight and understanding of industry and its place in our society. Students will develop problem solving abilities related to a variety of tools, materials, processes and products. Students will develop skill in the safe use of tools and machines. This course will promote the understanding of technology, and provide knowledge to make career decisions. Student made projects will be on the advanced level.

Prerequisite: none

Grade: 12

Credit: 1 Wt.: 1.0

912 - MUSIC THEATRE

This course involves an in-depth investigation of the American Musical Theater. It also deals with theater acting, audition and musical preparation, stage make-up, house management, set construction, theater lighting, and sound.

Prerequisite: Students electing this course must participate in one of the following: the annual musical and/or stage crew.

Grades: 9-12 Credit: 1 Wt.: 1.0

913 - INSTRUMENTAL MUSIC

Students enrolled in instrumental music rehearse daily and attend private lessons to prepare for winter and spring concert performances. A variety of extracurricular opportunities may be offered as well. Marching band is an optional activity but will be included in the grade of students who participate.

1-5 Days/Week

Grades: 9-12 Credit: 1.0 Wt.: 1.0

914 - CHORUS

Students who wish to participate in chorus must schedule chorus as part of their instructional day. Enrolled chorus students will rehearse daily and attend private lessons to prepare for winter and spring concerts and special performances. Chorus students may also participate in a variety of extracurricular performance opportunities.

1-5 Days/Week; Try-outs required

Grades: 9-12 Credit: 1.0 Wt.: 1.0

917 - INSTRUMENTAL MUSIC

This course has the same expectations as Instrumental Music 913. Students who participate concurrently in band and chorus are to schedule this course.

Credit: .5 Wt.: 1.0

918 - CHORUS

This course has the same expectations as Chorus 914. Students who participate concurrently in band and chorus are to schedule this course.

This class will meet 2-3 days per week opposite 917.

Credit: .5 Wt.: 1.0

925 - SENIOR SEMINAR

Senior Seminar typically meets once a week during 8th period, which easily schedules around PE 12 and CHS Physics lab. The course teaches living skills that all people need to know in order to successfully live on their own. Students will experience hands-on activities that include but are not limited to the following: leasing/renting an apartment; developing a personal budget; saving/investing money; loans and credit cards; balancing a checkbook; maintaining/repairing equipment; vehicle selection and maintenance; preparing meals; cleaning and maintaining a home; planning a trip or vacation. Grading will be based on student participation in class activities as well as completion of projects and other assignments.

1 Day/Week

Grade: 12

Credit: .25 Wt.: 1.0

CHS Courses

CHS = College in High School

These courses are offered at BAHS and taught by our faculty. Students have the opportunity to register for these courses through the affiliated college/university and earn college credit. Currently, we offer courses through St. Francis University, Penn Highlands Community College, Mount Aloysius College, and University of Pittsburgh. Costs and registration procedures differ by college/university and typically occur in the fall. The teacher of the course will discuss this information with students at the beginning of the school year.

The student is responsible to see if and how these credits would transfer to other colleges/universities after high school. This information can usually be found on the college/university website or by contacting the admissions office. Your school counselor can also help in obtaining this information.

Learn & Earn Program

An additional scheduling option for senior students is to participate in our Learn & Earn Work Experience Program. This program is intended for students who are employed outside of school and who have met most of the graduation requirements by the end of their junior year. It allows seniors to attend BAHS for part of the day to take their remaining required courses for graduation and then to leave school to work for the remaining part of the school day. Students do not earn high school credit for the Learn & Earn Work Experience Program. Certain policies and procedures apply. See your school counselor for more information and to see if you qualify.

Scheduling Questions

Scheduling information will be reviewed with students during January/February of each school year. Please contact or arrange a time to meet with your high school counselor if you and/or your parent(s)/guardian(s) have any questions or concerns.

High School Counselor: Danielle Patton
(814) 742-2274 ext. 4317
dnpatton@blwd.k12.pa.us