Interboro High School

Program of Studies

2019-2020

Interboro School District provides a challenging and supportive learning environment for all students to succeed academically, socially, and emotionally while becoming college and career ready citizens within a global community.

High School Administration

Ryan Johnston – Principal
Brian Lytz – Assistant Principal
Kelin Spina – Assistant Principal
Ed Kloss – Athletic Director/Assistant Principal

Guidance Department

Brian Hines - A – G
Michelle McEvoy - H - N
Meghan Magee - O – Z
Jennifer Fanning – Special Ed. 10th &12th
Shannon Tangradi - Special Ed. 9th & 10th
Chijioke Robinson - College and Career

Vision of the Interboro School District

Curriculum	● All students will receive high quality, standards based curriculum that promotes critical thinking skills and high expectations ● All students will have an understanding of what they are learning and why they are learning it
Instruction	● All educators will deliver high quality and engaging instruction tailored to students specific learning needs ● All educators will utilize research based instructional practices to ensure maximum success for all students
Assessment	● Student progress and growth will be measured through multiple and varied assessments that are aligned with standards ● Student performance will guide instructional practice, curriculum design and procedures ● As confident learners, all students will demonstrate creativity, think critically, and problem solve
Environment	● All students and staff with thrive in a safe and caring environment that fosters confidence and promotes academic, social, and emotional growth ● The learning environment will be characterized by positive, respectful interactions with expectations established for all

TABLE OF CONTENTS

NUMBER OF COURSES

Underclassmen are required to carry at least 6 credits. Seniors are required to carry minimum of 5 credits.

GRADUATION

Graduation requirements at Interboro High School include completion of 23 credits. In addition, students are required to complete an approved culminating project.

- Students are required to earn a total of **23 credits** to graduate from Interboro High School. Successful course completion and attainment of the prescribed credits indicated will signify that graduates from the Interboro High School have demonstrated proficiency in planned instruction aligned with academic standards in the following areas: Language Arts; Mathematics; Science and Technology; Social Studies; Environment and Ecology; Arts and Humanities; Health and Wellness; and Family and Consumer Sciences. Planned instruction may be provided as a separate course or as an instructional unit within a course or other interdisciplinary instructional activity.

Subject	**Credits**
English	4
Social Studies	4
Science	3
Mathematics	3
Physical Education	1
Health	0.5
Electives	
✓**Technology**	0.5
✓**Arts & Humanities** *Choose Elective Courses from the following areas: World Languages; Art; Music; English; Social Studies*	2
✓**Practical Arts/STEM** *Choose Elective Courses from the following areas: Computer/Information Technology;Industrial Technology; Family & Consumer Sciences; Science; Business; Math*	1
✓**Other** *Student can choose electives from any department to satisfy remaining elective requirement*	4
TOTAL	**23 Credits**

- Per the Pennsylvania Department of Education, student's graduation requirements are monitored through their academics, attendance, and college and career planning. Graduation planning starts in the 9th grade and progresses through the 12th grade. Seniors are to collect at least 8 pieces of approved college and career evidence by the end of their 11th grade year, per Interboro School District's Chapter 339 School Counseling Plan. This plan, mandated and approved by the Pennsylvania Department of Education, dictates the development and implementation of a comprehensive, sequential program of guidance services for kindergarten through 12th grade. Also, students must obtain 23 approved credits; and maintain a 90% attendance rate. In addition, students will complete a culminating project, the purpose of which is to assure that students are able to apply, analyze, synthesize and evaluate information and communicate significant knowledge and understanding.

KEYSTONE EXAMINATIONS

Senate Bill 1095, which was signed into law by Governor Tom Wolf on October 24, 2018, shifts Pennsylvania's reliance on high stakes testing as a graduation requirement to provide alternatives for high school students to demonstrate readiness for postsecondary success. Formerly, Pennsylvania's graduation requirement was more restrictive, requiring most students to pass the Keystone Exams — end of course exams in Algebra I, Literature, and Biology. Senate Bill 1095 will expand the options for students to demonstrate postsecondary readiness using four additional pathways that more fully illustrate college, career, and community readiness.

The statewide graduation requirement takes effect for the graduating class of 2022. Additionally, Keystone Exams are the statewide assessment that Pennsylvania uses to comply with accountability requirements in the federal Every Student Succeeds Act (ESSA). Each state is expected to achieve 95 percent participation on its statewide exams.

Students can meet the statewide graduation requirement by:

- Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.
- Earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams. The passing composite score will be available in August 2019.
- Earning a passing grade on the courses associated with each Keystone Exam, and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB), advanced coursework (AP, dual enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
- Earning a passing grade on the courses associated with each Keystone Exam, and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
- Earning a passing grade on the courses associated with each Keystone Exam, and demonstrate readiness for postsecondary engagement through three pieces of evidence from the student's career portfolio aligned to student goals and career plan. Examples of evidence will include ACT, SAT, AP, higher education acceptance, community learning project,

completion of an internship, externship or co-op or full-time employment

PROMOTION REQUIREMENTS

For a student to progress from grade to grade, a student must accumulate the following credits:

10th Grade - minimum 4.5 credits

11th Grade - minimum 10.5 credits

12th Grade - minimum 16.5 credits

Seniors with 17 credits or fewer must take a full 6.5 credits during senior year.

COURSE REQUESTS and SCHEDULING

Students and parents are requested to be thoughtful and thorough in their selection of courses during the spring semester. The number of students electing a course and the availability of teachers will determine whether or not a course will be offered. Courses may not run without sufficient enrollment. All students are expected to continue in, and complete, the courses selected. Any student requesting an Advanced Placement (AP) course must understand there is an expectation regarding the willingness to remain committed to the course and the expectation of taking the exam. Students and parents must sign an agreement (AP Contract) that details the expectations of an AP course.

SCHEDULE CHANGES

Adequate schedule planning for students, teachers, and classroom space can be completed only when school officials can consider student schedule requests to be final and binding. The first two weeks of school are reserved for errors and omissions to schedules only. Students who do not complete their course selection will be assigned courses and will not be permitted to change their schedule at any time. Students who request schedule changes over the summer can meet with their counselor. Counselors are available every Wednesday at Interboro High School during the summer months. Parents should be involved with this conference in order to assist the student and counselor to arrive at a reasonable decision.

There are times when a change in a student's schedule is desired. After the first two weeks of the school year, the administrator and counselor committee will review requests and come to a decision that is most beneficial for the student.

Courses dropped before the end of the first marking period will not show on the report card of the student. Courses dropped after this date will show the earned grades to date and be reflected as a WP (withdrawn passing) or WF (withdrawn failing) for the final grade and zero credit for the year. The consequences for withdrawing from a course at a later date will be as follows:

If the course is changed before the end of the first marking period and is changed to a related course then the grade will transfer to the new course. Students transferring to an unrelated course will have the grade earned in the 2nd marking period also recorded as the 1st marking period grade.

Full year courses changed before the end of the second marking period to a related course will transfer the grade with the course. Student transferring to an unrelated course will receive a withdraw passing/withdraw failing grade for a course they are dropping. Credits are not received and this course will not be included in the GPA (grade point average), but will appear on the report

card and official transcript as WP/WF

DATA-SUPPORTED STUDENT PLACEMENT

Administrators, counselors, and teachers will use a variety of data tools to place students in courses that match their learning needs. In addition to grades, state assessments, and teacher recommendations, school staff will use data from the State's Performance Value Added Assessment System [PVAAS]. Specifically, school staff will use PVAAS Projections to appropriately place students in the following content areas: English, Mathematics, and Science. A PVAAS projection is a more reliable indicator than a student's most recent test score because it does not rely on a single snapshot in time; rather, it includes a student's testing history across grades and subjects to project future performance. Importantly, PVAAS Projections help us look ahead and determine the probability of student success in a selected course.

WORK STUDY PROGRAM

Students can also receive credit for legal work completed outside of the high school. In addition, work-study programs can also be approved for seniors. Prior approval is required for any academic credit or work completed outside of the school setting. Students who have been approved for a work-study program will be required to regularly submit pay stubs to guidance counselor for monitoring.

SUMMER READING LIST

In promoting the importance of reading, the Interboro School District will continue to incorporate a summer reading program. The summer reading program encourages students in grades 9 - 12 to read books from an approved list. This list will be distributed to all students prior to leaving school in June. Copies will be kept on file at the high school and the four neighborhood schools, as well as local bookstores and libraries.

The English Department will provide an assessment for students upon their return to school in September. We urge parents to encourage their children to read and learn all year round. Detailed information will be available at www.interborosd.org.

SUMMER MATH ASSIGNMENT

In order to help students better retain information from the previous year and to help them to prepare for the year to come, the Interboro Math Department may give an appropriate summer assignment by course. Students may receive details regarding their assignment prior to the end of the school year. Detailed information will be available at www.interborosd.org.

CLASS RANK

Interboro High School uses a weighted system for computing class rank. Courses in the core areas of English Language Arts, Mathematics, Science, and Social Studies have been assigned weighted numbers prescribed categories according to level of difficulty. The weighted number for each course was determined by comparing the planned course objectives.

COURSE WEIGHTING

- Transfer students: because all weighting systems are different in each school, Interboro High School uses the unweighted GPA for the course(s) a student has completed from another school. The weighting applies to the courses a student completes here.

Table of Course Weight Values				
Subject Area	**AP (+10 weight)**	**Honors (+7 weight)**	**College Prep (+3 weight)**	**Academic (+0 Weight)**
Mathematics	AP Calculus AP Statistics	Honors Algebra I Honors Geometry Honors Algebra II Honors Pre-Calculus Honors Calculus I	CP Pre-Algebra CP Algebra I CP Geometry CP Algebra II CP Adv. Math CP Trigonometry CP Probability & Statistics CP Pre-Calculus	Consumer Math Keystone Algebra
English Language Arts	AP English Lang. & Comp. AP English Lit. & Comp.	Honors English 9 Honors English 10 Honors American Lit 11 Honors British Lit & Comp 12	CP English 9 CP English 10 CP English 11 CP English 12	English 11 English 12 English Language Arts Electives
Science	AP Physics AP Biology AP Environmental Science	Honors Biology Honors Chemistry Honors Physics Allied Health II	CP Integrated Science CP Biology CP Physical Science CP Chemistry CP Physics CP Earth & Space Adv. Biology-Environmental & Human Anatomy Allied Health I CP Physical Science	Keystone Biology Earth & Space Physical Science
Social Studies	AP European History AP World History AP U.S. History AP Government	Honors Multi-Cultures Honors U.S. History I	CP Multi-Cultures CP U.S. History I CP U.S. History II CP Government & Politics	U.S. History II Government & Politics
Electives	AP Studio Art AP Economics AP Psychology AP Computer Science Principles	DCTS Programs: Medical Careers, Biomedical Technologies, Exercise Science, Engineering (3 credits of Honors Weighting) French III, IV Spanish IV Adv. Spanish III & IV	French I French II Spanish I Spanish II Adv. Spanish II	

Interboro High School uses a traditional GPA featuring weighted quality points to determine class rank. The quality points calculation chart is described below and applicable to identified core content courses (English Language Arts, Mathematics, Science, and Social Studies and World Languages).

Academic - Academic courses include elective courses that do not fulfill credit requirements for a specific department but are needed to fulfill overall credit requirements for graduation.

College Prep - College preparatory indicates that a school prepares students for college with a focus on preparing students for college and careers.

Honors - Honors courses entail more demanding college-preparatory coursework, and are intended for the highest-achieving or most academically accelerated students in a school.

AP - Advanced Placement is a college level curriculum run by the College Board that allows you to take courses, which can earn you college credit and/or qualify you for more advanced classes when you begin college.

Grade	Academic	College Prep	Honors	AP
100	4.00	4.50	5.50	6.00
99	3.90	4.40	5.40	5.90
98	3.80	4.30	5.30	5.80
97	3.70	4.20	5.20	5.70
96	3.60	4.10	5.10	5.60
95	3.50	4.00	5.00	5.50
94	3.40	3.90	4.90	5.40
93	3.30	3.80	4.80	5.30
92	3.20	3.70	4.70	5.20
91	3.10	3.60	4.60	5.10
90	3.00	3.50	4.50	5.00
89	2.90	3.40	4.40	4.90
88	2.80	3.30	4.30	4.80
87	2.70	3.20	4.20	4.70
86	2.60	3.10	4.10	4.60
85	2.50	3.00	4.00	4.50
84	2.40	2.90	3.90	4.40
83	2.30	2.80	3.80	4.30
82	2.20	2.70	3.70	4.20
81	2.10	2.60	3.60	4.10
80	2.00	2.50	3.50	4.00
79	1.90	2.40	3.40	3.90
78	1.80	2.30	3.30	3.80
77	1.70	2.20	3.20	3.70
76	1.60	2.10	3.10	3.60
75	1.50	2.00	3.00	3.50
74	1.40	1.90	2.90	3.40
73	1.30	1.80	2.80	3.30
72	1.20	1.70	2.70	3.20
71	1.10	1.60	2.60	3.10

70	1.00	1.50	2.50	3.00
69	0.90	1.40	2.40	2.90
68	0.80	1.30	2.30	2.80
67	0.70	1.20	2.20	2.70
66	0.60	1.10	2.10	2.60
65	0.50	1.00	2.00	2.50

ART

The art curriculum at Interboro Senior High School is designed to engage/educate students in three key areas. First, the study of good design (aesthetics). Design is all around us and it is important for our students to be able to recognize the processes that affect their lives. Secondly, personal expression, at Interboro students can express themselves creatively in a safe supportive environment. Lastly, understanding the importance of art in a historical context. Art is not just about making something new. It can, and should be used as a tool to understand past human events from primary sources. Delivering art instruction in these three areas helps our students gain a better understanding of themselves, their past and their world.

Art I **.5 credit**	**Art II** **.5 credit**	**Art III** **1 credit**	**AP Studio Art** **1 credit**
This course teaches basic drawing & design concepts with an emphasis placed on understanding the elements of art & principles of design. Students will be exposed to a variety of art media to expand their knowledge and appreciation for creating art.	This course is a continuation of the Art I program. Students will further develop their understanding of the elements of art & principles of design while completing more complex and more involved projects.	This course studies advanced techniques in drawing, painting, design and sculpture. Students will be responsible for completing projects, participating in class critiques and maintaining a sketchbook. A prepared portfolio is expected at the end of this course. Prerequisite: Successful completion of Art II or 2D Design or 3D Design	This intensive course offers advanced study in drawing, painting, design and sculpture. An area of concentration will be completed using a wide variety of materials and methods. Time will be used for portfolio preparation, art school and career exploration. AP students who choose to take the AP exam will pay an additional fee for the test (approximately $85.00). **Prerequisite**: Successful completion of Art III, a portfolio presentation and a teacher recommendation

2D Design
.5 credit

This course expands on the design aspect of Art I, Students will see how design influences every aspect of our everyday lives. students will be exposed to a variety of media while they explore in depth concepts relating to the elements of art and principles of design. **Prerequisite**: Art I

3D Design
.5 credit

This course reinforces the design concepts from Art I. However, these concepts will be explained in real 3D space. Students will create a variety of sculptural projects using a variety of media. The materials will range from clay to cardboard to everyday objects. **Prerequisite**: Art I

BUSINESS

The Business and Technology Program of Studies is designed to develop problem-solving skills for everyday life to assist students in making informed career choices. Courses provide students the business and technology skills to prepare for transition not only into business and technology careers, but other educational and career paths. Additionally, students learn to manage personal business affairs accurately and efficiently, and students are prepared to make informed economic-based life decisions. These skills will benefit students regardless of their post-secondary pathway.

Introduction to Business
.5 credit

Students will have an opportunity to learn about the American enterprise system, how businesses are organized, and how businesses operate within our economic system. Students will be exposed to a variety of career choices in the business world. In addition to the textbook, students will explore real life scenarios, watch interesting and revealing videos showing how business affects our lives and society, while interacting with classmates and guest speakers

Marketing and Advertising
.5 credit

This hands on semester course will introduce students to the world of marketing and advertising. We will explore the process of bringing a product or service to market. Topics include product or service conception, pricing, promotion, and distribution. A marketing plan will be created for a product or service of your choice. We will explore ideas using a hands on approach to project based learning using real world case studies along with discussion with classmates and guest speakers. Learn how businesses can influence the decisions made by consumers.

How to Start a Business - Entrepreneurship
.5 credit

This hands on semester course is designed for the student interested in creating, owning, and managing his/her own business. Students will explore types of ownership, essential business skills and abilities needed for successful business ownership. Throughout the semester students will create a business plan for a business idea of their choice. Some topics that will be covered include: financing, staffing, competition and marketing. Each of these ideas will be studied through hands on project based learning, real world case studies, interacting with classmates and guest speakers. Famous entrepreneurs will also be studied.

Personal Financial Management
.5 credit

Our course is a must have for all students regardless of their academic pursuits. Managing our money is one of the most difficult tasks in life. We will discuss managing savings and investments, buying cars, acquiring and using credit cards, how to buy a house, insurance and more. This class will help students begin to think about their financial decisions and the consequences they bring in our lives.
Prerequisite: Grade levels 11th and 12th grade students.

Accounting I
1 credit

Students will learn the basic principles of the accounting cycle. This is an excellent introductory course to accounting principles. Being that accounting is the language of "Business" this is a must have for any student interested in any business career. If any student pursues a business degree they will see accounting classes in their further education. Missing this opportunity would be a mistake.
Prerequisite: Interest in Business or seeking a degree in a Business Related Field

Accounting II
1 credit

This is a full-year course in advanced accounting principles with an emphasis on partnership and corporate accounting. The foundation work from Accounting I is used as the building block for this course. Understanding is accomplished through a variety of application, homework, and case problems that are designed to aid the student in grasping essential advanced accounting concepts. Realism is created through the use of a business simulation during the last quarter. You will learn how to apply the knowledge in accounting through the use of computerized accounting software.
Prerequisite: Accounting I.

Work Co-op
.5 to 2 credits

Work Co-op is a program for those students who would like to explore career options, continue learning employment related job skills in the classroom, and earn money at the same time. Students have worked in the offices, telephone marketing, restaurants, stores, etc. The Co-op Coordinator and the work supervisor will closely monitor the student's progress on the job. Each quarter students are able to earn .5 credits for working a minimum of 15 hours per week. Requirements include the completion of a monthly calendar indicating hours worked, providing the coordinator Coordinator one pay stub per month, and a quarterly review from employer.

COMPUTERS/INFORMATION TECHNOLOGY

Computer Applications
.5 credit

Taking the course will enable you to become a proficient user of Microsoft Office Products. Having technical skills in Word, Excel, Publisher and PowerPoint, as well as internet based products such as Google Apps and other internet tools will ensure an opportunity for success in high school, college and future careers. Additional Topics include discussion on Digital Citizenships and safety tips concerning social networking sites and electronic footprints tracking your communication and technology activities.

Advanced Business & Career Applications
.5 credit

Students will develop skills using spreadsheet, database and other communication programs to solve real world problems. It is important to develop these skills to be successful in college and career programs. See how real world situations lead professionals to meaningful solutions. This course supports learning for anyone seeking a career in Business or Technology.

Computer Programming
.5 credit

This course will introduce students to programming using the Python language. The students will learn how to create computer code using variables, functions, loops, and other programming techniques. Fundamental programming skills will include designing, coding, debugging and testing of applications. Basic concepts of general programming is a foundation for technical skills leading to career opportunities.

Web Page Design
.5 credit

Students will learn Hypertext Markup Language (HTML5), the "universal" programming language of the Internet. Students will understand HTML5 well enough to create basic web pages. Understanding HTML5 will also enable students to follow and, understand how web pages are constructed for the purpose of navigating the internet.

Advanced Web Page Design
.5 credit

Continuing where Web Page Design left off, students will continue to grow their knowledge of HTML5 while also introducing other languages used in web design such as CSS and Javascript.

Prerequisite: Completion of Web Page Design

Video Game Programming I
.5 credit

Learn to create a video game using functional programming techniques. Use your imagination to design a game by selecting a playing field and creating characters with rules. You will determine how characters interact. It is a great way to develop algebra skills while making a video game.
Prerequisite: Student must have completed Pre-Algebra/Topics in Geometry.

Video Game Programming II
.5 credit

Video Game Programming II goes deeper into programming, building events and data structures on top of the foundation laid by Video Game Programming I. Students learn how the world-based event loop that drives their Video Game Programming I game works and use it to create animations using simple datatypes for their world. The Pyret programming language has more capabilities to enhance your gaming features. The Pyret language is similar to python and is being used in college entry level programming courses.
Prerequisite: Student must have completed Video Game Programming I.

Computer Science Exploration
.5 credit

Computer Science & Applications-A is designed to be engaging for all 9th grade students regardless of prior experience. Computer Science concepts of problem solving, communication, web design, and game animation are explored.

Mobile App Development
.5 credit

Asks students to look outward and explore the impact of computer science on society. The design process will be explored and applied to creating and refining a mobile app that integrates everything they've learned throughout the course into one capstone project.

Prerequisite: Student must have completed Pre-Algebra

AP Computer Science Principles
1 credit

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.
Prerequisite: Student must have completed Algebra I.

FAMILY AND CONSUMER SCIENCES

The Family and Consumer Sciences department provides opportunities for students to experience possible career choices within and without the school environment. Courses are tracked as General FCS, Food Service and Hospitality, Apparel and Interior Design, and Human Services including teaching (preschool, kindergarten, elementary, middle and high school) and elder care. Limited internships in Professional Field Experience are available to senior students who have completed the necessary course sequence. All FCS courses include practical applications of technology and are meshed with the study of family, community, and workplace.

Chef's Corner
.5 Credit

In this lab based class students will study and apply basic cooking principles and techniques. You learn sanitation, kitchen safety, and knife skills. Then students will prepare and taste a wide variety of recipes such as lasagna, omelets, fajitas, apple crisp, tacos, chicken, French silk pie, shrimp scampi, homemade macaroni and cheese, pizza, etc., as well as food products on the market. While learning to prepare these foods you will increase your culinary skills and appreciation of great tasting food. This course is a prerequisite for the advanced foods courses. Basic skills learned in this class will be built upon in Gourmet Foods.

Gourmet Foods
.5 Credit

This class is for the student who enjoys cooking and wants to explore advanced culinary techniques. Students will do this by exploring different cuisines such as French, Italian, English, Greek, Chinese, and Latin American to name a few. We will learn to make French mother sauces, pasta and pizza from scratch. Students will also study the countries and how their history influences cuisine today. Students will practice these advanced and specialty techniques in many hands on lab experiences. Course requirements include a folder, projects, and laboratory experience, participating in a student demonstration, and hands on, team effort final exam.
Prerequisite: Chef's Corner

Fashion and Construction
.5 Credit

This beginning course will feature basic sewing and garment construction techniques such as layout and cutting of patterns and fabric, sewing of seams and darts, applying interfacing and hemming techniques. Technical abilities will be enhanced through the use of sewing machines and sergers. Students are required to complete a minimum of two construction projects during the semester. Students will gain technical and problem-solving skills through the reading of patterns and construction of garments. Students will also have opportunity to make quilts that will be donated, through the FCS department. The course will explore current fashion trends, fashion designers, wardrobe planning, clothing care, cutting edge technology, in addition to construction skills. Students will also explore career options in apparel design, textiles and retail. This course is recommended for anyone pursuing a career in fashion merchandising, design and retailing. Course requirements: 2 clothing projects and sewing construction samples.

Child Development & Pre-School Lab .5 Credit
Students will learn about the development of young children from prenatal development through the preschool years. Students will study the physical, emotional, intellectual and social development of young children. Students will also study developmental theorists and family and parenting topics. During the year students will teach children in the Early Learning Academy Preschool. The preschool serves children ages 3-5 from the community. High school students conduct lessons, stories, games, music, and art projects with the children. The skills learned in this class can be transferred to any career related to young children. Students who plan to pursue careers involving children such as education, child psychology, recreation, counseling, child care, or those who just enjoy working with and learning about them, should take this course.

ENGLISH LANGUAGE ARTS

The English Department curriculum for grades 9 through 12 integrates the PA Core standards through reading, writing, speaking and listening. Reflecting the individual differences and needs of students, the curriculum establishes as its primary purpose that each student will have maximum opportunity to:

- Build upon previous knowledge
- Develop higher level thinking skills
- Appreciate literature as an art form
- Use available technology as 21st century learners

English 9 1 credit	
College Prep	**Honors**
A major portion of the year's work will emphasize writing and literature. In literature, students will analyze literary elements in novels, plays, poems, and short stories. In addition to in class discussions, assignments, and assessments, there will be independent reading given throughout the course of the year. Writing assignments will include literary analysis, argument essay, compare/contrast essays, and a variety of creating writing responses. Students will also review the research process. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will also complete variety of activities to prepare for the Keystone Exams.	The intensive study of American and World literature will include classroom discussion and written literary analysis. In the literature program, students will analyze literary elements in novels, plays, poems, and stories at an advanced and challenging pace. Independent reading will be assigned during the course of the year. Critical thinking skills will also be applied to assigned novels and short stories studied in the classroom and those read independently. The mainstay of writing will be the literary analysis, as well as the informational and argumentative essay and a variety of creative writing responses. The research process will be reviewed through a research project. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will also complete variety of activities to prepare for the Keystone Exams.

English 10 1 credit	
College Prep	**Honors**
This course is a thematic survey of literature with an emphasis on writing. Along with preparing students for the Keystone exams, the literature program will continue to expose students to literary works from around the world. Students will analyze literary elements in a variety of novels, plays, essays, poems and short stories. Non-fiction works will also be studied throughout the year. Writing assignments will include literary analysis essays, Keystone-style responses, a research project, as well as a variety of creative writing pieces. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will take the Literature Keystone Examination in May.	This course continues the intensive study of American and World literature from freshman year. The course will move at an **advanced and challenging pace**. Students are expected to actively contribute to classroom discussion. Along with preparing students for the Keystone Exams, the literature program will continue to expose students to literary works from around the world. Students will analyze literary elements in a variety of novels, plays, essays, poems and short stories. Non-fiction works will also be studied throughout the year. Independent novels will be read during the course of the year. Writing assignments will include literary analysis essays, Keystone-style responses, a research project, as well as a variety of creative writing pieces. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will take the Literature Keystone Examination in May.

English 11 American Literature 1 credit			
Academic	**College Prep**	**Honors**	**AP English Language & Composition**
The literature program will expose students to literary works from American writers and contemporary non-fiction articles. Students will analyze literary elements in a variety of novels, plays, poems and short stories. Independent novels will be read during the year. Writing assignments will include the informational and argumentative essay, the research paper, as well as a variety of creative writing responses. Through reading and writing	The primary focus of the course is reading, interpreting and analyzing American Literature, literary periods, and themes. All literary forms will be read and studied. The literature program will move at an advanced and challenging pace exposing students to literary works from American writers. Independent reading of novels and plays will be assigned during the course of the year in which critical thinking skills will be assessed.	The primary focus of the course is reading, interpreting and analyzing American Literature, literary periods, and themes. All literary forms will be read and studied. The literature program will move at an **advanced and challenging pace** exposing students to literary works from American writers. Independent reading of novels and plays will be assigned during the course of the year in which	Students in this introductory college-level course will read and carefully analyze a range of nonfiction prose which includes essays, letters, speeches, and images. They will write essays that call for synthesis, analysis,and argument on specific topics. Students must bring to the course sufficient command of the mechanics of writing and the ability to read and discuss difficult prose. **Prerequisites:**

assignments students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program. **Prerequisite:** Completion of English 10	The mainstay of writing will be the literary analysis, as well as the informational and argumentative essay. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. **Prerequisite:** Completion of English 10	critical thinking skills will be assessed. The mainstay of writing will be the literary analysis, as well as the informational and argumentative essay. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. **Prerequisite:** Completion of English 10 and teacher recommendation	• 90% average in prior Honors English course • Submit a graded essay sample of writing • Recommendation from English Teacher *A summer reading assignment is required and students enrolling in this course need to pick up that assignment before the end of this year. The College Board gives the AP test in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation.

English 12 British Literature **1 credit**			
Academic	**College Prep**	**Honors**	**AP English Literature & Composition**
This course is a survey course of British literature with an emphasis on writing. The literature program will expose students to literary works from British writers and contemporary non-fiction articles. Students will analyze literary elements in a variety of novels, plays, poems and short stories. Writing assignments will include the informational and argumentative essay as well as a variety of	This course is a survey course of British literature with an emphasis on writing. The primary focus of the course is literature from the Anglo-Saxon Age to the 20th Century. The literature program will expose students to literary works from British writers and contemporary non-fiction articles. Students will analyze literary elements in a variety of novels, plays, poems and short stories.	This course is an accelerated survey course of British literature with an emphasis on writing. The primary focus of the course will be reading, interpreting and analyzing British literature, literary periods, and themes. This is not an Advanced Placement course, but the literature program will move at an advanced and challenging pace exposing students to	This course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure of their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language,

creative writing responses. Students will also do research on a career of choice. Through reading and writing assignments, students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program.	Writing assignments will include the informational, argumentative and critical analysis essays as well as the research paper, and a variety of creative writing assignments. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through various vocabulary study.	literary works by British writers and contemporary non-fiction articles.Students will analyze literary elements in a variety of novels, plays, poems and short stories. Writing assignments will include the informational and argumentative essay, the critical analysis research paper, as well as a variety of creative writing responses. Through reading and writing assignments students will practice correct usage of language. **Prerequisite**: Student must have achieved a Proficient or Advanced score on the Literature Keystone Exam..	imagery, symbolism, and tone. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation.

Intro to Theatre Arts **.5 Credit**	**Advanced Theatre Arts** **.5 Credit**
This course is designed to give students an overview of all aspects of theatrical productions, as well as develop an appreciation for the fine arts. Students will learn about the history of theater, how to write and analyze scripts and explore the fundamentals of acting through the use of Uta Hagan's Basic Acting Exercises. Students will work towards performing improv, monologues, duets, and a one-act play in a collaborative, non-threatening environment. You must be willing to perform in front of your peers in order to take this course.	The purpose of Advanced Theatre Arts is to provide students with the opportunity to continue to develop their creative and analytical skills through a hands on approach. Students will be able to select a "major" in Acting, Directing, or Playwriting. The collaboration of students' efforts will culminate in a public performance at the end of the semester. Through creating theatre, students will grow in their ability to comprehend the world and to communicate with others. **Prerequisite:** Completion of Intro to Theatre Arts

Visual Media I .5 Credit	Visual Media II .5 Credit
This is an introductory visual media course focusing on the history and science of television and film production. Students will study pre-production, production, and post-production storytelling through digital media utilizing iMovie software and digital film cameras. Students will work individually and in groups, incorporating video, still images, sound and voice over, text, transitions and effects. Projects include the creation of PSA's, commercials, interviews, music videos, and various other projects.	Visual Media 2 will go deeper into the history and science of television and film production. The course will travel through a multitude of genres as students analyze the elements of film to obtain a deeper understanding and appreciate for the craft. Students will work individually and in groups to create projects. **Prerequisite:** Visual Media I

College Entrance Exam Prep .25 Credit
The purpose of this course is to prepare students to take the critical reading and writing sections of the SAT and the ACT. It is intended to strengthen test-taking skills by focusing on familiarization with SAT and ACT type questions, developing test-taking strategies, and increasing confidence and speed. A review of test content includes reading comprehension, grammar, and essay writing. Prerequisite: None *This is a Pass/Fail course.

Journalism .5 credit
Students will learn how to successfully produce a daily morning news show (K-Scope) as well as a weekly news show (Inside Interboro). Students will explore print journalism as well and produce a monthly online newsletter (The Treasure Chest). Students will collect information, conduct interviews, write stories, as well as edit and produce segments. This course will require filming and covering various afterschool activities. Prerequisite: Students must have successfully completed Visual Media I in order to take this course.

Short Stories .5 credit
This semester course will use short fiction readings to expose students to a variety of writers and their writing styles. Students will explore the choices writers make and how these writers create their characters, stories, and tales. Students will develop an appreciation for the craft of storytelling as they meet interesting characters during the in-class readings of short-stories and poems. Students will also develop their ability to summarize, analyze, evaluate, and critique literature.

Genocide & the Holocaust **.5 credit**
The purpose of this course is to study genocide and the Holocaust in detail. This course will concentrate on the steps leading to the Holocaust, events of the Holocaust itself, and the aftermath through literature, film and historical analysis. The course will also touch on major atrocities in the late 20th century. Students must be in 10th through 12th grade to participate in the course due to the need for background knowledge gained in 9th grade English.

Creative Writing I **.5 credit**	**Creative Writing II** **.5 credit**
This course is designed for students who are interested in writing; students will have to write on a daily basis. The class will consist of learning and executing various writing styles to help strengthen their use of the English language. The class focus will be to appreciate the art of writing.	This course will allow students to deepen their understanding of course concepts presented in Creative Writing I. Students will practice writing on a daily basis, and strengthen their ability to create works of fiction, poetry, and memoir. An additional element of the course will be the inclusion of a publishing component, in which students will create and share digital versions of their work for critique. The course will be writing intensive, and will require an openness to sharing final products. **Prerequisite:** Students must have completed Creative Writing I in order to take this course.

Film & Literature **.5 Credit**
Are you a film lover? Do you enjoy thinking and discussing movies? Have you ever wanted to learn how to analyze film? This might be the course for you! The class will connect themes in literature to note-worthy cinema in an engaging way. Here is what you can expect from this class: -You will analyze film through discussion and writing. -You will become a more knowledgeable and appreciative reader as well as a perceptive viewer of film. -You will see connections between film and literature and be encouraged to see the connections in your own life as well.

WORLD LANGUAGE

Any student contemplating the study of a world language should aim to attain proficiency in reading, writing, speaking and listening. The basic course requirements for all World Language courses include: studies in vocabulary and grammar, prepared and informal oral presentation, comprehension exercises, dictation, recitations, compositions, and reading. In language courses at all levels instruction also includes cultural exploration of the countries and the people connected with the language being studied.

Spanish I **1 credit**	**Spanish II** **1 credit**	**Spanish III** **1 credit**	**Spanish IV** **1 credit**
This course offers a basic introduction to the language. A foundation of vocabulary and grammar structures are presented through conversational exchanges, reading selections and written exercises.Students will begin to form an appreciation for the similarities and differences between the cultures being studied and their own.	This course is a review and continuation of Spanish I. Students will have the opportunity to strengthen their conversational skills and broaden their understanding of grammatical structures and cultural content. Writing skills will be further developed and continued study of vocabulary is emphasized. **Prerequisite**: completion of Spanish I	This course focuses on further developing proficiency in reading, writing, speaking and listening. Students will work with more complex grammatical structures and continue to acquire fluency with vocabulary. Exploration of fiction and non-fiction reading are included, as well as gaining a deeper understanding of cultural norms. **Prerequisite:** completion of Spanish II	This course enables the student to apply and develop more fully the linguistic skills previously attained. Films and recordings provide a variety of speakers for oral comprehension. Literature selections are read and discussed in the content language. The study of history and literature is emphasized for cultural exploration and comparison. **Prerequisite**: completion of Spanish III

	Advanced Spanish II **1 credit**	**Advanced Spanish III** **1 credit**	**Advanced Spanish IV** **1 credit**
	This course provides an opportunity for students to expand content knowledge and enhance proficiency in all linguistic skill areas. Students will strengthen their conversational skills and broaden their understanding of grammatical structures and cultural content.	This course focuses on further developing proficiency in reading, writing, speaking and listening at a more advanced level. Students will work with more complex grammatical structures and continue to acquire fluency with vocabulary. A concentration on	This course gives students the opportunity to apply and develop the linguistic skills previously attained. Films and recordings provide a variety of speakers for oral comprehension. The study of history and literature is emphasized for cultural exploration

	Writing skills will be further developed and continued study of vocabulary is emphasized. **Prerequisite**: Successful completion of Spanish I and teacher recommendation	writing composition and exploration of literature are included, as well as gaining a deeper understanding of cultural norms. **Prerequisite**: Successful completion of Adv Spanish II and teacher recommendation	and AP caliber assignments will be part of regular course work. **Prerequisite**: Successful completion of Adv Spanish III and teacher recommendation**.**

French I **1 credit**	**French II** **1 credit**	**French III** **1 credit**	**French IV** **1 credit**
This course offers a basic introduction to the language. A foundation of vocabulary and grammar structures are presented through conversational exchanges, reading selections and written exercises. Students will begin to form an appreciation for the similarities and differences between the cultures being studied and their own.	This course focuses on speaking and understanding the language. In this course the emphasis is placed on development of the student's vocabulary and reading skills, writing of controlled compositions, and extension of the student's control and understanding of grammar through more formal analysis of already familiar grammar patterns. Cultural awareness continues to be fostered throughout the course. **Prerequisite:** Completion of French I and teacher recommendation	This course focuses on further developing proficiency in reading, writing, speaking and listening at a more advanced level. Students will work with more complex grammatical structures and continue to acquire fluency with vocabulary. A concentration on writing composition and exploration of literature are included, as well as gaining a deeper understanding of cultural norms. **Prerequisite:** Completion of French II and teacher recommendation	This course enables students to apply and develop the linguistic skills previously attained. Films and recordings provide a variety of speakers for oral comprehension. The study of history and literature is emphasized for cultural exploration and comparison. Vocabulary and grammatical study is advanced as students participate in performance based assessments. **Prerequisite**: Completion of French III and a teacher recommendation

MATHEMATICS

The mathematics curriculum has been developed to accommodate the various levels of a student's mathematical abilities and skills. Our goal is to develop critical thinking skills through mathematical conceptual understanding that will better prepare students for a society in which the use of technology is not only emphasized, but is now is required.

Pre-Algebra
.5 credit

College Prep

In this semester course, students will learn the basis for writing and solving algebraic expressions and equations and how to apply them to real-life situations. Students will also explore functions and graphs, rate of change, and patterns. The goal of this course is to prepare students for success in an Algebra 1 course.

Bridge to Algebra
.5 Credit

College Prep

This semester course is designed to be a supplement to Pre-Algebra and is based on the Common Core standards. In addition to traditional methods, the course will utilize Carnegie Learning's *Mathia* curriculum and will cover topics such as arithmetic, probability and statistics, equations, functions and graphs. The goal of this course is to identify and remediate specific areas of student weakness to better prepare students for success in Algebra 1. **This is a fall semester course that will be taken concurrently with CP Pre-Algebra.**

Algebra I
1 Credit

College Prep	**Honors**
This course offers a solid foundation in algebra. Students will learn how to express real life problems as algebraic expressions; write and solve equations and inequalities, solve systems of equations and explore linear and quadratic functions. Students taking this course will be held to the College Preparatory standard. Students will be concurrently enrolled in Algebra I Extension during the spring semester. Students will take the Keystone Examination in May. ***P*rerequisite:** PVAAS prediction for proficiency on the Algebra I Keystone Examination, completion of Pre-Algebra.	This course is designed to provide students with an in-depth study of Algebra 1 at an accelerated pace. Students will learn how to express real life problems as algebraic expressions; write and solve equations and inequalities, solve systems of equations and explore linear and quadratic functions. Students are expected to Students will take the Keystone Examination in May. **Prerequisite:** PVAAS prediction for proficiency on the Algebra I Keystone Examination, completion of Pre-Algebra.

Algebra I Extension .5 credit
College Prep
This course is designed to be a supplement to CP Algebra 1 and the content of this course is based on the Common Core Standards. Students will utilize the Carnegie Learning's *Mathia* Algebra 1 curriculum. This course will cover topics necessary to build a strong mathematical foundation for algebraic concepts to prepare students for proficiency on the Keystone Examination. Using *Mathia* software, students will have the opportunity to work with an artificial intelligence model that will identify their areas of weakness in the mastery of mathematical concepts, and help them overcome these difficulties. **This is a Spring semester course that will be taken concurrently with CP Algebra 1.**

Geometry A .5 credit	Geometry B .5 credit	Geometry 1 credit	
College Prep	**College Prep**	**College Prep**	**Honors**
CP Geometry A is a semester course that is taken after students have completed Pre-Algebra. This course will explore geometry concepts with explorations and activities. Topics will include the foundations of geometry, geometric reasoning, parallel and perpendicular lines, similar polygons, and congruent triangles.	CP Geometry B is a semester course that is taken after students have completed CP Geometry A. Topics will include right triangles and trigonometry, quadrilaterals, properties of transformations, properties of circles, measuring length and area, along with surface area and volume of solids. **Prerequisite:** Completion of CP Geometry A and CP Pre-Algebra	In this full year course will explore basic geometric concepts, explorations and activities that build on their previous math courses, including Algebra 1. Concepts such as distance, reasoning and proof, ratios, congruence and similarity, transformations, trigonometry, area, perimeter, surface area and volume will be explored. Students will make connections to algebra, and to the real world through applications. They will explore these concepts and topics in various ways, including the use of current technology. **Prerequisite:** Completion of CP Algebra 1.	In this full year course, students will develop reasoning and problem solving skills as they study topics such as congruence and similarity of triangles, and apply properties of lines, triangles, quadrilaterals, and circles. They will also develop problem solving skills by using length, perimeter, area, circumference, surface area, and volume to solve real-world problems. This is an honors course; standardized testing skills and advanced explorations will also be presented. **Prerequisite**: Completion of Honors Algebra 1 or teacher recommendation.

Keystone Algebra .5 credit
This course builds upon the concepts explored in Algebra 1 with the goal of supporting students who have been unsuccessful on the Algebra I Keystone Exam. This course will cover Operations with Real numbers and Expressions, Linear Equations and Inequalities and Systems of Equations and Inequalities, Functions, Graphing and writing linear equations, and Data Analysis. An emphasis will be placed on organization and problem solving using a variety of methods.

Algebra 2 1 credit		
Academic	**College Prep**	**Honors**
This course builds upon the concepts explored in Algebra 1 and Geometry, and will focus more on the applications of those skills. The course is organized around the families of functions that include linear and quadratic relationships. The students will learn how to solve and graph both linear and quadratic equations. As the students study these functions, they will learn to represent them as equations, tables, and graphs. They will also study coordinate geometry and model real world problems using functions. In addition to the algebra content, this course features lessons that incorporate data analysis, geometry, and trigonometry. **Prerequisite:** Completion of Geometry	This course builds upon the concepts explored in Algebra 1 and Geometry. The course is based on the families of functions, including linear, quadratic, radical, and rational functions. As the students study these functions, they will learn to represent functions as equations, tables, and graphs. They will also study coordinate geometry and model real world problems using functions. In addition to the algebra content, this course features lessons that incorporate data analysis and geometry. **Prerequisite**: Completion of CP Geometry or teacher recommendation	This course builds upon the concepts explored in Algebra 1 and Geometry. The course is based on the families of functions, including linear, quadratic, radical, and rational functions. As the students study these functions, they will learn to represent them as equations, tables, and graphs. They will also study coordinate geometry and model real world problems using functions. In addition to the algebra content, this course features lessons that incorporate data analysis, geometry, and trigonometry. **Prerequisite**: Completion of Honors Geometry or teacher recommendation. Achievement of Proficient or Advanced score on the Algebra 1 Keystone Examination

Trigonometry
.5 credit

College Prep

The course will cover the properties and real-world applications of trigonometric functions using a traditional approach. The course will emphasize solving triangles by finding area, missing sides and angles, the development of graphs using trigonometric functions, and commonly used trigonometric identities.

Geometric and algebraic concepts will also be reviewed, such as area, volume, and solving equations to better prepare them for real-world mathematical applications.

Prerequisite: Completion of Algebra 2 or teacher recommendation.

Pre-Calculus
1 credit

College Prep	Honors
This course is primarily for students desiring a full academic preparation of advanced algebra and trigonometry before taking calculus. It includes a thorough study of advanced algebra, trigonometry, further an introduction to basic calculus prerequisite concepts. This will give the student a background for continuing the study of mathematics in college and/or for meeting college entrance requirements. **Prerequisite:** Completion of CP Algebra 2 and teacher recommendation	This course is primarily for students desiring a full academic preparation of advanced algebra and trigonometry before taking calculus. It includes a thorough study of advanced algebra, trigonometry, further an introduction to basic calculus prerequisite concepts. This will give the student a background for continuing the study of mathematics in college and/or for meeting college entrance requirements. **Prerequisite:** Completion of Honors Algebra 2 and teacher recommendation. Achievement of Proficient or Advanced score on the Algebra 1 Keystone Examination.

Statistics	
College Prep .5 credit	**AP 1 credit**
This semester course is designed to provide opportunities for students to learn about statistics and elementary probability theory. Students will explore how to collect, organize, analyze, and interpret numerical data. Real world problems and applications will be presented to help students use statistics and probability in the decision making process. **Prerequisite:** Completion of Algebra 2 or teacher recommendation.	An Advanced Placement (AP) course in mathematics that consists of a full academic year of work in statistics and related topics comparable to courses offered at colleges and universities. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation. The course is intended for students who have a thorough understanding of college preparatory mathematics: including Algebra, Geometry, and Algebra 2. Topics include summarizing and investigating data, descriptive statistics, and probability distributions, sampling methods and distributions, hypothesis testing, regression and correlation analysis. Critical thinking is emphasized in this course and is extremely important for student success. AP Statistics requires excellent study habits and a commitment of significant time outside of class. Students should purchase a TI-84 Plus Graphing Calculator. Extensive summer preparation is required. **Prerequisite:** Completion of Honors Algebra 2, Honors Pre-Calculus or Calculus 1, and teacher recommendation

Calculus 1 credit	AP Calculus AB 1 credit
Honors	**AP**
This course will review advanced algebra and trigonometric topics. It will include the study of the definitions and theorems of limits and continuity. Methods of differentiation and integration of polynomial, logarithmic and exponential functions, along with various applications of the derivative and integral will be covered. This course prepares the student to experience success in a college calculus setting. **Prerequisite**: Completion of Honors Pre-Calculus or Advanced Mathematics and teacher recommendation. Achievement of Proficient or Advanced score on the Algebra I Keystone Examination.	An advanced placement course in mathematics consists of a full academic year of work in calculus and related topics comparable to courses offered at colleges and universities. The course is intended for students who have a thorough understanding of mathematics: including algebra, geometry and trigonometry. AP Calculus is a course in introductory calculus with functions. A list of topics includes: properties of functions, limits, derivatives, anti-derivatives, and applications, techniques of integral calculus and applications of the definite integral. **Prerequisite**: Completion of Honors Pre-Calculus and teacher recommendation. Note: Extensive summer preparation work and a graphing calculator (preferably TI 84) are required.

Consumer Math 1 Credit
This course teaches key math concepts essential for successful adult living. From buying groceries to budgeting for housing, education, and travel, to filling out job applications and interviewing for the job. Students gain practical math competence through real-world examples in the areas of money management, banking, credit-card math, career choices, consumerism, jobs, coupons and everyday living. Basic skills lessons review and practice mathematical concepts essential to everyday life.

College Entrance Exam Prep .25 Credit
This is an intensive and challenging course designed to prepare students for the Mathematics section of the SAT and ACT. It will offer strategies and tactics for taking the test along with review of specific math topics. College and career exploration will also be emphasized. ***(Students enrolling in this course must also register for College Entrance Exam Prep English)*** **Prerequisite:** 11th graders who have completed a full year of Geometry or teacher recommendation.

Math Course Sequence				
	Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
College Prep (Remediated)	•CP Pre-Algebra (0.5 cr - fall) •CP Geometry A (0.5 cr - spring) •Bridge to Algebra (0.5 elective cr - fall)	•CP Algebra 1 •CP Geometry B (0.5 cr - fall or spring	• CP Algebra 2 *Electives* *+ AP Computer Science Principles* *+ College Entrance Exam Prep*	•CP Trigonometry (0.5cr - fall) •CP Statistics (0.5cr - spring) *Electives* *+ AP Computer Science Principles*
College Prep	•CP Algebra 1 •Algebra 1 Extension (0.5 elective cr - spring))	•CP Geometry *Electives* *+ AP Computer Science Principles* *•CP Geometry* *Electives* *+ AP Computer Science Principles*	•CP Algebra 2 *Electives* *+ AP Computer Science Principles* *+ College Entrance Exam Prep*	•CP Pre-Calculus *Add-Ons* *+AP Statistics* *Alternatives* *+ Honors Pre-Calculus* *+CP Trigonometry (0.5 cr - fall)* *+CP Statistics (0.5 cr - spring)* *Electives* *+ AP Computer Science Principles*
Honors/AP	•Honors Geometry	•Honors Algebra 2 *Electives* *+ AP Computer Science Principles*	•Honors Pre-Calculus *Add-Ons* *+AP Statistics* *Electives* *+ AP Computer Science Principles* *+ College Entrance Exam Prep*	•AP Calculus 1 *Add-Ons* *+AP Statistics* *Alternatives* *+ Honors Calculus* *+AP Statistics* *Electives* *+ AP Computer Science Principles*

MUSIC

The Interboro School District Music Department strives to nurture and develop intrinsic musical curiosity and creativity while fostering independent musicians and lifelong advocates of the arts within local and global communities.

Music Theory I **.5 credit**	**Music Theory II** **.5 credit**
Music Theory is the science behind the art of music. This course explains why music is the way it is. The course also treats students like aspiring composers. The course, through daily projects, classwork and homework, will cover: notation and analysis of pitch, harmony, meter, form, and rhythm, ear training, and key signatures. Although, it is recommended that students know how to read music and play an instrument or sing before they begin the course, it is not necessary.	The course is an extension of the Music Theory I curriculum, continuing ear training and adding intervals, chords, and functional harmony. Composition and music analysis becomes the focus of this class. Music Theory II is a flagship Music course for those seriously interested in music or contemplating a career in music.

Beginning Guitar **.5 credit**	**Guitar II** **.5 credit**
Students will learn open position chords,various strumming patterns, power chords, 12 bar blues, basic fingerpicking and many songs. Grades are performance based.	Students will reinforce concepts learned during level one. Students will learn E and A shape barre chords and more complex songs. Students will will improvise using pentatonic and major scale shapes. Prerequisite: Successful completion of Beginning Guitar

Combination Band/Chorus **1 credit**
This course is for the student who wants to participate in both band and choir. Students will follow curriculum from the full credit band and full credit choir courses, during the same class period. Students will rotate on a day by day basis from band to choir and will be required to participate in both the winter concert, spring concert, and IHS graduation.

Digital Audio **.5 credit**
Students will compose, record, edit, mix, and produce real audio and MIDI data music using a DAW, such as Garageband. Students will learn editing and production techniques as well as how to publish their finished work. Students will create multimedia using Garageband, iPhoto, iTunes, and other software.

Band **1 credit**
Students will develop instrumental technique through performance. Students will improvise, compose, and read standard band music. Students are to supply their own instrument unless arrangements have been made with the instructor. All students will be expected to perform in the winter concert, spring concert, and IHS graduation.

Jazz Improvisation **.5 credit**
Students will continue to develop instrumental technique through performance. Students will improvise, compose, and read standard band music. This course is for advanced instrumental students to develop their skills improvising and performing in the jazz idiom. Students must be able to read music and be able to play the chromatic scale the full range of their instrument. Percussionists must also play mallet instruments. Performance in the winter and spring concerts is required as is performance at graduation.

Choir **1 credit**
This course if offered to any student who is interested in singing. The goal of this course is to develop vocal technique and choral ensemble skills necessary to perform songs. Students are required to sing in two major concerts per year (Winter Concert, Spring Concert), a few after school rehearsals per semester, and community performances. Course outcomes and expectations include applying vocal techniques and music theory to choral literature, singing in other languages, developing a commitment to excellence in choral performance and concert presence, and developing leadership and teamwork skills. Students of all singing abilities are welcome to join this class. This course may be taken all four years of high school.

Beginning Piano **.5 credit**	**Piano II** **.5 credit**
This course is designed for students who wish to develop basic piano playing skills. No prior piano knowledge is necessary. Time in class will be spent becoming familiar with music notation, piano chords, piano technique, and piano performance practices. Piano keyboards are provided for students in the music lab.	This semester based course is for intermediate piano students who are comfortable performing, and reading music notation and piano chords. Piano II is an extension of the Piano I curriculum, focusing on more challenging repertoire piano technique. Piano keyboards are provided for students in the music lab.

PHYSICAL EDUCATION & HEALTH EDUCATION

The mission of the Health and Physical education department is to create a safe environment that fosters the preparation of the student for life-long cognitive and kinesthetic activity. The acquisition of techniques for self-discipline, consistency, and goal setting guide the development of intellectual, physical, and social capacities. The knowledge gained will provide the student with a richness of strength and character, preparing them to safely meet the physical and emotional demands of daily life.

Health I **.25 credit**	**Health II** **.25 credit**
This course is a state required, conceptual course for freshman designed to assist students in developing the knowledge, attitudes and skills necessary for productive, self-directed behavior. The lessons in the curriculum are keyed to reducing risk factors and steps of refusal skills, which will enable students to develop responsible behavior, positive self-esteem, and respect for others. The course also will explore the plight of mental illness and substance abuse among teens, and identify prevention/intervention strategies to combat these issues as a teen.	This is a state required, conceptual course for sophomores. It is designed to give students exposure to topics concerning everyday life and touches upon the serious problems prevalent in modern society. 10th grade health is specifically designed for human sexuality and all the areas discussed which include: Basic Human Sexuality, Anatomy of the female and male reproductive organs, responsible relationships, sexual abuse, pregnancy and development before birth, contraception, sexually transmitted infections and HIV/AIDS.

Phys Ed I **.25 credit**	**Phys Ed II** **.25 credit**
Physical Education is required of students in 9th and 10th grades every other day for one semester for .25 credits for each course (0.5 credits total). In 11th grade, physical education is required every day for one semester (0.5 credits). The Graduation Requirement for physical education is 1.00 credit. Each semester is divided into four (4) activity periods. The activities vary for each class and are coordinated based on the number of classes scheduled into the gymnasium each period. When students cannot participate in the prescribed activity, alternative or adaptive programs may be provided to the student. Such activities might include written assignments, out-patient prescribed physical therapy, school-based projects, walking, weight training, or aerobics.	Physical Education is required of students in 9th and 10th grades every other day for one semester for .25 credits for each course (0.5 credits total). In 11th grade, physical education is required every day for one semester (0.5 credits). The Graduation Requirement for physical education is 1.00 credit. Each semester is divided into four (4) activity periods. The activities vary for each class and are coordinated based on the number of classes scheduled into the gymnasium each period. When students cannot participate in the prescribed activity, alternative or adaptive programs may be provided to the student. Such activities might include written assignments, bulletin board construction, out-patient prescribed physical therapy, school-based projects, walking, weight training, or aerobics.

Recreational/Lifelong Leisure
.5 credit

This course is designed to give students the opportunity to achieve lifetime health and fitness through a combination of recreational activities, lifelong/lifetime sports, and fitness/wellness concepts. This course introduces students to those physical activities that can provide lifelong participation such as softball, golf/putt, recreational activities, volleyball, lawn games, power walking routines and more.

Personal Fitness/Weight Room
.5 credit

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn fundamentals of strength training, aerobic training, and overall fitness conditioning.

Competitive Traditional Team Sport
.5 credit

This course is designed to engage students in rigorous athletic team activities and competitions. Students must be familiar with rules and strategies of games and will grow and master skills and techniques needed for activities. Students will learn and compete on a daily basis. Activities will include but are not limited to basketball, eclipse ball, floor hockey, soccer, tchoukball and invasion sports.

Physical Education Major
.5 credit

This program is designed for students who have an interest in education, physical education, athletic training, physical therapy, coaching, or any other leadership or kinesiology fields. The second part to the program will have the students designated to an assigned teacher and will act as an assistant in those classes. Gym majors will be required to assist teachers in administering physical fitness and skill tests to students in the regular classes. Logistical concepts will be presented including care of gymnasium facilities and equipment. Students will assist in developing hand-outs, tests, and other pertinent materials necessary for conducting an organized physical education program. Students will also apply and teach a designated activity to their assigned physical education class. The P. E. Major course will fulfill the regular P. E. requirements which must be satisfied by seniors.

The methods, techniques, and emphasis of implementation of the criteria will be devised by the individual teacher. Junior students may apply to the Gym Major Program in the second semester. Students must meet the criteria established by the Physical Education department to be considered for the course.

Contracted Physical Education
.5 credit

This course provides an alternative option for those students whose schedule will not allow them to take physical education during the school day. The class will run after school from 3:00-4:00pm, two days per week, for one semester. The class will be led by a certified physical education teacher here in the district. Student admission into Contracted Physical Education will be based on the following criteria: schedule is completely filled junior year with content core classes; student cannot have failed physical education in 9th or 10th grade (those students must remediate by taking the course in summer school). Students will go through a 15 semester hour program designed by a physical education teacher and they must be there for all 15 sessions to get full credit. Playing a sport/going to a fitness center DOES NOT meet the requirements for the class. This course only provides an alternative option for a student to receive physical education credit and is not designed to take the place of the physical education program here at the high school.

SCIENCE

All students graduating from Interboro High School must have successfully completed three years of science. Those planning to pursue a post-secondary education should take at least four science courses, including courses from the five major disciplines of science - Biology, Chemistry, Earth/Space, Environmental/Ecology and Physics. There are courses available in all of these fields. In addition, there are Advanced Placement courses offered which are college level and give the student the opportunity to earn college credit while still in High School. A student enrolling in these courses must be prepared to do college-level work.

Integrated Science
1 credit
College Prep

This integrated course is designed to incorporate environmental, biology, and physical science topics. The earth's energy resources, both renewable and non-renewable, will be explored along with societal and sustainability issues. Basic chemistry topics will include the periodic table, bonding and chemical equations. The second semester of this course will include topics to prepare the student for Biology 10 and preparation of the Biology Keystone Exam

Forensic Science .5 credit
Forensic Science is focused upon the application of scientific methods and techniques to solve problems based on real crime scenes and criminal law. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be presented with emphasis placed on the techniques used in evaluating physical evidence to solve problems. This course is "hands on" and involves labs and projects.

Aquatic Biology .5 credit
Aquatic Biology is a half year course discussing both the marine (ocean) and freshwater ecosystems. The course will cover: components of an aquatic ecosystem, relationships among aquatic habitats and ecosystems, roles of cycles within an aquatic environment, adaptations of organisms and how humans impact those aquatic environments. There will be a special emphasis on our local freshwater environment, John Heinz Refuge. This course will be "hands on" and develop the skills essential for studying science.

Biology 1 credit		
College Prep	**Honors**	**AP**
This course builds upon the topics covered in Integrated Science. It covers the topics of basic chemistry, cellular processes, genetics, biotechnology, and evolution in preparation of the Keystone Exam in May. Included in this course are laboratory investigations, inquiry activities, projects and quizzes/tests. Students will take the Keystone Examination in May.	This course is a survey of biological sciences for the college bound student. The focus is on inquiry learning and the following topics are covered: basic chemistry, cells, cellular growth and reproduction, bioenergetics, homeostasis, genetics, biotechnology, evolution and ecological relationships. Included in this course are laboratory investigations, lab reports, projects, quizzes/tests, and inquiry activities. Students will take the Keystone Examination in May. **Prerequisite:** Students enrolled in Honors Biology must have completed Algebra I or higher and teacher recommendation.	In the Advanced Placement Biology class the student will explore theories, concepts and issues related to the field. Students will master critical thinking skills and demonstrate an ability to write, speak, and interpret material on a college level. A large focus of the course involves laboratory work and designing inquiry-based labs. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation **Prerequisite:** 90% in Biology and Chemistry, a Proficient or Advanced score on the Algebra

		I and Biology Keystone Examinations, teacher recommendation *A summer reading assignment is required and students enrolling in this course need to pick up that assignment before the end of this year.

Chemistry **1 credit**	
College Prep	**Honors**
This math-based course will cover the periodic table, forms of matter, nuclear chemistry, naming of compounds, geometry, equations, the mole concept, stoichiometry, gas laws, liquids and solutions, acids and bases, thermodynamics, and electrochemistry. Included are tests, daily homework, labs and lab write-ups. **Prerequisites:** Passing the Biology and Algebra Keystones Exams.	This math-based course will cover all the topics of CP with more of an emphasis on mathematical computations as well as additional topics. These include the periodic table, forms of matter, nuclear chemistry, naming of compounds, geometry, equations, the mole concept, stoichiometry, gas laws, liquids and solutions, strong acids and bases, weak acid buffers, thermodynamics, electrochemistry, predicting products, and an introduction to organic chemistry. Included are tests, daily homework, labs and lab write-ups. **Prerequisite:** Passing the Biology and Algebra Keystones Exams. Also, it is recommended that a B or higher be earned at the Honors level in Biology, Algebra 1 and Geometry

Allied Health **1 Credit**	**Allied Health II** **1 Credit**
This science is an introduction to healthcare and encompasses the essence of biology, anatomy, and the health care industry. It prepares them for training that should lead to employment as an EMT, Medical Assistant, Technologist, Nursing Assistant, Therapist, RNs, and Medical School. Students will explore medical terminology, age specific care, health care practices, anatomy, the chain of infection, vital signs, infection control, First Aid, and CPR. Students will be introduced to a variety of healthcare careers and hear from guest speakers. Students will research the disease or injury of their choice and explore age specific care. **Prerequisites:** Entrance into Allied Health prior to 11th grade is subject to the approval of its instructor.	This course is a continuation of Allied Health I and also focuses on anatomy and medical terminology. During the year students must complete at least 30 hours of field experience at local health care facilities. Arrangements are to be made by the student between the end of the first year and the beginning of the second year of the Allied Health II program, with the assistance of both Interboro's Guidance Department and the Instructor. They will continue to work closely with both Guidance and the Instructor in completing their plans for further education and career choices. **Prerequisites**: Completion of Allied Health I with Instructor approval of overall performance.

Physical Science 1 credit	Physical Science 1 credit
Academic	**College Prep**
This is a physical science course that is designed to allow students to explore the basic concepts of physical science. Students will be introduced to the history and nature of science, and integrates the basic concepts of chemistry, organic chemistry, and physics. The curriculum is connected to personal and societal issues, whereby basic chemical concepts are applied in real world situations. **Prerequisite:** Completion of Biology	This course is designed to survey topics in chemistry and physics without the emphasis on math that is found at the CP Chemistry and CP Physics level. This is a physical science course that integrates the basic concepts of chemistry, organic chemistry, and physics. The curriculum is connected to personal and societal issues, whereby basic chemical concepts are applied in real world situations. In addition, physics concepts are explored in practical circumstances. **Prerequisite:** Completion of Biology

Earth / Space Science 1 credit	Earth / Space Science 1 credit
Academic	**College Prep**
This course is designed to provide the basic knowledge and concepts needed to understand the Earth/Space Sciences (Geology, Astronomy, Meteorology, and Oceanography). The heavens will be studied using the Interboro planetarium. Weather and climate will be studied. Other topics will explain the dynamics of the physical earth.	This course is designed to provide the college bound student a comprehensive background in the Earth/Space Sciences (Geology, Astronomy, and Meteorology will be covered). The night sky will be studied monthly using the Interboro planetarium. Topics will explain the dynamics of the physical earth and weather phenomena. The solar system and the universe will also be covered.

Physics 1 credit		
College Prep	**Honors**	**AP**
In Physics we take natural phenomenon and model it mathematically. In this way we can better understand the real world. Topics that will be introduced include motion, forces, energy, and gravitation. These topics are studied via laboratory investigations and post lab discussions, then applied through problem solving and application labs.	In Physics, we take natural phenomenon and model it mathematically. In this way we can better understand the real world. Topics that will be introduced include motion, forces, energy, and gravitation. This course will be taught as a "pre-AP Physics" course and is lab intensive. Students will complete formal problem sets that showcase their problem solving ability.	Preparation for the Calculus based Advanced Placement Physics test in the area of Classical Mechanics will be the primary goal of this course. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation.

Prerequisites: If taking during 11th grade year student must have achieved **Proficient or Advanced score on the Algebra 1 and Biology Keystone Exams, c**ompletion of CP Geometry and CP Algebra 2	**Prerequisites:** Achievement of Proficient or Advanced score on the Algebra 1 and Biology Keystone Examinations. Completion of Honors Geometry and Honors Algebra 2 with a B or better.	This course stresses problem solving using advanced mathematical techniques and analytical thinking. Topics from Honors Physics will be explored in depth. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation. **Prerequisites: Achievement of Proficient or Advanced score on the Algebra 1 and Biology Keystone Examinations**, Students must have completed Pre-Calculus. Students must also have completed Honors Physics, with an 80% or higher, or CP Physics, with a 90% or higher and be currently enrolled in Calculus. Teacher permission and completion of a summer assignment are required (see Physics teacher).

Advanced Biology: Human Anatomy & Environmental Science
1 credit

College Prep

This course includes a semester of Environmental Science and a semester of Anatomy and Physiology. During the Anatomy semester, topics will include: Anatomy, Physiology and Genetic Principles including Genetic Engineering. During the Environmental semester topics will include: Ecology, current environmental problems, conservation, sustainability, and biotechnology as it relates to the environment. In conjunction with the members of the Environmental Club, students will have the opportunity to instruct and guide the Kindergarteners in a variety of activities, which include field trips to the John Heinz National Wildlife refuge. In addition, these students will assist the Environmental Club with the maintenance of the two schoolyard habitats on campus. Student must be able to work independently and to utilize experimental research techniques.

Prerequisite: Completion of Biology, score of Proficient on Biology Keystone Exam, and teacher recommendation.

AP Environmental Science 1 credit
AP
AP Environmental Science will provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world to identify and analyze environmental problems both natural and manmade to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and preventing them. The College Board gives the AP test for college credit in the spring and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP test based on their choice of university and/or intended major after graduation. **Prerequisites:** Completion of Integrated Science, Biology, and Algebra I. Chemistry should be taken prior to enrollment or may be taken concurrently.

Keystone Biology .5 credit
This course is designed to be a student-centered and focused review of key concepts learned in Biology. Students who did not pass the Biology Keystone are enrolled to build and strengthen their content knowledge of basic chemistry, cellular processes, genetics, biotechnology, and evolution. Using past Keystone student data, lessons are constructed to focus on areas of need for each student to help facilitate a more successful completion of the exam in the next administration of the Biology Keystone.

SOCIAL STUDIES

The Social Studies Department seeks to lead our students to a confirmed understanding of the rights and responsibilities of the informed American citizen. We strive to help our students build the requisite foundations for active, consistent citizenship by arming them with a 21st Century skill set that fosters preparedness and achievement in this historic era of globalization. Synthesizing both the creativity derived from fierce individuality and the conformity needed for social success, we enable balanced citizens...capable of realizing their full potential.

Multi Cultures 1 credit	
College Prep	**Honors**
College Prep Multi-Cultures will trace the development of civilization from evolution through the end of the World Wars. A chronological and thematic approach will guide students through individual units that include, but are not limited to: river valley civilizations and ancient empires, world religions, the Middle Ages, European expansion, imperialism, and the World Wars. To be successful in this course, students must complete reading assignments from the text, as well as from primary	This course provides an intensive study of the development of civilizations throughout the world. Because we live within a "smaller," more well-connected global economy it is important to recognize the contributions of not just Western civilizations, but also the often-ignored contributions of African and Asian civilizations. Students are responsible for completing teacher-designed assessments, quizzes, tests, and a midterm and final. On top of this, a heavy emphasis on primary source analysis, research, and writing will make up a large portion of class time.

and secondary sources. Students must perform well on quizzes and tests, including a midterm and a final examination. Project-based assessments will also be a large part of the college-prep curriculum	**Prerequisites**: Recommendation from an 8th grade teacher and Achievement of "Proficient" or "Advanced" status on their 8th grade ELA PSSA

U.S. History I **1 credit**	
College Prep	**Honors**
Building the New Nation United States History I begins to build not only critical content knowledge of our country's history, but also begins to develop a students ability to think like an historian and 21st century citizen. The course will cover all major topics from 1788-1900 and provide a significant focus on the changing American identity, politics, the economy, American culture and society, geography and the environment, and American foreign policy. Historical thinking skills to be taught and developed include sourcing, interpretation, comparison, causation, argumentation, close reading, contextualization, corroboration, intended audience, writer's purpose, and point of view. Each student will be asked to keep a notebook, take periodic examinations, read historical documents, construct essays, and complete projects. Students are also responsible for a midterm and final exam. Specific Content Topics to expect in both the College-Prep and Honors version of the course include but are not limited to: Rise of the Federal Government, Jefferson/Era of Good Feelings, Mass Democracy and Reform, Slavery and Expansion, Civil War and Reconstruction, The American West and Jim Crow, The Gilded Age, and the Progressive Era.	**Building the New Nation** Honors United States History I is designed to prepare students to take an Advanced Placement® course during their junior year. Instructors will teach the same content as the College Prep version of this class with a heavier emphasis on independent reading, document-based analysis and assessments, as well as discussion of important historical topics. The pacing and the difficulty of the class will also be closer to what a student would expect in an Advanced Placement class. The course will cover all major topics from 1788-1900 and provide a significant focus on the changing American identity, politics, the economy, American culture and society, geography and the environment, and American foreign policy. Historical thinking skills to be taught and developed include sourcing, interpretation, comparison, causation, argumentation, close reading, contextualization, corroboration, intended audience, writer's purpose, and point of view. *In this course it is expected that students can complete high level evaluations, assessments, and writing prompts independently with a high degree of difficulty. Students are also responsible for a midterm and final examination. *Prerequisites: Recommendation from a 9th grade teacher Specific Content Topics to expect in both the College-Prep and Honors version of the course include but are not limited to: Rise of the Federal Government, Jefferson/Era of Good Feelings, Mass Democracy and Reform, Slavery and Expansion, Civil War and Reconstruction, The American West and Jim Crow, The Gilded Age, and the Progressive Era.

U.S. History II 1 credit		
Academic	**College Prep**	**AP**
America on the World Stage United States History II builds upon the not only critical content knowledge of US History I, but also further develops a students ability to think like an historian and 21st century citizen. The course will cover all major topics from 1896-2019 and provide a significant focus on the changing American identity, politics, the economy, American culture and society, geography and the environment, and American foreign policy. Historical thinking skills to be taught and developed include sourcing, interpretation, comparison, causation, argumentation, close reading, contextualization, corroboration, intended audience, writer's purpose, and point of view. Each student will be asked to keep a notebook, take periodic examinations, read historical documents, construct essays, and complete projects. Students are also responsible for a midterm and final examination Specific Content Topics to expect in the Academic, College-Prep, and Honors version of the course include but are not limited to: Imperialism and World War I, The Roaring 20's, The Great Depression and New Deal, World War II and World Power, Cold War, Cold War Culture and Civil Rights, Liberal vs. Conservative America, and Modern America.	**America on the World Stage** United States History II builds upon the not only critical content knowledge of US History I, but also further develops a students ability to think like an historian and 21st century citizen. The course will cover all major topics from 1896-2019 and provide a significant focus on the changing American identity, politics, the economy, American culture and society, geography and the environment, and American foreign policy. Historical thinking skills to be taught and developed include sourcing, interpretation, comparison, causation, argumentation, close reading, contextualization, corroboration, intended audience, writer's purpose, and point of view. Each student will be asked to keep a notebook, take periodic examinations, read historical documents, construct essays, and complete projects. Students are also responsible for a midterm and final examination. *The expectation in the college prep version of the course is that students will be expected to have a greater degree of independent reading and writing. *See Academic version for information on specific course content to be covered.	**Advanced Placement United States History** This course is a full year college level course in U.S. history. It will be a survey of our history from just prior to the first European explorations to the present.American identity, political institutions, public policy, social and economic changes, diplomacy, geography/environment, behavior and intellectual developments will be discussed. Students will be challenged to analyze and interpret historical evidence and complete considerable outside readings. Historical thinking skills to be used include sourcing, interpretation, comparison, causation, argumentation, periodization, point of view, writer's purpose, contextualization, continuity and change over time and synthesis. Students will be required to keep an organized binder, complete all assignments, and write extensively. The goal of the course is to give students a college level experience while also preparing them for the AP U.S. History exam in May. *There is a mandatory summer assignment for this course. All summer work is due during the first week of school. Students who opt for this course need to be highly motivated and have the willingness and ability to meet this academic challenge. *Prerequisites: Recommendation from a 10th grade teacher.

U.S. Government & Politics 1 credit		
Academic	**College Prep**	**AP**
This course covers the United States' system of government by examining a number of topics in an effort to create an informed citizenry. The ultimate goal of the course is to make students realize that government, and the decisions made by politicians, affect every aspect of our individual lives. While the major focus of the course is on the federal government, our studies will occasionally delve into the federal government's relationship with state and local governments as well. We will examine the principles of government, including comparison to other forms of government that are present in today's world. We will also cover the United States Constitution, our system of federalism, civil liberties and civil rights, the three branches of government, and how our government shapes economic policy. In the end, it is our hope that students will be able to understand how each unit of study impacts them individually.	This college-prep course is designed to both introduce students to the United States' system of government, and to help students become informed and active citizens upon graduation. Students will be guided by their instructors through a close study of each unit, while keeping a watchful eye on the goings-on in Washington D.C. The focus of the course will mainly be on the federal government, but it is important to understand that Washington's politics also have a trickle-down effect on what happens at the state and local levels. Students will learn about the principles of government, the Articles of Confederation and the Constitution, our system of federalism, civil liberties and civil rights, the three branches of government, and the government's development of economic policies.	This course is a full year course in United States government and politics and includes both the study and the analysis of general concepts used to interpret U.S. politics. Students will cover topics that include, but are not limited to: framework of the United States government and the Constitution; federalism; public opinion and political participation; civil liberties and civil rights; political parties; elections and campaigns; interest groups and the media; the three branches of government; the federal bureaucracy; and policy making. The ultimate goal of the class is for each student to take and achieve a passing grade on the Advanced Placement Exam in May. Students are also expected to attend evening reviews in the spring in preparation for the examination, although they are not mandatory. Students who select this course should be highly motivated and have the willingness and ability to meet the academic challenge.

AP European History
1 credit

AP

The Advanced Placement European History course is offered for eligible sophomore students to fulfill the required tenth grade Social Studies credit. It may also be taken as an elective by eleventh and twelfth graders, but will not replace the social studies courses required for those grades. The course is a rigorous program, comparable to an undergraduate college survey course in the given area. The course begins with an examination of Europe in 1450 and progresses to current times, introducing students to cultural, economic, political, and social developments that play a fundamental role in shaping today's world. Upon completing the course, it is expected that students will develop: (a) an understanding of some of the principal themes in modern European history, (b) an ability to analyze historical evidence, (c) an ability to engage in historical interpretation, and (d) an ability to express historical understanding in writing. Students that participate in the course are expected to complete assigned summer work and to take the Advanced Placement Examination in May, a test in which students demonstrate those abilities needed to pursue upper-level studies at college.

Prerequisites: · Recommendation from previous Social Studies teacher · A writing sample typed essay or essay test may be required by the AP teacher · Standardized test scores commensurate with above level achievement

Contemporary Legal Issues
.5 credit

Students will learn about important, current, significant legal developments in criminal, constitutional, and civil law, especially as they apply to juveniles. They will learn effective argument, how to structure a legal case, the importance of evidence, eyewitnesses and testimony, and how to try a legal case in mock trials. It is an active, engaging class emphasizing how the law affects them daily.

Economics Apprentice
.5 credit

This course is for the creative, imaginative, and adventurous student who enjoys a challenge. The course is structured around a series of activities challenging each student's skills and abilities. Activities include: using LEGO, international trade, Monopoly, money lending, and running an ice cream shop. Students will learn useful economic concepts while having an intellectually stimulating time.

AP Economics 1 credit
This course focuses on macroeconomics: the big economics picture. Topics include: unemployment and inflation; National Accounting (GDP); monetary and fiscal policy; international trade; income and expenditure; and savings and investment. Students will be well grounded in the interplay between economics and politics, how economic decisions impact political choices. Finally, they will appreciate how economic decisions affect them personally. Students will be able to analyze and utilize information graphically and visually, as well as tackling current economic problems.

Introduction to Sociology .5 credit
For this elective semester course, students will be introduced to sociology as the scientific study of human society and social behavior. All areas of social life will be explored, including work, community, religion, schools, family, gender, race, class, stratification & inequality, and crime & deviance. This course will enable students to apply both skills and knowledge as well as providing opportunities to better understand real-world problems and issues.

Introduction to Psychology .5 credit	AP Psychology 1 credit
This course offers students an engaging introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will gain insight into the history of the field of psychology, as well as explore current theories and issues in areas such as methodology, biopsychology, sensation and perception, states of consciousness, and psychological disorders. Students will learn why they feel and act the way that they do, and thus, have a better understanding of behavior, mental processes, and most importantly, themselves.	The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. An introductory college course in psychology is generally one semester in length, with some variation among colleges. An AP course in psychology need not follow any specific college curriculum. Rather, the aim is to provide a learning experience equivalent to that obtained in most college introductory psychology courses. All prospective college students electing this course needs to maintain a high grade point average while completing numerous classroom assignments, activities, and engaging in discussions, simulations, and demonstrations. Culmination of the course will

	involve preparation and completion of the Advanced Placement Examination in Psychology held in May. The College Board does give the AP exam for college credit and the cost of the test will be the responsibility of the student. Students should discuss with their instructor their particular interest in taking the AP exam based on their choice of university and/or intended major after graduation. **Prerequisites:** Achievement of Proficient or Advanced score on the Literature Keystone Exam

TECHNOLOGY

Students will recognize the relationships and the connections between technology and other fields of study while working to understand the attributes of design and apply the design process through a series of hands on activities. Students develop skills in the areas of assessing the impacts of products and systems, researching, problem solving, develop safety awareness, while working collaboratively with others. Students will stress troubleshooting, research & development, invention and innovation, experimentation in problem solving while learning to use and maintain technological systems. Additional understanding of the nature of technology, technology and society, design, and the abilities needed to succeed in a technological world are addressed. Tech Ed. covers a diverse range of (STEAM) Science, Technology, Engineering, Art and Mathematics curriculum.

Introduction to Technology **.5 credit**
Students will work through four specific areas of study pertaining to the modern world of technology. Students will develop an understanding of topics through hands on mini-projects. Projects will include: (1) **graphic design** of notepads and t-shirts, (2) **3D engineering** of CO2 dragster, (3) **construction** of truss type bridge, development and research in (4) **aquaponic sustainable living** through the use of the aquaponic fish farming lab and development of a recyclable vegetable growing system including a final research project on a modern Biotechnology topic.

Architectural Design **.5 credit**
Fulfills computer class requirement
This course will explore the introductory principles of Architectural Design working through two types of house designs. Students will learn software tools for three dimensional design of (1) a presentation model with and emphasis on interior house layout and flow; (2) a structural model with an emphasis on building code using SketchUp computer aided design (CAD) program.

Graphic Design
.5 credit

Fulfills computer class requirement

This class will explore digital photography in today's professional world with an emphasis on graphic design. Students will learn techniques for professional retouching, repairing and manipulating digital photographs using Adobe Photoshop. Each student will use the network's H: drive and develop a digital portfolio.

Engineering Design
.5 credit

Fulfills computer class requirement

This course will explore the introductory principles of engineering design and 3D modeling. Students will define the engineering design process through product re-designs. This course will give an introduction to the guidelines needed for ergonomic and aesthetic design of products using SketchUp computer aided design (CAD) program.

Bio-Technology I
.5 credit

This course will explore industrial level aquaponics systems. Students will define Aquaculture (fish farming) and hydroponics (growing plants in only water). This course will give an advanced hands-on experience in organic sustainable living. Students will be responsible for multiple growing systems and be able to describe them. Students will have weekly research labs were they are to find new technologies associated with STEM (Science, Technology, Engineering and Mathematics) and Biology related Technologies. Students will present and defend their findings with an emphasis on how it has affected society and where this new technology will go in the future.

Bio-Technology II
.5 credit

This course is a continuation of the concepts covered in Bio-Technology. Students will build on their knowledge of industrial level aquaponics systems. Students will germinate and harvest plants/vegetables while breeding, maintaining and processing tilapia. This course will give an advanced hands-on experience in organic sustainable living. Student projects will be on a larger, more complex scale with a higher degree of accuracy required. Students will be responsible for developing an introductory lesson regarding aquaponics that will be presented and carried out with students from the Kindergarten Academy.

Prerequisite: Students are required to have a teacher recommendation and have successfully completed Bio-Technology I

Wood Technology I
.5 credit

This is an introductory course for students with little or no experience in wood working. Wood I provides students with a variety of activities designed to give students knowledge about wood and wood manufacturing. Students will learn the care, names, proper use of hand power tools, machines, different types of wood, wood finishes, and occupations connected with wood manufacturing. In addition students will learn to design and develop plans, make calculations, make critical thinking decisions, and work safely in an industrial environment.

Wood Technology II
.5 credit

This is a continuation of the concepts covered in Wood Technology I. Students will build on their knowledge of basic tool use and perform more advanced machine operations. Student projects will be on a larger, more complex scale, and a higher degree of accuracy required.

Prerequisite: Students are required to have a teacher recommendation to advance to Wood Technology II.

Wood Technology III
1 credit

This course is for students with prior experience and superior skills in wood manufacturing. This class provides students with a chance to take their skills to a higher level of design and technique. Students learn to design advance level project, calculations, critical thinking decisions, and work safely in an industrial environment.

Prerequisite: Students are required to have a teacher recommendation to advance to Wood Technology III.

Exploring Construction Technology Systems
.5 credit

This course is intended for students who have interests in pursuing careers in construction. It prepares each to take further courses in technology education and demonstrates application of mathematical and scientific principles in common life situations. The course sets the stage for educational and specific career planning as well as preparation for employment in a technology driven world. Community resources are called upon to realistically define technology applications. Understanding the technological process and the impact of the process on life will be the goals for this course.

SPECIAL EDUCATION

English Lab 9 1 credit	English Lab 10 1 credit	English Lab 11 1 credit	English Lab 12 1 credit
Curriculum in English Lab 9 will mirror the curriculum offered in this English course while offering instruction and study at an appropriate pace. A major portion of instruction will be on vocabulary, literature, and writing. In the literature program, students will learn about and identify plot, theme, setting, conflict, character development, point of view and symbolism, and diction through several short stories, two novels and one play. Writing assignments will include: literary analysis, the five paragraph composition and compare and contrast writing format. Through reading and writing assignments, students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program.	This course is a thematic survey of literature with an emphasis on writing. Along with preparation for the Keystone Examination, the literature program will continue to expose students to literary works from America and around the world. Students will analyze literary elements in a variety of novels, plays, poems and short stories. Writing assignments will include the informational and argumentative essay as well as a variety of creative writing responses. Through reading and writing assignments students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program. Students enrolled in English Lab 10 will take the Literature Keystone Examination in May.	This course is a survey course of American literature with an emphasis on writing and preparation for the Keystone Examination which will be re-attempted if student did not achieve proficiency on their initial attempt. The literature program will expose students to literary works from American writers and contemporary non-fiction articles. Students will analyze literary elements in a variety of novels, plays, poems and short stories. Writing assignments will include the informational and argumentative essay as well as a variety of creative writing responses. Through reading and writing assignments, students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program.	This is a survey course of British Literature. The literature program will expose students to literary works from American writers and contemporary non-fiction articles. Students will analyze literary elements in a variety of novels, plays, poems and short stories. Writing assignments will include the informational and argumentative essay as well as a variety of creative writing responses. Through reading and writing assignments, students will practice the rules of grammar and correct usage of language. Students will increase their language knowledge through a vocabulary study program.

Pre-Algebra Lab 1 credit	Algebra I Lab 1 credit	Geometry Lab 1 credit
This course offers a solid foundation in pre-algebra while introducing students to geometric concepts. Students will learn the basis for writing and solving algebraic expressions and equations and how to apply them to real-life scenarios. Students will also learn to measure area and volume of figures, and explore the concept of geometric similarity. Students should be placed into this class based on their academic needs.	This class will follow the regular education Algebra curriculum, but is for students who require a smaller learning environment in order to be successful. Topics covered will include but are not limited to equations, inequalities, coordinate planes and slope. Student will take the Algebra Keystone exam in May.	Students will explore basic geometric concepts, explorations and activities that build on their previous math courses, including Algebra 1. Concepts such as distance, ratios, congruence and similarity, transformations, area, perimeter, surface area and volume will be explored. Students will make connections to algebra, and to the real world through applications. They will explore these concepts and topics in various ways, including the use of current technology.

Consumer Math Lab 1 credit
This course teaches key math concepts essential for successful adult living. From buying groceries to budgeting for housing, education, and travel, to filling out job applications and interviewing for the job. Students gain practical math competence through real-world examples in the areas of money management, banking, credit-card math, career choices, consumerism, jobs, coupons and everyday living. Basic skills lessons review and practice mathematical concepts essential to everyday life.

Academic Support Lab 1 credit
The Academic Support course is designed for students who would benefit from extra support in order to find success within their academic classes. This course is taught within a small group and will focus on providing additional assistance with assignment and assessment completion. Academic support classes may also provide opportunities for students to work on homework and supplemental assignments to practice their academic skills.

Life Link 1 credit
The purpose of this elective is for students who want to learn skills to help them become more independent. The students travel to a local nursing home where they participate in an intergenerational program. This helps develop social skills and confidence. Students must be willing to communicate with others. Additionally, the Bucs to Elders program assists senior citizens in the Interboro Community with raking, light house work, yard work, etc. Throughout the year, classwork assignments relate to learning how to communicate effectively, express and deal with feelings, working with others and job skills. Resumes and portfolios are also developed.

Life Skills			
English 1 credit	**Math 1 credit**	**History 1 credit**	**Science 1 credit**
The purpose of this course is to allow the student to continue strengthening and building English/Language Arts skills in a smaller classroom setting. Alignment to the regular education curriculum can be utilized when appropriate. Flexibility within this setting takes into account student skill levels. This class involves reading, writing and discussion. One novel is read each year, depending on student interest.	Students will participate in a multisensory approach to mathematics. Everyday math skills will be emphasized. Students work in small groups, phone in orders, complete order forms, make deliveries, collect and count money, record and calculate sales, write checks, make deposits, and complete a check register. Students will also compute problems involving fractions, decimals, percent, measurement and time. They will also have an opportunity to strengthen individual math skills.	This curriculum focuses on American History, map skills, government, technology, and the diversity of people who helped develop the United States. Students will discuss current events, develop an understanding of challenges, successes, geography and technology in the United States, use charts, tables, and map skills to enhance their understanding of historical events, and create timelines to explain historical events.	This class includes studying several units throughout the course of the year. A unit on oceanography involves learning about the different animals that inhabit in the ocean. We learn about the different mammals and fish and all of the other elements of ocean life that create the ecosystem. This class also includes learning about weather; studying the different clouds and natural disasters. Another unit that this class studies is land animals. This unit touches upon the different habitats of each animal and their adaptations that enable them to survive in their environment.

DELAWARE COUNTY TECHNICAL SCHOOL

Interboro School District has a partnership with the Delaware County Technical School (DCTS) in which students in grades 10, 11, and 12 have the opportunity to complete a vocational program. These students attend their core classes (Math, Science, English, and Social Studies) at the high school for half of the day and spend the other half of the day at the technical school.

Each technical course is an extension of the high school program and students earn 3 CP credits for each year they attend the program in addition to the credits for the classes being taken at Interboro High School. The exception to this is the Medical Careers, Biomedical Technologies and Laboratory Sciences, Exercise Therapy and Sports Science, and Engineering Technologies which earns 3 Honors credits.

**** Student attendance will be considered by Counselor & Administrator**, and can be cause for denial per Counselor & Administrator discretion. A student who has frequent absence/lateness (whether excused or unexcused) will not be permitted to participate in the Delaware County Technical School Program. Current and previous semesters' attendance will be considered in allowing students to enroll under IHS contract and/or qualify for reimbursement.

Students must enroll in the Technical School program within the first two weeks of the school year. Any students interested in attending beyond the initial enrollment period will be on a case by case basis and require administrative approval.

CONSTRUCTION TECHNOLOGY	HOSPITALITY, TOURISM & HUMAN SERVICES	LOGISTICS, DISTRIBUTION & TRANSPORTATION
BUILDING TRADES Prepares students for employment in general construction or property maintenance. Taught carpentry, masonry, plumbing, and roofing, drywall application, painting and framing/finishing. **CARPENTRY** Students learn building layout, framing, roofing, windows, doors, and trim. On-site projects include using hand and power tools. **ELECTRICAL CONSTRUCTION TECHNOLOGY** Introduces students to the basic concepts of residential and commercial wiring. Students install circuits, switches, conductors, circuit-breakers, and other electrical devices. Topics include selecting and ordering materials, supplies, tools, codes, blueprint reading and low voltage wiring.	**EARLY CHILDHOOD EDUCATION** Pennsylvania's growing need for preschool and kindergarten teachers makes ECE a rewarding educational choice. **CULINARY ARTS & HOSPITALITY** Prepare students for success in the food service and hospitality industry. Students are taught food prep, dining service, inventory control, safety and sanitation. **CULINARY ARTS & FOOD SERVICE MANAGEMENT** Prepare for Culinary Arts and Management Careers in the food industry. Students are taught food prep, front of the house management, inventory control, safety, sanitation, and business management skills.	**AUTOMOTIVE TECHNOLOGY** Gain a competitive edge working with state-of-the-art equipment and professionals in the automotive industry. **COLLISION REPAIR TECHNOLOGY** Use state-of-the-art equipment for welding, metal repair, detailing and more. **LOGISTICS & INVENTORY MANAGEMENT** Introduces students to the distribution service industry. Prepares students to work in distribution centers, warehouses, and supply rooms.

HEATING, VENTILATION & AIR CONDITIONING (HVAC)
Install and maintain complex climate control systems for residential and commercial buildings. Learn how to make homes and buildings more energy efficient.

WELDING
This program prepares students to apply technical knowledge and skills in gas, arc, shielded and non-shielded metal arc, brazing, flame cutting and plastic welding. Hand, semiautomatic and automatic welding processes are also included in the instruction. Students learn safety practices and types and uses of electrodes and welding rods; properties of metals; blueprint reading; electrical principles; welding symbols and mechanical drawing; use of equipment for testing welds by ultrasonic methods and destruction and hardness testing; use of manuals and specification charts; use of portable grinders and chemical baths for surface cleaning; positioning and clamping; and welding standards established by the American Welding Society.
Program Goals - Students will:

- Earn American Welding Society (AWS) industry certification
- Earn OSHA certification
- Transition into an occupational work-related job and/or related post-secondary training
- Be proficient in their career major and demonstrate proficiency through hands-on performance and theoretical testing

COSMETOLOGY
This three-year program prepares students for the PA State Board or Cosmetology license. Enables students to confidently begin working with hair, skin and nails early in the training. **students must enroll in this program beginning in their sophomore year*

ENGINEERING & COMPUTER SCIENCE

ADVERTISING, DESIGN & COMMERCIAL ART
Graphic designers or graphic artists plan, analyze, and create visual solutions to communications problems.

APPLE SYSTEMS & DESIGN
This program prepares students to apply basic engineering principles and technical skills in support of professionals who use computer systems. This comprehensive high school program specializes in Apple computer systems and applications. Students studying information technology will learn about LANs. WANs, network segments, internet and intranet systems. Students will learn to perform network modeling, analysis and planning, installation and maintenance of hardware and software, monitor networks, and make recommendations for future system upgrades. Students can also learn to use audio, video, and image editing software that is considered the industry standards by today's professionals. Students have the opportunity to earn a number of Apple creative application and information technology certifications.

COMPUTER NETWORKING AND DIGITAL FORENSICS
Curriculum centers on networks and the computer devices that comprise a typical network. Students will learn to build, maintain and support computer network systems which form the foundation for beginning a career in Information Technology.

HEALTH & BIOSCIENCE

DENTAL TECHNOLOGY
Earn your Dental Assistant certification and become a vital member of the dental health team.

EMERGENCY AND PROTECTIVE SERVICES
Experience this comprehensive public safety education program in the state's only certified high school EMT program.

MEDICAL CAREERS
This is a highly selective, honors-level program for seniors only. Students apply for enrollment during their junior year and go through an application and interview process (additionally information can be provided by the guidance counselors). This program is recommended for students planning to attend a 4-year college or university for a medical profession. In this program, the hospital becomes the classroom. Through a partnership with the Crozer Keystone Health System, students will rotate through various departments of the hospital. Students will observe many career opportunities and work alongside medical professionals as they care for patients. Students will receive 3 credits of Honors level weighting.

HEALTH SCIENCES
This is a healthcare career pathways program culminating with the opportunity to choose a Medical Assisting or Nursing Assisting pathway.

BIOMEDICAL TECHNOLOGY & LABORATORY SCIENCES
This program provides students with the knowledge and hands on experience necessary to be successful in medical technology and laboratory science careers. Students will use state-of-the-art equipment to learn the principles of scientific investigation and how they are applied to agriculture, environmental health, forensics, genetic engineering and medicine. An emphasis will be placed on DNA fingerprinting, polymerase

ENGINEERING TECHNOLOGIES
The engineering program will prepare students to
Using Project Lead the Way (PLTW) curriculum, instruction will include safety, ethics, power, problem solving, teamwork, engineering graphics, automated systems, fundamental electronics and manufacturing systems as well as adhering to the Science, Technology, Engineering and Mathematics (STEM) initiative.
PLTW Engineering course work engages students in interdisciplinary activities like working with a client to design a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source.
These activities not only build knowledge and skills in engineering, but also empower students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.
Program Goals - Students will:
• Transition into an occupational work-related job and/ or related post-secondary training and theoretical testing

chain reaction, microbiology and immunology. Students leaving this program will have the strong foundation necessary to pursue postsecondary and career opportunities in pathology, biomedical engineering, genetics, medical technology, molecular and cellular biology. **Career Opportunities** **With 4 year college degrees or higher:** Medical and Clinical Lab Technicians, Molecular and Cellular Biologist, Forensics Science Technician, Biomedical Engineer, Pathologist, Medical Scientist, Geneticists **With 2 year college degrees:** Bioinformatics Technician **EXERCISE THERAPY & SPORTS SCIENCES** This is a newer program recommended for the college-bound senior who is interested in pursuing a career in Sports Medicine, Athletic Training, Physical Therapy, Occupational Therapy, Exercise Physiology, Fitness Training, or Nutrition. The salary range for these careers is $27,000-$205,000 depending on the level of post- secondary education and career choice. Students who complete this DCTS program could potentially earn certifications in the following areas: Personal Training, First Aid, CPR, and AED. The projected job growth for occupations related to this program is **up to 33% higher** than the average growth rate for all careers! Core Curriculum: Legal and Ethical Issues, Communication, Infection Control, Disaster Preparedness, Emergency Care and First Aid, Human Needs and Development, Moving, Lifting, Positioning and Body Mechanics, Nutrition and Hydration, Basic Clinical Skills, Mental Health and Wellness, Rehabilitation and Restorative Care, Medical Terminology, Administrative Skills, Anatomy, Physiology and Pathophysiology, Mathematics in Rehabilitative Care, Concussion Management		

INTERNSHIP & JOB SHADOWING

Objectives

- To promote healthy and forward-thinking citizens
- To develop appropriate social skills toward supervisors and colleagues
- To perfect effective problem-solving, time-management and communicating skills
- To gain exposure to potential careers and industries that will influence post-secondary planning

Student Selection Process

- Only 10th through 12th grade students can participate
- Student must be passing all current classes
    - Students in the 10th grade must have earned 5 credits by the end of 9th grade
    - Students in the 11th grade must have earned 11 credits by the end of 10th grade
    - Student in the 12th grade must have earned 16.5 credits by the end of 11th grade
- Student should hold a 90% attendance rate and no report behavioral infractions
- Participate in the interview process and supporting career pathway assessment that support student's interest
- Submitted internship application to internship coordinator (including student resume).
- Plus any additional requirements per internship site/supervisor

.

DUAL ENROLLMENT AT DELAWARE COUNTY COMMUNITY COLLEGE

Interboro School District's partnership with the Delaware County Community College to provide Dual Enrollment offers eligible junior and senior students the opportunity to earn college credits while they are still in high school at a fraction of the standard tuition rates.

Student Requirements:

- Juniors – To participate in a dual enrollment course, 11th grade students must have a minimum of 13 credits at the start of their junior year and carry a minimum of 6 credits in their high school schedule. Permitted to take one course in the fall semester and one course in the spring semester.

- Seniors – To participate in a dual enrollment course, 12th grade students must have a minimum of 19 credits at the start of their senior year and carry a minimum of 5 credits in their High School schedule. Permitted to take two courses in the fall semester and two courses in the spring semester.

**** Student attendance will be considered by Counselor & Administrator**, and can be cause for denial per Counselor & Administrator discretion. A student who has frequent absence/lateness (whether excused or unexcused) will not be permitted to participate in the Dual Enrollment program. Current and previous semesters' attendance will be considered in allowing students to enroll under IHS contract and/or qualify for reimbursement.

Course Availability: If a course of interest is offered at Interboro High School, then a student cannot take its equivalent at Delaware County Community College. **Students are required to obtain Counselor and Administrator approval via completion of the "Interboro High School Dual Enrollment Course Contract" form before enrolling in a Dual Enrollment course.** If all options are exhausted to fit a course offered at the Interboro High School into a student's schedule, the High School Administration will consider a student's request to enroll in an equivalent course at DCCC.

Dual Enrollment Courses and the Interboro High School Transcript: The course(s) in which the student is enrolled at DCCC and their final grade(s) earned through Dual Enrollment coursework will appear on the official Interboro High School transcript as part of the student's Academic History.

Dual Enrollment Courses and Interboro High School Credits/GPA: The student's final grade in a Dual Enrollment course **will not count toward the fulfillment of Interboro's graduation requirements.** The student will still be required to achieve a minimum of 23 credits in specified core content and elective classes taken at Interboro High School. Moreover, grades achieved through Dual Enrollment coursework **will not count toward the student's class rank or grade point average** (weighted/ unweighted) at the Interboro High School.

Cost: As part of Interboro's partnership with DCCC, students will save significantly on tuition costs, paying just **$50 per credit**. Upon acceptance into the Dual Enrollment program and course registration, students will be required to pay Delaware County Community College via DCCC's delaGATE system. **Students who receive a final grade of C or better in their Dual Enrollment coursework can be reimbursed by the Interboro School District. Process for reimbursement will be reviewed each academic year by the Dual Enrollment Counselor.**

Textbooks: The cost of $50 per credit does not include textbooks. The Interboro School District will not reimburse students for the cost of textbooks purchased for Dual Enrollment coursework.

Dual Enrollment during Summer/Winter Session: Interboro School District will not provide reimbursement for student tuition for courses that are taken during any winter session or summer session.

Transportation: The Interboro School District does not assume responsibility for student transportation to or from Dual Enrollment courses taken at the Delaware County Community College or its satellite locations.

****No Online courses are permissible to take through a student's participation under the IHS Dual Enrollment contract. Any hybrid courses must be approved in advance by Counselor.**

Electro- Mechanical Technologies, Certificate of Competency
Computer - Aided Drafting, Certificate of Competency

Course open to 11th and 12th grade students. Students should apply for program during 10th grade year.

What Electro-mechanical Technicians Do

Electro-mechanical technicians install, repair, upgrade, and test electronic and computer-controlled mechanical systems. Electro-mechanical technicians combine knowledge of mechanical technology with knowledge of electrical and electronic circuits. They install, troubleshoot, repair, and upgrade electronic and computer-controlled mechanical systems, such as robotic assembly machines.

Duties

Electro-mechanical technicians typically do the following:

- Read blueprints, schematics, and diagrams to determine the method and sequence of assembly of a part, machine, or piece of equipment
- Verify dimensions of parts, using precision measuring instruments, to ensure that specifications are met
- Operate metalworking machines to make housings, fittings, and fixtures
- Repair and calibrate hydraulic and pneumatic assemblies
- Test the performance of electro-mechanical assemblies, using test instruments
- Install electronic parts and hardware, using soldering equipment and hand tools

Electro-mechanical technicians sometimes test and operate machines in factories and other worksites. They also analyze and record test results, and prepare written documentation to describe what tests they did and what the test results were.

Computer - Aided Drafting, Certificate of Competency

In this program, students will learn to manage computer systems for drawing production, information storage, retrieval and communication in the engineering and design workplace. As they develop computer aided drafting skills, they will explore manufacturing, mechanical, and architectural engineering and construction applications.

This program is intended, primarily, to serve as computer training for individuals who have previous experience as manual "board" drafters and who already possess a working knowledge of technical drawings. However, though there is no requirement of prior technical experience, individuals desiring an elementary introduction to the fields of engineering drafting, and design will be well served by this curriculum.

Students may, through the use of specified course alternatives, choose to pursue a basic 2D option with added emphasis in elementary blueprint reading and construction applications, or a 3D parametric modeling option with emphasis on advanced software features and mechanical / manufacturing applications.

All credits earned in this certificate are applicable to the Associate of Applied Science Degree in Computer

Aided Drafting and Design.

Program Outcomes

Upon successful completion of this program, students should be able to:

- Create two- and three-dimensional technical design models and drawings to document solutions for defined customer problems.
- Use CAD tools in applying the principles of descriptive geometry and the techniques of graphic construction to the process of documenting design intent.
- Execute computer generated plane and 3D geometric forms, as well as object viewing techniques, to describe and present a design concept.
- Apply CAD tools and techniques in the execution of working, multiview, assembly and 3D model drawings.