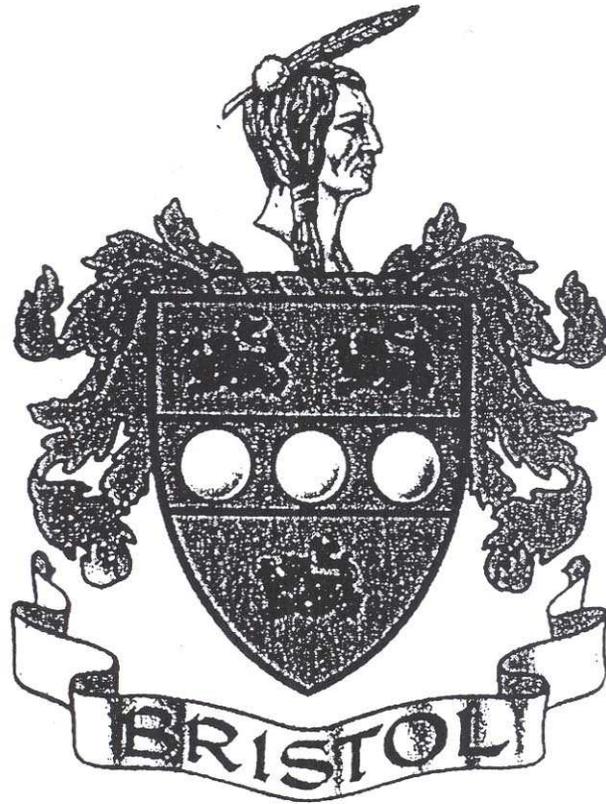


# *Bristol High School*

## *Curriculum Guide*



*2017-2018*

## Message from the Counselor

*The proper selection of subject-matter courses is one of the most important tasks that you will undertake. Consider with care the many courses listed in this guide. Your counselor will do everything possible to help you select the most appropriate program of studies for the next school year.*

*This guide has been prepared for students and their parents to assist them in selecting courses that will best meet their educational and career goals. You are encouraged to consult with your counselor for long and short term program planning. The review and revision of the planned programs should be an ongoing process throughout the high school years.*

*In consulting with your parents, teachers and staff you should consider the following criteria in making your course selections:*

- *Future career goals*
- *Aptitude, interests, and abilities*
- *Teacher recommendation*
- *Meeting graduation credit and course requirements, both state and local guidelines*
- *Meeting graduation project requirements*

*Since education is a lifelong process, the importance of thoughtful ongoing planning cannot be over emphasized. If you have any questions or concerns about this selection process, please feel free to contact Ms. Mortimer at your earliest convenience.*

## **SERVICE LEARNING PROJECT**

### **What is the Service Learning Project?**

- An opportunity to get involved in community activities that are fun and geared to your interests.
- A way to build character, personal values, self-esteem, confidence, empathy, and social responsibility.
- A vehicle for you to achieve your academic goals.
- An opportunity to become aware of career choices and experience what they involve.
- A way to intersect classroom learning with community interaction.

**All students will have the service learning project explained to them by Mrs. Doherty during their freshman year.**

## **Keystone Exams**

*The Keystone exams are end-of-course assessments designed to evaluate proficiency in academic content. Beginning with the class of 2019, students must demonstrate proficiency on the Algebra I, Literature, and Biology Keystone Exams to graduate. The exams are administered three times each year-winter, spring, and summer. Specific dates are published by the Pennsylvania Department of Education.*

*Keystone exams include multiple-choice questions and constructed response questions. Each test consists of two modules, and each module (or Test Session) should take approximately 1.5 hours to complete.*

*Parents and guardians may review the Keystone Exams if they believe the test may be in conflict with their religious beliefs by making arrangements with the School Test Coordinator once the exams arrive at the school. If, after they review the test, believe that the test is in conflict with their religious beliefs, they may opt out of the testing by submitting a letter to the Superintendent.*

*For additional information about the Keystone Exams visit [www.pdesas.org](http://www.pdesas.org).*

## Graduation Requirements

*The following graduation requirements must be met in order to obtain a diploma from Bristol High School:*

- *Achieve minimum credit requirements each year. (See Below)*
- *Successfully completion of the BBSD Service Learning Project (10 volunteer hours each year & presentation) by the end of their Senior year.*

### Graduation Requirements for the Class of 2017, 2018, 2019, 2020

<u>Course</u>	<u>Credits</u>
English	4
Math	4
Social Studies	4
Science	3
Academic Literacy	1
Foreign Language (Consecutive Language)	2
Health	.5
Physical Education	.5
Electives	4.5
Service Learning Project	.5
<b>Total Credits =</b>	<hr/> <b>24</b>

\*\* Minimum credit requirement for  
promotion to 10<sup>th</sup> grade = 6

\*\* Minimum credit requirement for  
promotion to 11<sup>th</sup> grade = 12.00

\*\* Minimum credit requirement for  
promotion to 12<sup>th</sup> grade = 17.00

\*\*Minimum credit requirement  
for **graduation = 24**

**A = 90-100    B = 80-89    C = 70-79    D = 65-69    F = 0-64**

## **WEIGHTED COURSE/QUALITY POINT POLICY**

*Rank-in-Class is defined as the numerical estimate of a student's scholastic achievement in relation to that of his classmates. All students and all subjects are included in the ranking procedure. Grades in all courses that are applicable for graduation credits (9 through 12) will be counted when computing quality point average.*

*Class rank is a procedure by which students are placed in order according to their quality point average (QPA). A student's QPA is computed by adding the numerical grade for the courses and the total is divided by the number of credits attempted to yield a QPA.*

**RATIONALE:** *Quality points are computed to provide a measure of the relationship between the level of difficulty of courses selected by a student and his/her level of achievement.*

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### **B Level Courses (basic curriculum)**

*Courses in this category offer the basic curriculum requirements as set forth by PDE for a discipline at a particular grade level.*

<i>American Literature I</i>	<i>Algebra I</i>	<i>American History I</i>
<i>American Literature II</i>	<i>Algebra II</i>	<i>American History II</i>
<i>World Literature</i>	<i>Algebra I, Part 1</i>	<i>World Cultures</i>
<i>British &amp; European Literature</i>	<i>Algebra I, Part 2</i>	<i>Psychology/Economics</i>
<i>Interdisciplinary Studies</i>	<i>Applications of Math</i>	<i>US Civics &amp; Gov't.</i>
<i>Applied Physical Science</i>	<i>Applied Biology</i>	<i>Applied Chemistry</i>
<i>Italian 1 &amp; 2</i>	<i>Spanish 1 &amp; 2</i>	

**Formula:  $1.0 \times \text{student grade} = \text{quality points}$**

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### **A Level Course**

*Courses in this category offer a more intense, college preparation than those in the B Level courses.*

<i>American Literature I</i>	<i>Trig/Pre-Calc</i>	<i>American History I</i>
<i>American Literature II</i>	<i>Calculus</i>	<i>American History II</i>
<i>World Literature</i>		<i>World Cultures</i>
<i>British &amp; European Literature</i>	<i>Italian 3 &amp; 4</i>	
	<i>Spanish 3 &amp; 4</i>	
<i>Physical Science</i>		
<i>Biology</i>		
<i>Chemistry</i>		

**Formula:  $1.1 \times \text{student grade} = \text{quality points}$**

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**HONORS Level Courses**

Courses in this category meet the standards established by the College Board and are the equivalent of a full year college course. This category will include college level courses with prior approval by the building principal.

American Literature I	Honors Geometry	American History
Interdisciplinary Studies	Honors Algebra II	American History II
World Literature		World Cultures
British & European Literature		

Honors Physical Science  
Honors Biology  
Honors Chemistry  
Human Anatomy & Physiology  
Physics  
Intro. To Biochemistry, Organic Chem. & Physical Chem.,

**Formula:  $1.135 \times \text{student grade} = \text{quality points}$**

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**AP Level Courses**

Courses in this category meet the standards established by the College Board and are the equivalent of a full year college course. This category will include college level courses with prior approval by the building principal.

AP European History	AP / Honors English 12	AP Chemistry
AP Calculus AB	AP US History	

**Formula:  $1.175 \times \text{student grade} = \text{quality points}$**

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For those “weighted” courses, the numerical grade will be multiplied by the level factor listed in each category to compensate for the greater challenge and competition that it involves. It is hoped that this aspect of the procedures will encourage more high ability students to take on the challenge of advanced courses rather than settling for a less rigorous course where a high grade is certain.

**Courses Online**

- Can't find a course that meets your needs?
- Are you interested in a subject that's a little off the beaten path?
- Are you an independent learner who would like to work on an academic course, yet have some control over your schedule?

For students who are interested in pursuing Advanced Placement courses and/or electives in areas of study not offered at the High School, the district now offers a limited number of seats in a wide variety of AP and elective courses online. Online learning is not for everyone, but if you can work independently, an online course may be right for you. If this is an option that you would like to investigate, please contact Ms. Mortimer in the Guidance Office for further information.

Visit: [www.thevhscollaborative.org/catalog](http://www.thevhscollaborative.org/catalog) for more course information.



# **ART**

**COURSE:** Art 1  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Art Elective - 1402

**COURSE DESCRIPTION:** This is an introductory course in the arts. In this course students will gain an introductory and developmental experience in drawing, painting, printmaking and sculpture. Through independent exploration and guided study students will be introduced to key concepts in art processes, art history, art criticism, aesthetics and philosophy.

*This course is a semester long course that is open to grades 9-12. It is a prerequisite for Art 2 and Art 3.*

**COURSE:** Art 2  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Art Elective or Art 1 with a grade C or better  
**WEIGHT:** 1.0  
**PIMS:** Art Elective - 1402

**COURSE DESCRIPTION:** This course builds on the skills and techniques learned in Art 1 and Art Elective. Students will build on their knowledge by refining their skills through a more advanced study of media and processes involved in drawing from direct observation, painting, printing, three dimensional design, art criticism, art history, aesthetics and philosophy.

*This course is a semester long course that is open to grades 9-12. It is a prerequisite for Art 3.*

**COURSE:** Art 3  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Art 2 or Art Major with a grade C or better with written permission from art coordinator  
**WEIGHT:** 1.0  
**PIMS:** Art Elective - 1402

**COURSE DESCRIPTION:** This course is designed for students with a strong interest in the arts who are looking to develop a more sophisticated and refined style for their artwork, or for those students who wish to prepare portfolios for college or employment interviews. Through guided practice and independent self-exploration students will develop individual creative solutions to problems involving advanced drawing skills, spatial design, mixed media, painting, graphics and sculpture. Through each project, art history, art criticism and student's individual art philosophies and artistic styles will be explored.

*This course is a semester long course that is open to grades 10-12.*

## ***BUSINESS EDUCATION***

***COURSE:*** Accounting I  
***GRADE LEVEL:*** 10-12  
***COURSE LENGTH:*** Year  
***PREREQUISITES:*** None  
***WEIGHT:*** 1.0  
***PIMS:*** Accounting I - 12104

***COURSE DESCRIPTION:*** An introduction to the basic principles of Accounting. The topics of debit and credit, special journals, trial balance, adjusting and closing entries, and financial papers are studied. Some hands-on operation in using the computer for automated Accounting work will also be offered.

***COURSE:*** Accounting II  
***GRADE LEVEL:*** 11-12  
***COURSE LENGTH:*** Year  
***PREREQUISITES:*** Accounting I and Accounting Teacher Approval  
***WEIGHT:*** 1.0  
***PIMS:*** Accounting II - 121042

***COURSE DESCRIPTION:*** This course deals with corporate accounting and the many systems used. It includes special journals, along with depreciation, disposal of fixed assets and payroll accounting. Additional accounting control systems will also be introduced. This is an independent study class.

***COURSE:*** Leadership  
***GRADE LEVEL:*** 10-12  
***COURSE LENGTH:*** Semester  
***PREREQUISITES:*** None  
***WEIGHT:*** 1.0  
***PIMS:***

***COURSE DESCRIPTION:*** The role of leadership is vital to the development of students and our community. Students will develop an awareness of his or her own leadership potential as well as develop essential leadership skills that enable them to act responsibly in all aspects of their lives. The class will provide students with opportunities to learn and practice essential leadership skills and develop into citizens who possess the leadership abilities to meet the present and future challenges in a global society.

***COURSE:*** Marketing for Sports, Entertainment & Special Events  
***GRADE LEVEL:*** 10-12  
***COURSE LENGTH:*** Semester  
***PREREQUISITES:*** None  
***WEIGHT:*** 1.0  
***PIMS:***

***COURSE DESCRIPTION:*** This class introduces the functions of marketing by examining the areas of sports and sporting events, the entertainment industry and organizing special and annual events. We will combine the text with current events that enables the student to learn about the concepts of leadership, finance, product management, human resources, legal and ethical issues, managing change and customer relations. Practical applications of knowledge are provided through activities including internet research and simulations that promote discussions and creative thinking.

**COURSE:** Computer Applications I  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Computer Science I - 10999

**COURSE DESCRIPTION:** This course will teach students introductory level skills in using Microsoft Office specifically Text Doc, Spreadsheet, and Presentations. Students will learn to integrate these applications into each other.

**COURSE:** Computer Applications II  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Computer Applications I, passing with a 77% or better  
**WEIGHT:** 1.0  
**PIMS:** Computer Science II - 10992

**COURSE DESCRIPTION:** This course will teach students intermediate and advanced skills in using Microsoft Office, specifically Text Doc, Spreadsheet, and Presentations. Students will also experience integrating these software applications and introduction to Web page design.

**COURSE:** Desktop Publishing I  
**GRADE:** 10-12  
**COURSE LENGTH:** One semester  
**PREREQUISITES:** Computer Applications I & II or Yearbook  
**WEIGHT:** 1.0  
**PIMS:** Desktop Publishing - 11152

**COURSE DESCRIPTION:** This is an introductory course into desktop publishing. In this course students will understand and demonstrate various tasks in InDesign and Photoshop programs. Students will be taught the principles of design. Students will create, format, illustrate, design, edit/revise, and print publications. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications are emphasized. Proofreading, document composition, and communication competencies are also included.

**COURSE:** Desktop Publishing II  
**GRADE:** 10-12  
**COURSE LENGTH:** One Semester  
**PREREQUISITES:** Desktop I  
**WEIGHT:** 1.0  
**PIMS:** Desktop Publishing - 11152

**COURSE DESCRIPTION:** Students will continue with intermediate and advanced skills in desktop publishing, including illustration, graphic communications, digital imaging, and layout and design. Students will incorporate new skills into various projects. Students will be introduced to web design software.

**COURSE:** *Internet Concepts*  
**GRADE LEVEL:** 10-12  
**COURS LENGTH:** *One Semester*  
**PREREQUISITES:** *Computer Applications I*  
**WEIGHT:** 1.0  
**PIMS:** *Web Page Design - 10201*

**COURSE DESCRIPTION:** *Students will experience how the Internet is used for personal and business-related activities. They will learn basic internet concepts and language. Using this knowledge, they will work with hands-on-activities that will enable them to use a browser, search engines, and e-mail. Students will create and design Web pages using HTML programming and Web Page authoring software.*

**COURSE:** *Keys to Financial Success*  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** *One Semester*  
**PREREQUISITES:** *None*  
**WEIGHT:** 1.0  
**PIMS:** *Finance - 12103*

**COURSE DESCRIPTION:** *Students will learn the knowledge, skills, and processes required to make sound financial decisions and manage their own personal finances. These lessons will engage students in critical thinking, problem solving, and decision-making. Various themes include: goals and decision making, careers and planning, budgeting, savings and investing, credit, banking services, transportation issues, housing issues, risk protection. Curriculum provided by the Federal Reserve Bank of Philadelphia.*

**COURSE:** *Web Page Design*  
**GRADE LEVEL:** 10-12  
**COURS LENGTH:** *Semester*  
**PREREQUISITES:** *Internet Concepts with a minimum 80% grade*  
**WEIGHT:** 1.0  
**PIMS:** *Web Page Design - 10201*

**COURSE DESCRIPTION:** *The course uses DreamWeaver, Flash, Fireworks to create integrated web sites. Students will learn advanced techniques for creating sites and utilize those skills to create web pages suitable for publishing to the web. Activities will include the creation of web pages highlighting school clubs and activities. Students will learn how the design and ease of use of a web site is as important as the content contained within it.*

# **ENGLISH**

**COURSE:** Academic Literacy

**GRADE LEVEL:** 9

**COURSE LENGTH:** Year

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** English/Literature (freshmen) - 01051

**COURSE DESCRIPTION:** This course addresses the social, personal, cognitive and knowledge-based dimensions of the reading process as outlined in the Reading Apprenticeship framework. Course work provides strategic approaches to reading in academic content area classes. Students work collaboratively and independently to develop competencies in these areas. The course also focuses on students' personal growth as readers, exploring interests and reader identities. Students are required to read self-selected texts in and out of class and to monitor that reading.

**COURSE:** Honors English 9 – Introduction to Literature

**GRADE LEVEL:** 9

**COURSE LENGTH:** Year

**PREREQUISITES:** Teacher recommendation

**WEIGHT:** 1.135

**PIMS:** English/Language Arts I - 01001

**COURSE DESCRIPTION:** Honors English 9 is a course designed to examine a variety of literary genres (short story, drama, novel, and poetry) in terms of self and society. It traces a number of universal themes as they are established through these various genres and selected texts. In addition to mastery of literary content, the course stresses the development of critical thinking skills through written and oral evaluation. It will also develop student skills in expository and creative writing, Keystone test taking strategies, and oral presentation (both formal and informal). Emphasis will be placed on American authors to align and work co-circularly with 9<sup>th</sup> grade social studies.

**COURSE:** English 9A – Introduction to Literature

**GRADE LEVEL:** 9

**COURSE LENGTH:** Year

**PREREQUISITES:** Teacher recommendation

**WEIGHT:** 1.1

**PIMS:** English/Language Arts I - 01001

**COURSE DESCRIPTION:** This year-long, college preparatory course is designed to emphasize reading and writing skills through a careful examination of various literary genres (short story, drama, novel, and poetry). Persuasive, narrative, and expository essays; journal writing; and Keystone test proactive are integral components of the class. Higher level thinking skills and group discussion (both formal and informal) are taught and practiced. Vocabulary and grammar are integrated into the units of study throughout the year.

**COURSE:** English 9B – Introduction to Literature  
**GRADE LEVEL:** 9  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Teacher recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts I – 01001

**COURSE DESCRIPTION:** This year-long course is designed to emphasize reading and writing skills through a careful examination of various literary genres (short story, drama, novel, and poetry). Persuasive, narrative, and expository essays; journal writing; and Keystone test practice are integral components of the class. Higher level thinking skills and group discussion (both formal and informal) are taught and practiced. Vocabulary and grammar are integrated into the units of study throughout the year.

**COURSE:** Honors Interdisciplinary Studies 10  
**GRADE LEVEL:** 10  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Teacher Recommendation  
**WEIGHT:** 1.135  
**PIMS:** English/Language Arts II - 01002

**COURSE DESCRIPTION:** Interdisciplinary English 10 and US History II is a tenth grade honors course designed to teach American history through the context of the US Constitution and American literature from the beginning of the 20th Century up to the present day. The course is chronological with a focus on a number of universal themes and constitutional issues as they develop throughout modern American history and are reflected in a myriad of American written works. Students will not only develop knowledge and comprehension of people, literature, and events key to understanding the 20th century, but will also develop skills in interpreting the impact people and events had on the nation's social, economic, governmental, and political development. Students will also develop skills in research, creative writing, and oral presentation. The course provides practice for proficient performance on the Keystone Exams.

**COURSE:** English 10 - American Literature  
**GRADE LEVEL:** 10  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9 and teacher recommendation  
**WEIGHT:** 1.1  
**PIMS:** English/Language Arts II - 01002

**COURSE DESCRIPTION:** This year-long course is designed to cover American literature from the late 19<sup>th</sup> century to the present. Reading and writing are an integral, constant part of the program. Keystone testing and PSAT practice and strategies are taught. Special emphasis is given to research papers and evaluative essays. Higher level thinking skills are taught and practiced. Vocabulary and grammar are covered through the writings, readings, and units of study.

**COURSE:** English 10 - American Literature  
**GRADE LEVEL:** 10  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9 and Teacher recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts II - 01002

**COURSE DESCRIPTION:** This year-long course is designed to cover American literature from the late 19th century to the present. Reading, writing, research skills, including Keystone testing strategies, are reinforced and practiced through regular reading and composition assignments. Higher level thinking skills are taught and practiced. Vocabulary and grammar are major areas of study

**COURSE:** Honors English 11 – British & European Literature  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, and Teacher Recommendation  
**WEIGHT:** 1.135  
**PIMS:** English/Language Arts IV – 01004

**COURSE DESCRIPTION:** The year-long course is designed for the highly motivated, college bound student. Extensive reading assignments given at an accelerated pace, focus on British and European literature of varying themes. An emphasis is also placed on the college application and admittance process, scholarship/application essay writing, and creation of a working resume. Grammar skills, vocabulary, and public speaking are also integral components of the course. Composition requirements include persuasive essay, literary interpretations, personal reflection, critical literature analysis, satirical essay and poetic writing.

**COURSE:** English 11A – British & European Literature  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, and Teacher Recommendation  
**WEIGHT:** 1.1  
**PIMS:** English/Language Arts IV – 01004

**COURSE DESCRIPTION:** The year-long course is designed for the college bound student. Reading assignments focus on British and European literature of varying themes. An emphasis is also placed on the college application and admittance process, scholarship/application essay writing, and creation of a working resume. Grammar skills, vocabulary, and public speaking are also integral components of the course. Composition requirements include critical and persuasive essays, literary interpretations, satirical essay, and creative / poetic writing.

**COURSE:** English 11B – British & European Literature  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, 11 and Teacher Recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts IV - 01004

**COURSE DESCRIPTION:** The year-long course is designed to provide mastery in English skills: reading, analysis of the written word, and speaking. Reading assignments focus on British and European literature of varying theme, as well as contemporary novels. An emphasis is also placed on creating a working plan for life after high school. Students are given information regarding secondary educational options such as technical and trade schools, two year programs, and four year college/university programs. Application essay writing and creation of a working resume are requirements. Grammar skills, vocabulary, and public speaking are also integral components of the course. Composition requirements include persuasive essay, literature interpretations, journal and reflection writing, and creative poetic writing.

**COURSE:** AP / Honors English 12– World Classics  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, 11 and Teacher Recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts IV - 01004

**COURSE DESCRIPTION:** This year long course is designed for the highly motivated, college bound student. Extensive reading assignments are given at an accelerated pace and focus on a collection of world classics which span five centuries of literature. The literacy techniques used in poetry, fiction, and drama are analyzed and applied in a variety of formal and informal writing assignments. The course is designed to help develop skills tested by the AP Literature and Composition Exam, as well as by college courses in literature and composition. Close reading skills and a working knowledge of literacy terminology are stringently assessed. Students are highly encouraged, though not required, to take the AP exam in May.

**COURSE:** English 12A – World Classics  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, 11 and Teacher Recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts IV - 01004

**COURSE DESCRIPTION:** This year long course is designed for the highly motivated, college bound student. Extensive reading assignments are given at an accelerated pace and focus on a collection of world classics which span five centuries of literature. The literacy techniques used in poetry, fiction, and drama are analyzed and applied in a variety of formal and informal writing assignments. The course is designed to help develop skills expected by college courses in literature and composition. Close reading skills and a working knowledge of literacy terminology are stringently assessed.

**COURSE:** English 12B – Contemporary English  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** English 9, 10, 11 and Teacher Recommendation  
**WEIGHT:** 1.0  
**PIMS:** English/Language Arts IV - 01004

**COURSE DESCRIPTION:** This year long course is geared toward the student who is considering entering the workforce, a tech or trade school, or the military upon graduation. It is designed to provide mastery in Language Arts skills: reading, analysis or the written word, written communication, listening, and speaking. Reading assignments will focus on fictional works from varying time periods, as well as modern non-fiction pieces meant to relate to life beyond the high school classroom. An emphasis will be placed on creating a working plan for life after high school. Students will be given information regarding continuing education options. Grammar skills, vocabulary, and public speaking are integral components of the course. Composition requirements include critical and persuasive essays, literature and article interpretation, journal and reflective writing, and researched pieces.

**COURSE:** Short Story/Creative Writing Elective

**GRADE LEVEL:** 11-12

**COURSE LENGTH:** One semester

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** Literature of a Genre - 01061

**COURSE DESCRIPTION:** The semester-length short story elective is designed to introduce students to the short story genre. Students will read, analyze, and write short stories. This course will also provide students with the knowledge of the structural elements of a short story and with the knowledge of relevant literary terms and devices. At the end of the course students are expected to be able to:

Define what a short story is.

Discuss the origins and types of short stories.

Recognize, define, analyze, and discuss the elements of a short story.

Apply their knowledge in guided and independent reading and writing.

Synthesize the elements of the short story well enough to create their own.

**COURSE:** Contemporary Novel

**GRADE LEVEL:** 11-12

**COURSE LENGTH:** One semester

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** Literature of a Period - 01062

**COURSE DESCRIPTION:** This is a semester length elective which gives students the opportunity to read and discuss current and bestselling books. The literature selected will cover a variety of genres and themes with the intention of moving students beyond traditional high school readings. Students will read, discuss, and complete assignments for the purpose of reading enjoyment and expanding their literary background. All students should feel comfortable expressing their views in front of the class. Due to the modern reading material, interested students should be motivated, mature, and prepared to read and expound upon more adult topics.

**COURSE:** Public Speaking

**GRADE LEVEL:** 10-12

**COURSE LENGTH:** One semester

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** Literature of a Period - 01062

**COURSE DESCRIPTION:** To be an effective speaker, your communication, verbal, nonverbal, and written must be consistent. Master of the skills used in public speaking will greatly enhance your chances of being understood. This course provides instruction and experience in preparation and delivery variety of public speaking situations. Emphasis is on preparation, delivery, and evaluation of informative, persuasive, and special occasion public speaking. Students should be able to prepare and deliver well-organized speeches and participate in group discussion with appropriate audiovisual support. Students should also demonstrate the speaking, listening, and interpersonal skills necessary to be effective communicators in academic settings, in the workplace, and in the community.

## FAMILY & CONSUMER SCIENCE

**COURSE:** Nutrition & Food Preparation

**GRADE LEVEL:** 9-12

**COURSE LENGTH:** Semester

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** Nutrition & Food Preparation - 16054

**COURSE DESCRIPTION:** Students will learn basic nutrition concepts, nutritional analysis, food costs and budgeting, regional American food traditions, vocabulary and terminology, plus basic food preparation techniques. Students will be required to work in groups to prepare, taste, and critique a variety of foods.

**COURSE:** World Cultures & History through Food

**GRADE LEVEL:** 9-12

**COURSE LENGTH:** Semester

**PREREQUISITES:** Nutrition & Food Preparation

**WEIGHT:** 1.0

**PIMS:** FCS Other - 22999

**COURSE DESCRIPTION:** Students will explore cultural influences, history, terminology, and preparation techniques of foods from around the world. Students will explore timely topics such as world hunger, pollution, and agricultural advancements that affect the world-wide food supply. Students will be required to work in groups to prepare, taste, and critique a variety of international foods.

**COURSE:** Self-Management

**GRADE LEVEL:** 10-12

**COURSE LENGTH:** Semester

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** Self-Management - 22207

**COURSE DESCRIPTION:** Students will learn to improve their quality of life through time management, setting goals, and money management. Course is designed to prepare students for independent living by researching careers, writing budgets, shopping for a car and managing a home

## **FOREIGN LANGUAGE**

**COURSE:** *English Language Learner (ELL)*

**GRADE LEVEL:** *As needed by individual students*

**COURSE LENGTH:** *Instruction continues as long as there is need and student is able to function in a regular class.*

**PREREQUISITES:** *Teacher recommendation*

**WEIGHT:** *1.0*

**PIMS:** *ESL - 01008*

**COURSE DESCRIPTION:** *The ELL course is available to ESL students based on need that is determined by the Home Language Survey and language screening results. The amount of time that a student requires is determined by the screening results also. The time will decrease as the student's skills improve. All exit criteria must be met before a student can be exited from the program per state guidelines.*

**COURSE:** *Italian I*

**GRADE LEVEL:** *9-12*

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *None*

**WEIGHT:** *1.0*

**PIMS:** *Italian I - 06141*

**COURSE DESCRIPTION:** *Italian I is a full year course. This is an introductory course to the Italian language and its culture. The skills of listening, speaking, reading and writing as well as the study of culture, history, geography and the interrelations of language are the essential elements taught in first year Italian. Computer and technology are integrated weekly into the curriculum.*

**COURSE:** *Italian I – Modified (Culture & Communication)*

**GRADE LEVEL:** *9-12*

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *None*

**WEIGHT:** *1.0*

**PIMS:** *Italian I - 06141*

**COURSE DESCRIPTION:** *Italian I – Modified (Culture & Communication) is a full year course. This is an introductory course to the Italian language and its culture that moves at a slower pace and has more emphasis on culture. This course is taught with a more simplistic approach to foreign language. These skills of listening, writing, and verbal communication are taught through repetition. The culture, history, geography and interrelations of the language are essential elements taught in this first year Italian. Computer and technology are integrated weekly into the curriculum.*

**COURSE:** *Italian II*

**GRADE LEVEL:** *10-12*

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *Italian I*

**WEIGHT:** *1.0*

**PIMS:** *Italian II - 06142*

**COURSE DESCRIPTION:** *Italian II is a full year course. This is a continuation to and builds upon the Italian language and its culture. The further development of the skills of listening, speaking, reading and writing as well as the study of culture, history, geography and the interrelations of language are the essential elements will be continued in second year Italian. Computer and technology are integrated weekly into the curriculum.*

**COURSE:** Italian III  
**GRADE LEVEL:** 11-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Italian I, II  
**WEIGHT:** 1.1  
**PIMS:** Italian III - 06143

**COURSE DESCRIPTION:** Italian III is a full year course offered as an elective. This is a conversation based, interactive course wherein students will be required to participate in meaningful dialogues and translations. The course will continue to build upon the Italian language and its culture. The further development of the skills of listening, speaking, reading and writing as well as the study of culture, history, geography and the interrelations of language are the essential elements will be continued in third year Italian. Computer and technology are integrated weekly into the curriculum. Field trips will be offered to this level Italian.

**COURSE:** Italian IV  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Italian I, II, III  
**WEIGHT:** 1.1  
**PIMS:** Italian IV - 06144

**COURSE DESCRIPTION:** Italian IV is a full year course offered as an elective. This is a conversation based, interactive course wherein students will be encouraged to think independently in Italian, expressing ideas through conversation and writing. There will be much emphasis on literature and art. The course will continue to build upon the Italian language and its culture. The further development of the skills of listening, speaking, reading and writing as well as the study of culture, history, geography and the interrelations of language are the essential elements will be continued in fourth year Italian. Computer and technology are integrated weekly into the curriculum. Field trips will be offered to this level Italian.

**COURSE:** Spanish I  
**GRADE LEVEL:** 9 - 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Spanish I - 06101

**COURSE DESCRIPTION:** Spanish I is a full - year major course. The course presents a basic introduction to the Spanish language, its vocabulary and grammar. All language skills listening, speaking, reading and writing skills are developed to a beginning level. Basic geographical concepts and cultural patterns are also introduced.

**COURSE:** Spanish II  
**GRADE LEVEL:** 10 - 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Spanish I  
**WEIGHT:** 1.0  
**PIMS:** Spanish II - 06102

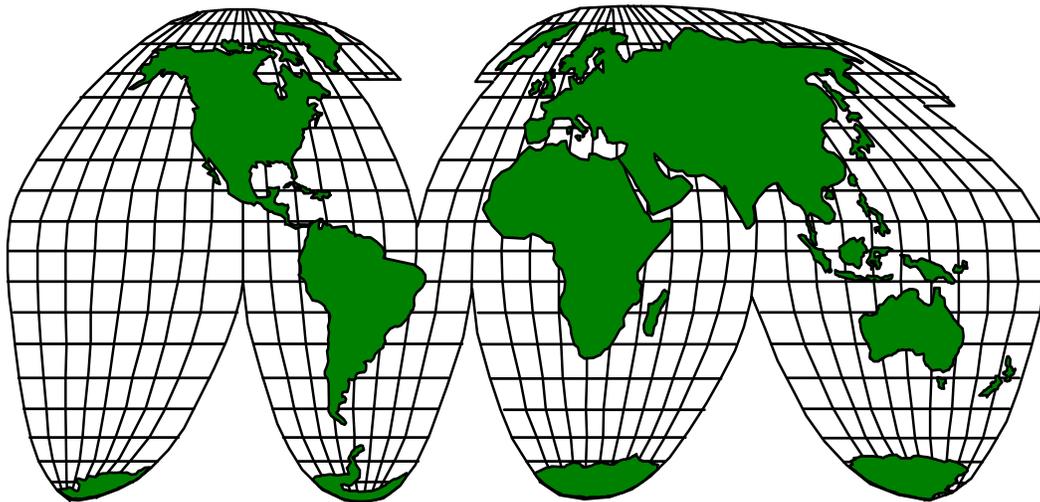
**COURSE DESCRIPTION:** Spanish II is a full year major course. The course continues the development of basic skills of the Spanish language, including listening, speaking, reading and writing. This course presents vocabulary and grammar.

**COURSE:** Spanish III  
**GRADE LEVEL:** 11 – 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Spanish I, II  
**WEIGHT:** 1.1  
**PIMS:** Spanish III - 06103

**COURSE DESCRIPTION:** Spanish III is a full year major course which is offered as an elective. The course intensifies the development of basic language skills, including listening, speaking, reading and writing. Various cultural situations are studied. The course presents vocabulary and grammar.

**COURSE:** Spanish IV  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Spanish I, II, III  
**WEIGHT:** 1.1  
**PIMS:** Spanish IV - 06104

**COURSE DESCRIPTION:** Spanish IV is a full year major course which is offered as an elective. The course intensifies and summarizes the development of Spanish language skills including listening, speaking, reading and writing and summarizes the development of Spanish language skills. Spanish literature and history are studied.



# HEALTH & PHYSICAL EDUCATION

**COURSE:** Physical Education

**GRADE LEVEL:** 9-12

**COURSE LENGTH:** Semester

**PREREQUISITES:** None

**WEIGHT:** .5

**PIMS:** Physical Education - 02001

**COURSE DESCRIPTION:** Physical Education refers to that part of the school program that provides guidance and instruction through physical activities designed to meet the needs of pupils in developing their physical efficiency and recreational skills, and along with other phases of curriculum, provides maximum opportunity for growth physically, mentally, and socially.

An effective program of physical education should develop within the children a deep respect for the human organism as a wonderful instrument, delicate, yet unbelievably strong and enduring if given the care and training it deserves, with marvelous power to work, rest, play, relax, create, think, and do. It is the privilege of the teachers to inspire pupils with the concept of what physical education as a way of living can mean throughout their lives.

**COURSE:** Health Education

**GRADE LEVEL:** 9 - 12

**COURSE LENGTH:** Semester

**PREREQUISITES:** None

**WEIGHT:** .5

**PIMS:** Health & Education - 08051

**COURSE DESCRIPTION:** The educational objective of developing the individual to their greatest potential cannot be achieved successfully unless that person is able to attain and maintain a state of good health. This course of Health Education is incorporated with the aim to establish in the students the good habits and principles of living, which through out their school life and in later years, will aid in providing the abundant vigor and vitality which will be a foundation for the greatest possible happiness and service in personal, family, and community life. The students will reach his or her greatest potential through physical well being which contributes to emotional and social health. All of these are necessary for a meaningful contribution to society.



# **MATH**

**COURSE:** *Readiness for Algebra*

**GRADE LEVEL:** 9

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *Teacher recommendation and principal approval*

**WEIGHT:** 1.0

**PIMS:** *Algebra I - 02052*

**COURSE DESCRIPTION:** *Students taking this course will receive instruction in the fundamental math and pre-algebra skills needed to be successful in the Algebra I course of study. Topics include integer numbers, fractions, decimal, and percent, proportions, equations and expressions, and basic geometry.*

**COURSE:** *Algebra I*

**GRADE LEVEL:** 9

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *none*

**WEIGHT:** 1.0

**PIMS:** *Algebra I - 02052*

**COURSE DESCRIPTION:** *Students will be exposed to an extensive study of the basic concepts of a first year Algebra course, with an emphasis on applications to science and careers. Topics discussed are operations involving signed numbers, simplifying variable expressions, linear equations and inequalities, linear functions, non-linear functions and their graphs. Completion of Keystone preparation materials is a core requirement for success. The course will also include an introduction to probability, and statistics.*

**COURSE:** *Algebra 1 – Part 1; Algebra 1 – Part 2*

**GRADE LEVEL:** 9-11

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *Teacher recommendation and Principal approval*

**WEIGHT:** 1.0

**PIMS:**

**COURSE DESCRIPTION:** *Algebra 1 part 1 and 2 in the study of Algebra 1 over the course of 2 years. Students will be exposed to an extensive study of the basic concepts of Algebra I. Topics discussed are operations involving signed numbers, simplifying variable expressions, linear equations and inequalities, linear functions and their graphs. Completion of Keystone preparation materials is a core requirement for success. The course will also include an introduction to probability and statistics.*

**COURSE:** *Business Mathematics*

**GRADE LEVEL:** 10-12

**COURSE LENGTH:** *Semester*

**PREREQUISITES:** *None*

**WEIGHT:** 1.0

**PIMS:** *Banking & Finance - 12101*

**COURSE DESCRIPTION:** *The pupil uses his knowledge and skills to solve problems in personal and business situations. These situations include banking transactions, payroll procedures, personal and property insurance, investments, buying and selling merchandise, and collecting, reporting and interpreting business data.*

**COURSE:** Algebra II  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Successful completion of the Algebra I course and either teacher recommendation or completion of the geometry elective  
**WEIGHT:** 1.0  
**PIMS:** Algebra II – 02056

**COURSE DESCRIPTION:** This course reviews and extends the concepts of Algebra I bringing into greater depth the study of equations, inequalities, problem solving, factoring, linear equations, simultaneous equations and modeling. A study of quadratic functions, exponential functions, and rational functions, in preparation for advanced topics, is included in the course. Geometry, statistics, and probability are integrated into this study.

**COURSE:** Trigonometry/Pre-Calculus  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Successful completion of Algebra I & Algebra II.  
**WEIGHT:** 1.1  
**PIMS:** Pre-Calculus – 02110

**COURSE DESCRIPTION:** This course extends the student's algebraic concepts to the trigonometric functions. Fundamentals necessary for success in calculus are also covered including: quadratic, exponential, logarithmic, power, and polynomial functions including the analysis of domain, range, and asymptotic behavior. This course is designed for students whose past achievement indicates that they can pursue the study more rigorously.

**COURSE:** Calculus  
**GRADE LEVEL:** 11-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Successful completion of Algebra I, Algebra II and Pre-Calculus.  
**WEIGHT:** 1.1  
**PIMS:** Calculus - 02121

**COURSE DESCRIPTION:** The calculus course initially enhances the student's learning of algebra, geometry and trigonometry. Then, an in-depth study of limits, derivatives and integrals is pursued. A daily menu of work problems is also offered. Completion of daily assignments is a requirement for success in this course.

**COURSE:** Advanced Placement Calculus AB  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Calculus  
**WEIGHT:** 1.175  
**PIMS:** Calculus – 02124

**COURSE DESCRIPTION:** This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry (rectangular and polar coordinates), equations and graphs, lines, and conics and who have successfully completed the calculus course. Functions, limits, and continuity are topics covered thoroughly, followed by a rigorous study of differential and integral calculus.

**COURSE:** Geometry  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Algebra I  
**WEIGHT:** 1.0  
**PIMS:** Geometry - 02072

**COURSE DESCRIPTION:** Geometry is a semester course designed to involve the student in a study of geometric shapes, spatial and angular relationships, and transformational geometry through the application of fundamental algebraic operations.

**COURSE:** Applications of Math  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Algebra I  
**WEIGHT:** 1.0  
**PIMS:** Mathematics and Applications – 02154

**COURSE DESCRIPTION:** The goal of this course is to refine and extend concepts learned in algebra, geometry, statistics and probability which includes a range of everyday situations through the application of practical problem solving strategies. Emphasis is placed on those topics required for success in college Algebra.

**COURSE:** Statistics  
**GRADE LEVEL:** 11-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Algebra II  
**WEIGHT:** 1.0  
**PIMS:** Mathematics and Applications – 02154

**COURSE DESCRIPTION:** The study of statistics is now a requirement for many university majors. Students in this class will perform statistical tests on data sets using technology in order to organize, analyze, and predict outcomes. The study includes, but is not limited to, basic data analysis, curve fitting, and data collection. This is a rigorous course that will require students to apply algebra skills in order to be successful.

**COURSE:** Data Analysis  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** Algebra I  
**WEIGHT:** 1.0  
**PIMS:**

**COURSE DESCRIPTION:** This one-semester course focuses on the mathematical examination of data related to academia and everyday living. Students will learn to apply basic algebraic, statistical, and probabilistic concepts to course-provided data sets as well as those obtained through simple experimentation.

**COURSE:** *Keystone Remediation*

**GRADE LEVEL:** *10-11*

**COURSE LENGTH:** *Semester*

**PREREQUISITES:** *Algebra I, and a Keystone score of Basic or Below Basic*

**WEIGHT:** *1.0*

**PIMS:**

**COURSE DESCRIPTION:** *This course is designed to remediate those students who earned a score of Basic or Below Basic on their Algebra Keystone Exam for their upcoming retest.*

**COURSE:** *Preparing for the SAT*

**GRADE LEVEL:** *10-12*

**COURSE LENGTH:** *Semester*

**PREREQUISITES:** *Algebra I and the Geometry Elective*

**WEIGHT:** *1.0*

**PIMS:**

**COURSE DESCRIPTION:** *This is a semester-long course designed to prepare students for the mathematics portion of the SAT. Students will be exposed to a large variety of problems and learn strategies to use to improve their scores. While most of the questions will fall into the Heart of Algebra, Passport to Advanced Math, or Problem Solving and Data Analysis categories, the remaining topics including geometry, trigonometry, and problems with complex numbers will also be addressed.*

## **MUSIC**

**COURSE:** Vocal Major  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Choral Music - 05110

**COURSE DESCRIPTION:** This course is designed for students beginning their studies in vocal music. Instruction emphasizes improvement of choral technique, sight singing, and basic music theory, and historical background of choral music. A highlight of this course is the group performances, which is requirement for the performance assessments. This includes attendance at after school chorus rehearsals. It is recommended that all chorus members schedule this course.

**COURSE:** Introduction to Piano 1 / Introduction to Piano 2  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Semester  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Piano - 05107

**COURSE DESCRIPTION:** Intro to Piano is a fine arts course in which students will learn basic piano techniques, and the introductory stages of reading music notation. The goal of this course is for students to develop proper technique for playing the keyboard. The objectives are to learn basic music vocabulary and theory and gain the ability to play simple pieces of music artistically and expressively.

**COURSE:** Instrumental Music  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** This course is intended for students who read music and play an instrument  
**WEIGHT:** 1.0  
**PIMS:** Instrumental Music - 05109

**COURSE DESCRIPTION:** This course is designed for students who read music and play an instrument that have the desire to continue with instrumental music. Actives include group rehearsals and individual practices/lessons, and participation in concerts/performances.

**COURSE:** Musical Theory/Composition  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** Yearly  
**PREREQUISITES:** This course is intended for students who have a desire to learn how basic music theory and composition  
**WEIGHT:** 1.0  
**PIMS:** Music-Other - 05149

**COURSE DESCRIPTION:** This course will focus on: notes, rests, treble and bass clefs, time signatures, key signatures and intervals. The culminating project will be to compose a complete piece of music using the music notation software "Finale".

**COURSE:** *Electronic Music*

**GRADE LEVEL:** *9-12*

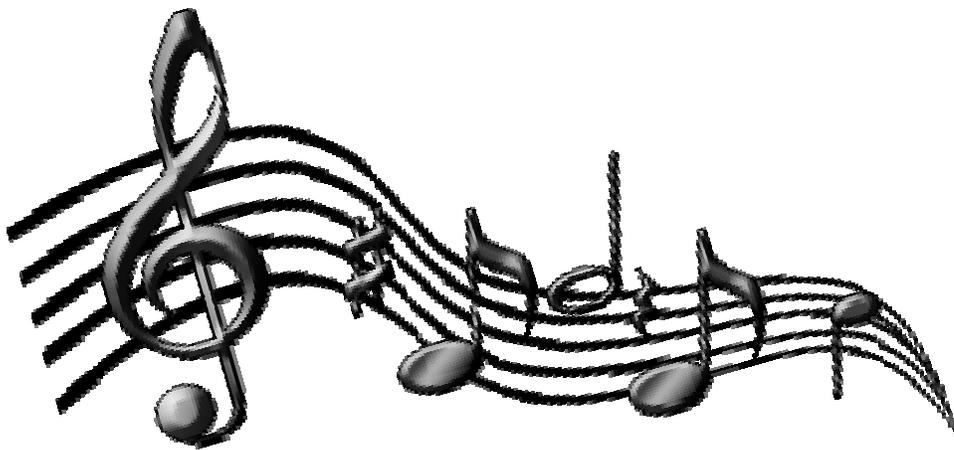
**COURSE LENGTH:** *One Semester*

**PREREQUISITES:** *Musical experience is highly recommended.*

**WEIGHT:** *1.0*

**PIMS:** *Music-Other - 05149*

**COURSE DESCRIPTION:** *This course is intended for highly motivated students who are interested in learning about and creating electronic music as audio mixing and audio effects. Students will learn how to operate the Digital Audio Workstation Audio Tool and be required to complete and present various projects that highlight different electronic music styles.*



# SCIENCE

**COURSE:** Honors Physical Science  
**GRADE LEVEL:** 9H  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Teacher recommendation  
**WEIGHT:** 1.135  
**PIMS:** Physical Science - 031592

**COURSE DESCRIPTION:** Honors Physical Science is designed to promote a student's understanding of science through application and analysis. A primer for both chemistry and physics, the laboratory oriented curriculum includes studies of the scientific method, measuring and the metric system, density, states of matter, mixtures and solutions, chemical properties, forces, motion, and simple machines, and electromagnetic spectrum.

**COURSE:** Physical Science  
**GRADE LEVEL:** 9A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Teacher recommendation  
**WEIGHT:** 1.1  
**PIMS:** Physical Science - 031592

**COURSE DESCRIPTION:** Physical Science is designed to promote a student's understanding of science through application and analysis. A primer for both chemistry and physics, the laboratory oriented curriculum includes studies of the scientific method, measuring and the metric system, density, states of matter, mixtures and solutions, chemical properties, forces, motion, and simple machines, and electromagnetic spectrum.

**COURSE:** Applied Physical Science  
**GRADE LEVEL:** 9B  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Physical Science - 031592

**COURSE DESCRIPTION:** Applied Physical Science is oriented toward helping students gain a basic understanding of matter and energy and their relationships in today's world. The curriculum includes studies of the scientific method, measuring and metrics, the structure of matter, solutions, states of matter, forces, motion, simple machines, waves, and electricity.

**COURSE:** Honors Biology  
**GRADE LEVEL:** 10H  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Physical Science  
**WEIGHT:** 1.135  
**PIMS:** Biology I – B3051

**COURSE DESCRIPTION:** In this accelerated laboratory-based course students will learn many of the concepts and principles of general biology. Topics include: molecular biology, cell structure and function, genetics, evolution, ecology and a survey of the Kingdoms of life. Students will learn the techniques used in laboratory research, including the use of microscopes and gel electrophoresis equipment. In addition, students will be required to complete research reports in oral and written form. Students who complete this course are encouraged to take the SAT Subject Test in Biology.

**COURSE:** Biology  
**GRADE LEVEL:** 10A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Physical Science  
**WEIGHT:** 1.1  
**PIMS:** Biology I – B3051

**COURSE DESCRIPTION:** In course students will learn many of the concepts and principles of general biology. Topics include: molecular biology, cell structure and function, genetics, evolution, ecology and a survey of the Kingdoms of life. Students will learn the techniques used in laboratory research, including the use of microscopes and gel electrophoresis equipment.

**COURSE:** Applied Biology  
**GRADE LEVEL:** 10B  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Biology Other - 03099

**COURSE DESCRIPTION:** In course students will learn many of the concepts and principles of general biology as applied to human systems and interactions in the environment. Topics include: molecular biology, cell structure and function, genetics, evolution, ecology and a survey of the Kingdoms of life. Students will learn the techniques used in laboratory research, including the use of microscopes and gel electrophoresis equipment.

**COURSE:** Human Anatomy & Physiology  
**GRADE LEVEL:** 11/12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Biology and presently taking or passed Chemistry  
**WEIGHT:** 1.135  
**PIMS:** Biology II - 03052

**COURSE DESCRIPTION:** This course is designed for the student with an interest in biology or planning to enter a career in healthcare, athletics, science or education. This course will apply the themes of biology to the structures and the functions of the human body. This course is 75% individual learning and 25% lab work.

**COURSE:** Honors Chemistry  
**GRADE LEVEL:** 11/12H  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Physical Science and Algebra I  
**WEIGHT:** 1.135  
**PIMS:** Chemistry I - 03101

**COURSE DESCRIPTION:** This course is a laboratory science course designed to fulfill requirements for college entrance. The course surveys inorganic chemistry and includes topics such as atomic structure, the periodic table, chemical bonds, chemical equations, stoichiometry, and solutions. Problem solving and laboratory work are integral parts of this course. Students who complete this course are encouraged to take the SAT Subject Test in Chemistry.

**COURSE:** Chemistry  
**GRADE LEVEL:** 11/12A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Physical Science and Algebra I  
**WEIGHT:** 1.1  
**PIMS:** Chemistry I - 03101

**COURSE DESCRIPTION:** This course is a Laboratory Science course designed to fulfill requirements for college entrance. The course surveys inorganic chemistry and includes topics such as atomic structure, the periodic table, chemical bonds, chemical equations, and stoichiometry. Problem solving and laboratory work are integral parts of this course.

**COURSE:** Applied Chemistry  
**GRADE LEVEL:** 11/12B  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Algebra I  
**WEIGHT:** 1.0  
**PIMS:** Chemistry Other - 03149

**COURSE DESCRIPTION:** Applied Chemistry focuses on the general uses of chemistry within the community. Topics of general chemistry such as chemical equations, atomic structure, chemical bonds and acids and bases will be studied. Problem solving and some laboratory work are integral parts of this course.

**COURSE:** AP Chemistry  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Students should have successfully completed a general high school chemistry course and Algebra II.  
**WEIGHT:** 1.175  
**PIMS:**

**COURSE DESCRIPTION:** The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.  
**LABORATORY REQUIREMENT:** This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations. This includes a minimum of 16 hands-on labs, at least six of which are inquiry based.

**COURSE:** Honors Physics  
**GRADE LEVEL:** 12H  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Currently taking or passed Chemistry and Algebra II  
**WEIGHT:** 1.135  
**PIMS:** Physics I – B3151

**COURSE DESCRIPTION:** The Academic Physics course is highly inductive in its approach to the study of Newtonian physics. Emphasis will be placed on the application rather than the derivation of the formulas of physics. This will be accomplished through a systematic approach to problem solving, laboratory exercise and computer simulations. The course is designed to introduce students to the topics of mechanics (kinematics and dynamics), conservation laws (energy and momentum), quantum mechanics and quantum Electro dynamics (QED) simple harmonic motion, wave motion, light (reflection/refraction), optics (lenses and mirrors), electric circuits (series/parallel).

**COURSE:** Pre-Engineering (Elective)  
**GRADE LEVEL:** 10-12  
**COURSE LENGTH:** One Semester  
**PREREQUISITES:** Currently taking or passed Geometry  
**WEIGHT:** 1.0  
**PIMS:** General Science - 039992

**COURSE DESCRIPTION:** Pre-Engineering is a project based course for college bound students considering a career in engineering and the sciences. The course provides the student with a working knowledge of mechanical, civil/structural, electrical and bio-medical engineering. Students will learn the problem solving skills used every day by engineers around the world. Projects students will engage in are (but not limited to) include Tower and Bridge building, Mouse Trap Car & Robotics, Household Wiring & Power Distribution, Artificial Joints & Prosthetics Design. Students will learn the role that scheduling, resources, and budget have on decision making and project management along with safety and liability. Students will be expected to work 3-4 hours per week outside the classroom doing research and project building.

**COURSE:** Environmental Science  
**GRADE LEVEL:** 9-12  
**COURSE LENGTH:** One Semester  
**PREREQUISITES:** None  
**WEIGHT:** .5  
**PIMS:** Environmental Science

**COURSE DESCRIPTION:** Environmental science is an interdisciplinary science. It combines information about the natural sciences (biology, chemistry and geology) and social sciences (politics, economics and ethics) to present a general idea of how nature is interconnected to our lives. This course will have students investigate real world environmental problems such as water quality, waste disposal, pollution, global warming and renewable energy sources. Problem solving and laboratory work are integral parts of this course.

## **SOCIAL STUDIES**

**COURSE:** Honors United States History & Government I

**GRADE LEVEL:** 9 Honors

**COURSE LENGTH:** Year

**PREREQUISITES:** Teacher Recommendation

**WEIGHT:** 1.135

**PIMS:** US History to Reconstruction – 04102

**COURSE DESCRIPTION:** US History and Government I is a ninth grade course designed to teach American studies from the pre- Revolutionary period (1750's) up to the Civil War and Reconstruction. The course is chronological with a focus on the development of both the history and the formation of the American government. Concepts covered include the struggle for national unity, equality and freedom. Students also analyze and evaluate the creation and evolution of the American political system as it developed during this time period. In addition to mastery of the content, the course stresses the development of critical thinking skills, student skill in expository and creative writing, critical reading skills, research, and oral presentation. The course provides practice to ensure proficient performance on the PSSA and the Keystone Exams..

**COURSE:** United States History & Government I

**GRADE LEVEL:** 9A

**COURSE LENGTH:** Year

**PREREQUISITES:** Teacher Recommendation

**WEIGHT:** 1.1

**PIMS:** US History to Reconstruction – 04102

**COURSE DESCRIPTION:** US History and Government I is a ninth grade course designed to teach American studies from the pre- Revolutionary period (1750's) up to the Civil War and Reconstruction. The course is chronological with a focus on the development of both the history and the formation of the American government. Concepts covered include the struggle for national unity, equality and freedom. Students also analyze and evaluate the creation and evolution of the American political system as it developed during this time period. In addition to mastery of the content, the course stresses the development of critical thinking skills, student skill in expository and creative writing, critical reading skills, research, and oral presentation.

**COURSE:** United States History & Government I

**GRADE LEVEL:** 9B

**COURSE LENGTH:** Year

**PREREQUISITES:** None

**WEIGHT:** 1.0

**PIMS:** US History to Reconstruction – 04102

**COURSE DESCRIPTION:** US History and Government I is a ninth grade course designed to teach American studies from the pre- Revolutionary period (1750's) up to the Civil War and Reconstruction. The course is chronological with a focus on the development of both the history and the formation of the American government. Concepts covered include the struggle for national unity, equality and freedom. Students also analyze and evaluate the creation and evolution of the American political system as it developed during this time period. In addition to mastery of the content, the course stresses the development of critical thinking skills, student skill in expository and creative writing, critical reading skills, research, and oral presentation.

**COURSE:** Honors Interdisciplinary Studies 10  
**GRADE LEVEL:** 10 Honors  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Teacher recommendation  
**WEIGHT:** 1.135  
**PIMS:** US History Other - 04149

**COURSE DESCRIPTION:** *Interdisciplinary English 10 and US History II is a tenth grade honors course designed to teach American history through the context of the US Constitution and American literature from the beginning of the 20th Century up to the present day. The course is chronological with a focus on a number of universal themes and constitutional issues as they develop throughout modern American history and are reflected in a myriad of American written works. Students will not only develop knowledge and comprehension of people, literature, and events key to understanding the 20th century, but will also develop skills in interpreting the impact people and events had on the nation's social, economic, governmental, and political development. Students will also develop skills in research, creative writing, and oral presentation.*

**COURSE:** United States History & Government II  
**GRADE LEVEL:** 10A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** US History & Government I  
**WEIGHT:** 1.1  
**PIMS:** US History Other - 04149

**COURSE DESCRIPTION:** *US History and Government II is a tenth grade course designed to teach American studies from the beginning of the 20th Century up to the present day. The course is chronological with a focus on the development of both the history and American government. The course traces a number of universal themes and constitutional issues as they develop throughout the historical periods studied. Students will not only develop knowledge and comprehension of people and events of each period, but will also develop skills in interpreting the impact people and events had on the nation's social, economic, governmental, and political development. Students will also develop skills in research, creative writing, and oral presentation.*

**COURSE:** United States History & Government II  
**GRADE LEVEL:** 10B  
**COURSE LENGTH:** Year  
**PREREQUISITES:** US History & Government I  
**WEIGHT:** 1.0  
**PIMS:** US History Other - 04149

**COURSE DESCRIPTION:** *US History and Government II is a tenth grade course designed to teach American studies from the beginning of the 20th Century up to the present day. The course is chronological with a focus on the development of both the history and American government. The course traces a number of universal themes and constitutional issues as they develop throughout the historical periods studied. Students will not only develop knowledge and comprehension of people and events of each period, but will also develop skills in interpreting the impact people and events had on the nation's social, economic, governmental, and political development. Students will also develop skills in research, creative writing, and oral presentation.*

**COURSE:** *European History*

**GRADE LEVEL:** 11

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *Successfully completed US History and Government I and II*

**WEIGHT:** 1.0

**PIMS:**

**COURSE DESCRIPTION:** *European History focuses on developing students' understanding of European history from approximately 1450 to the Present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society) that the students explore throughout the course in order to make connections among historical developments in different times and places. This course aligns with 11 grade English.*

**COURSE:** *Advanced Placement European History*

**GRADE LEVEL:** 12

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *Students who register for this course should carry and "A" average in English and should have successfully completed ninth and tenth grade American Culture courses with an "A" average. They must be recommended by teachers and guidance counselors.*

**WEIGHT:** 1.175

**PIMS:** *AP History (European) - 04056*

**COURSE DESCRIPTION:** *The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the Present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world, poverty and prosperity, objective knowledge and subjective visions, states and other institutions of power, and individual and society) that the students explore throughout the course in order to make connections among historical developments in different times and places.*

**COURSE:** *Psychology/Economics A*

**GRADE LEVEL:** 12

**COURSE LENGTH:** *Year*

**PREREQUISITES:** *None*

**WEIGHT:** 1.1

**PIMS:** *Psychology I – 04254 & Economics - 04201*

**COURSE DESCRIPTION:** *This course is a college preparatory senior high school class. The students will have an opportunity to develop an in depth understanding of various topics in psychology and economics. The students will be able to assess these topics on a higher level using critical thinking and methods of experimentation. The psychology class will study the history and topical interests in psychology while the economics sections will gain an understanding and appreciation of the workings of the stock market and fundamental economic concepts.*

**COURSE:** Psychology/Economics B  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Psychology I – 04254 & Economics - 04201

**COURSE DESCRIPTION:** This course is designed for a basic understanding of psychological and economic topics. The students will view these concepts in a practical sense and gain an appreciation of various topics in psychology such as memory, cognitive development and information processing among others. In economics, the class will learn the basic concepts in economics while playing the stock market game and study economic theories, taxation and personal economics.

**COURSE:** History Through Film I: Selected Topics in US History  
**GRADE LEVEL:** 11 & 12 A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** US History & Government I, II

**COURSE DESCRIPTION:** This course examines Hollywood feature films and historical dramas as historical evidence. Students view movies and documentaries on various US history topics and participate in Socratic seminar discussions, complete research packets and write essays comparing that film evidence to information in more traditional sources, such as articles, film reviews and critical commentaries. The students task is to separate fantasy from fact. A major goal of this course is determining what is valid in contemporary films and historical dramas and what do these films say about the people who create them, the politics behind their creation, and how they reflect the values, ideas, and larger historical issues of the times in which they were created. Students will also determine if the story presented accurately depicts actual events. Films will cover the time periods of 1754-2000's.

**COURSE:** History Through Film II: Selected Topics in World History  
**GRADE LEVEL:** 11 & 12 A  
**COURSE LENGTH:** Year  
**PREREQUISITES:** European History  
**WEIGHT:** 1.0  
**PIMS:**

**Course description:** This course examines Hollywood feature films and historical dramas as historical evidence. Students view movies and documentaries on world history topics and participate in Socratic seminar discussions, complete research packets and write essays comparing that film evidence to information in more traditional sources, such as articles, film reviews and critical commentaries. The students task is to separate fantasy from fact. A major goal of this course is determining what is valid in contemporary films and historical dramas and what do these films say about the people who create them, the politics behind their creation, and how they reflect the values, ideas, and larger historical issues of the times in which they were created. Students will also determine if the story presented accurately depicts actual events. Films will cover the time periods of 1450-2000's.

**COURSE:** US Civics & Government A  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** None  
**WEIGHT:** 1.0  
**PIMS:** Civics - & Economics - 04201

**COURSE DESCRIPTION:** This is a full year course comprised of two subjects which will last for one semester each. In one half of the year the students will develop an understanding of the American political system as it functions in our society and relates to other systems around the world. Further items of study will focus on the US Constitution, the law and the role of the three branches of government. In the other half of the year, students will receive an understanding of the US economic system while focusing on the stock market and an introduction to economic issues in our lives.

**COURSE:** Modern World Cultures  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** US History I & II  
**WEIGHT:** 1.0 PIMS:

**COURSE DESCRIPTION:** This elective course examines global and regional issues affecting the international relations that connect the United States and the world. The cultural background and historical social, political, economic, religious, or modernization causes that have led to regional issues in Africa, the Middle East, East Asia, South Asia, Europe, and Latin America will be examined through instruction, research, discussion, and debate. Each cultural area will include a brief historical review followed by an analysis of the major countries and events that have shaped the modern world. Problem solving, conflict resolution, consensus building, diplomacy, debate, and public speaking will be utilized throughout the course, especially through active participation in United Nations simulations.

**COURSE:** AP US History  
**GRADE LEVEL:** 12  
**COURSE LENGTH:** Year  
**PREREQUISITES:** Passed  
**WEIGHT:** 1.175  
**PIMS:**

**COURSE DESCRIPTION:** The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course.

