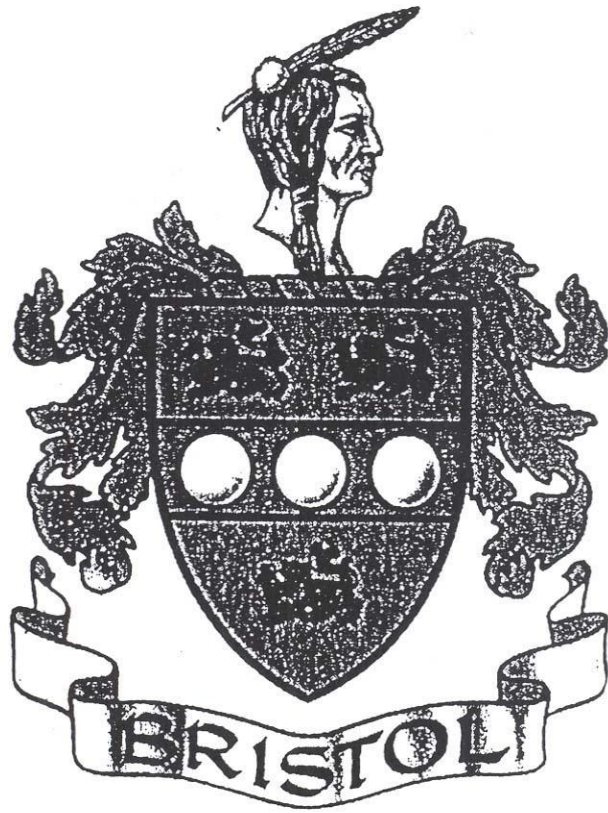


Bristol High School

Curriculum Guide



2021-2022

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.*

Students are required to complete 10 hours of service each year (grades 9 through 12). In grades 9-11 students also complete 8 journal entries. In 12th grade students write a three page paper which highlights a service experience and give a presentation about their project to a small group of peers and teacher advisors.

KEYSTONE EXAMS

The Keystone exams are end-of-course assessments designed to evaluate proficiency in academic content. Beginning with the class of 2020, 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.

THE AVID PROGRAM

AVID stands for Advancement Via Individual Determination. It is a program for “middle to upper middle” academic achieving students. AVID combines acceleration with support that includes the student’s own individual determination and the support of teachers, tutors, other AVID students, and the AVID teacher. Students must maintain 2.7 or higher GPA throughout the school year and be motivated to succeed in school. The elective courses are specialized each year to assist students in meeting specific areas of concern for that grade level and provide students with skills for studying, how to overcome points of confusion, how to advocate for themselves at school and in the workplace, and how to prepare for college and career readiness. To be admitted to the program, students must be recommended by their 8th grade teachers, have taken the PSSA, had fewer than 10 absences during a semester in the previous year, had minimal (if any) discipline referrals, and participated in an interview process. Most importantly, the student must express a desire to be in the program.

Admitted students will begin the elective during their ninth grade year. In 9th grade, the AVID elective will replace the district requirement of the Academic Literacy class. For the program to be most effective there is an expectation that students will remain AVID elective students throughout high school. AVID is designed as a four year elective class that fits in a student’s schedule within the school year. Because AVID is a scheduled class, students will receive quarterly grades as well as a final average for the class.

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 2022, 2023, 2024, 2025

<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
Total Credits =	24

** Minimum credit requirement for
promotion to 10th grade = 6

** Minimum credit requirement for
promotion to 11th grade = 12.00

** Minimum credit requirement for
promotion to 12th 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.*

ACADEMIC Level Courses

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

<i>English 9B</i>	<i>American History I</i>	<i>Applied Physical Science</i>
<i>English 10B</i>	<i>American Literature II</i>	<i>Applied Biology</i>
<i>English 11B</i>	<i>European History</i>	<i>Applied Chemistry</i>
<i>English 12B</i>	<i>History Thru Film</i>	
	<i>Economics & Global Trade</i>	
<i>Academic Lit.</i>	<i>Modern World Cultures</i>	
<i>Readiness for Algebra</i>	<i>Geometry</i>	<i>Italian I</i>
<i>Algebra I Part I</i>	<i>Applications of Math</i>	<i>Spanish I</i>
<i>Algebra I Part II</i>	<i>Statistics</i>	
<i>Algebra I</i>	<i>SAT Prep-Math</i>	
	<i>Keystone Remediation</i>	

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

A Level Course

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

<i>English 9</i>	<i>American History I</i>	<i>Physical Science</i>
<i>English 10</i>	<i>American Literature II</i>	<i>Biology</i>
<i>English 11</i>	<i>European History</i>	<i>Chemistry</i>
<i>English 12</i>		
<i>Algebra II</i>		<i>Italian 2, 3 & 4</i>
<i>Trigonometry / Pre-Calc.</i>		<i>Spanish 2, 3 & 4</i>
<i>Calculus</i>		

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

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.

Honors English 9

Interdisciplinary Studies

Honors English 11

Honors English 12

American History I

Interdisciplinary Studies

Honors Physical Science

Honors Biology

Honors Chemistry

Human Anatomy & Phys.

Honors Physics

Formula: 1.135 x student grade = quality points

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 Calculus AB

Chemistry 121

US History 151 / 152

Formula: 1.175 x student grade = quality points

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.

NCAA Core Courses

NCAA schools require college-bound student-athletes to build a foundation of high school courses to prepare them for the academic expectations in college.

Not all high school classes count as NCAA core courses. Only classes in English, math (Algebra 1 or higher), natural or physical science, social science, foreign language, comparative religion or philosophy may be approved as NCAA core courses. Remedial classes and classes completed through credit-by-exam are not considered NCAA core courses.

NCAA Credit

You can earn credit for a core course only once. If you take a course that repeats the content of another core course, you earn credit for only one of these courses and the higher grade counts toward your core-course GPA. Generally, you receive the same number of credits from the NCAA for a core course that you receive from your high school for the class. One academic semester of a class counts for .5 of a core course credit. One academic trimester of a class counts for .34 of a core-course credit. One academic quarter of a class counts for .25 of a core-course credit. A one-year class taken over a longer period of time is considered one core course and is not awarded more than one credit.

The following pages will explain to you the record courses and SAT scores if your child would like to play at the collegiate level.

DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes enrolling at an NCAA Division I school need to meet the following academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

Core-Course Requirement

Complete 16 core courses in the following areas:

ENGLISH	MATH (Algebra I or higher)	NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)	ADDITIONAL (English, math or natural/physical science)	SOCIAL SCIENCE	ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

FULL QUALIFIER

- Complete 16 core courses.
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - Seven of the 10 core courses must be in English, math or natural/physical science.
- Earn a core-course GPA of at least 2.300.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Full Qualifier

College-bound student-athletes may practice, compete and receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

Academic Redshirt

College-bound student-athletes may receive an athletics scholarship during their first year of full-time enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier

College-bound student-athletes will not be able to practice, compete or receive an athletics scholarship during their first year of full-time enrollment at an NCAA Division I school.

International Students

Please review the [international initial-eligibility flyer](#) for information and academic requirements specific to international student-athletes.

Click [here](#) for Division II academic requirements.

ACADEMIC REDSHIRT

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.



Test Scores

If a student plans to attend an NCAA Division I college or university in the 2019-20 or 2020-21 academic years, use the following charts to understand the core-course GPA he or she will need to meet NCAA Division I requirements.

A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscores from each test are used for the academic certification process.

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of **9999** to send their scores directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts **CANNOT** be used in an academic certification.

DIVISION I FULL QUALIFIER SLIDING SCALE			DIVISION I FULL QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*	Core GPA	SAT*	ACT Sum*
3.550	400	37	2.750	810	59
3.525	410	38	2.725	820	60
3.500	430	39	2.700	830	61
3.475	440	40	2.675	840	61
3.450	460	41	2.650	850	62
3.425	470	41	2.625	860	63
3.400	490	42	2.600	860	64
3.375	500	42	2.575	870	65
3.350	520	43	2.550	880	66
3.325	530	44	2.525	890	67
3.300	550	44	2.500	900	68
3.275	560	45	2.475	910	69
3.250	580	46	2.450	920	70
3.225	590	46	2.425	930	70
3.200	600	47	2.400	940	71
3.175	620	47	2.375	950	72
3.150	630	48	2.350	960	73
3.125	650	49	2.325	970	74
3.100	660	49	2.300	980	75
3.075	680	50	2.299	990	76
3.050	690	50	2.275	990	76
3.025	710	51	2.250	1000	77
3.000	720	52	2.225	1010	78
2.975	730	52	2.200	1020	79
2.950	740	53	2.175	1030	80
2.925	750	53	2.150	1040	81
2.900	750	54	2.125	1050	82
2.875	760	55	2.100	1060	83
2.850	770	56	2.075	1070	84
2.825	780	56	2.050	1080	85
2.800	790	57	2.025	1090	86
2.775	800	58	2.000	1100	86

ACADEMIC REDSHIRT

*Final concordance research between the new SAT and ACT is ongoing.

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September 2019

DIVISION II ACADEMIC REQUIREMENTS

CORE-COURSE REQUIREMENTS

Complete 16 core courses in the following areas:



FULL QUALIFIER

College-bound student-athletes enrolling at an NCAA Division II school need to meet these academic requirements to practice, compete and receive an athletics scholarship in their first year of full-time enrollment.

- Complete 16 core courses in the appropriate areas.
- Earn a core-course GPA of at least 2.200.
- Earn an SAT combined score or ACT sum score matching the core-course GPA on the Division II full qualifier sliding scale.
- Submit proof of graduation to the Eligibility Center.

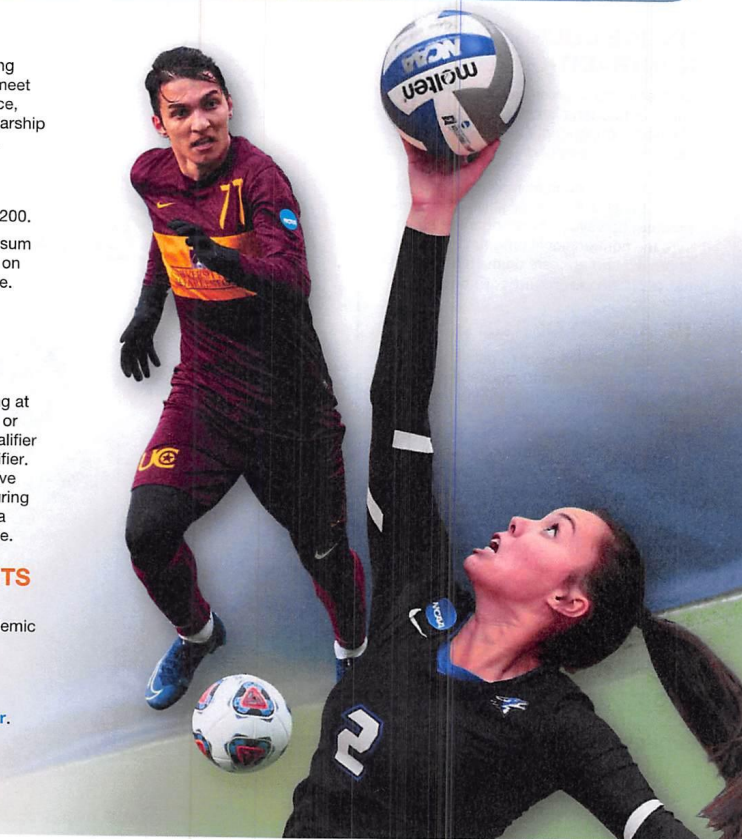
PARTIAL QUALIFIER

College-bound student-athletes enrolling at an NCAA member school Aug. 1, 2021, or later, that do not meet Division II full qualifier standards will be deemed a partial qualifier. All Division II partial qualifiers may receive an athletics scholarship and practice during their first year of full-time enrollment at a Division II school, but may NOT compete.

INTERNATIONAL STUDENTS

Please review the [international initial-eligibility flyer](#) for information and academic requirements specific to international student-athletes.

For information on Division I, view the [Division I academic requirements flyer](#).



TEST SCORES

If a student-athlete plans to attend an NCAA Division II college or university, they should use the sliding scale to review the core-course GPA and SAT/ACT score they will need to meet Division II full qualifier standards. More information regarding the impact of COVID-19 and test scores can be found at on.ncaa.com/COVID19_Fall_B.

A combined SAT score is calculated by adding critical reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. Students may take the SAT or ACT an unlimited number of times before they enroll full time in college. If a student takes either test more than once, the best subscores from each test are used for their academic certification process.

CORE-COURSE LIST

Student-athletes should check to see if their high school has a [list of NCAA-approved core courses](#). No core-course list means courses taken from that high school will not count toward NCAA eligibility.

ONLINE COURSES/ NONTRADITIONAL

Nontraditional courses are classes taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on the high school's [list of NCAA-approved core courses](#).

BE AHEAD OF THE GAME

If student-athletes want to get ahead of the game, they need to register with the [NCAA Eligibility Center](#) during their freshman/9th year.

After college-bound student-athletes complete their sophomore, junior and senior years, it is important for them to ask their counselor at each high school or program they attended to upload their official transcript to their Eligibility Center account.

For more information on Division II, visit ncaa.org/D2.

Want more information? Visit ncaa.org/playcollegesports.

Follow us: [@ncaaec](#) [@playcollegesports](#) [@ncaaec](#)

DIVISION II FULL QUALIFIER SLIDING SCALE					
Core GPA	SAT*	ACT Sum*	Core GPA	SAT*	ACT Sum*
3.300 & above	400	37	2.725	730	52
3.275	410	38	2.700	740	53
3.250	430	39	2.675	750	53
3.225	440	40	2.650	750	54
3.200	460	41	2.625	760	55
3.175	470	41	2.600	770	56
3.150	490	42	2.575	780	56
3.125	500	42	2.550	790	57
3.100	520	43	2.525	800	58
3.075	530	44	2.500	810	59
3.050	550	44	2.475	820	60
3.025	560	45	2.450	830	61
3.000	580	46	2.425	840	61
2.975	590	46	2.400	850	62
2.950	600	47	2.375	860	63
2.925	620	47	2.350	860	64
2.900	630	48	2.325	870	65
2.875	650	49	2.300	880	66
2.850	660	49	2.275	890	67
2.825	680	50	2.250	900	68
2.800	690	50	2.225	910	69
2.775	710	51	2.200	920	70 & above
2.750	720	52			

*Full sliding scale research between the SAT and ACT is ongoing.

NCAA Division II
MAKE IT YOURS.



February 2021
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ART

COURSE: Art 1
GRADE LEVEL: 9-12
COURSE LENGTH: Semester
PREREQUISITES: None
WEIGHT: 1.0
PIMS: Art Elective - 1402
NCAA COURSE: No

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 1 with a grade C or better
WEIGHT: 1.0
PIMS: Art Elective - 1402
NCAA COURSE: No

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 /4
GRADE LEVEL: 10-12
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
NCAA COURSE: No

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 - 12104
NCAA COURSE: No

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 operations in using the computer for automated Accounting work will also be offered.

COURSE: Coding
GRADE LEVEL: 9-12
COURSE LENGTH: Semester
PREREQUISITES: None
WEIGHT: 1.0
PIMS: Computer Programming - 10152
NCAA COURSE: No

COURSE DESCRIPTION: Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students will achieve an intermediate level skill set in JavaScript language. A goal of Computer Science Principles is to create leaders in computer science fields and attract and engage those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities.

COURSE: Financial Literacy
GRADE LEVEL: 9-12
COURSE LENGTH: Semester
PREREQUISITES: None
WEIGHT: 1.0
PIMS: Finance - 12103
NCAA COURSE: No

COURSE DESCRIPTION: Financial Literacy for High School is a digital education program that teaches students how to make wise financial decisions to promote financial well-being over their lifetime. The interactive lessons in this financial literacy course translate complex financial concepts and help students develop actionable strategies for managing their finances. Immersive digital environments and diverse characters bring modern, relevant financial education objectives to life. Students accelerate their financial understanding through problem-solving, self-reflection and games that provide real-life scenarios for practice.

COURSE: *Intro. To Business*
GRADE LEVEL: 9-12
COURSE LENGTH: *Semester*
PREREQUISITES: *None*
WEIGHT: 1.0
PIMS: *Business - 12051*
NCAA COURSE: *No*

COURSE DESCRIPTION: *Introduction to Business provides explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. The course includes current business examples from a range of industries and geographic locations, which feature a variety of individuals. Emphasis is placed on the human element as it impacts the decisions made within the business environment.*

COURSE: *Microsoft Applications*
GRADE LEVEL: 9-12
COURSE LENGTH: *Semester*
PREREQUISITES: *None*
WEIGHT: 1.0
PIMS: *Computer Applications - 10004*
NCAA COURSE: *No*

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

COURSE: *Web Development*
GRADE LEVEL: 10-12
COURS LENGTH: *One Semester*
PREREQUISITES: *Computer Applications I*
WEIGHT: 1.0
PIMS: *Web Page Design - 10201*
NCAA COURSE: *No*

In this project-based course the students will learn to create web pages and edit images using Gimp. Web Development introduces HTML (HyperText Mark-Up Language) which provides the foundation for building web sites. The students will use their creativity as they build websites on topics of their choice!

ENGLISH

COURSE: Academic Literacy

GRADE LEVEL: 9

COURSE LENGTH: Year

PREREQUISITES: None

WEIGHT: 1.0

PIMS: English/Literature (freshmen) - 01051

NCAA COURSE: No

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: 9H

COURSE LENGTH: Year

PREREQUISITES: Teacher recommendation

WEIGHT: 1.135

PIMS: English/Language Arts I - 01001

NCAA COURSE: Yes

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. The course traces a number of universal themes established through these various works and selected texts. The Honors English 9 class will explore and connect both canonical and contemporary literature selections. In addition to mastery of literary content, the course stresses the development of critical thinking skills through written and oral evaluation; class discussion is a hallmark of the honors program. This course will also aid in the development of student skills in expository and creative writing, Keystone test taking strategies, and oral presentation. Grammar and vocabulary skills will be taught through contextual study.

COURSE: English 9 – Literature Genre Study

GRADE LEVEL: 9

COURSE LENGTH: Year

PREREQUISITES: None

WEIGHT: 1.1

PIMS: English/Language Arts I – 01001

NCAA COURSE: Yes

COURSE DESCRIPTION: English 9 is a literature survey course and will explore short story, novel, drama, and poetry. The course will explore universal themes established in these selections. In addition to mastery of literary content, the course develops 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. Grammar and vocabulary skills will be taught through contextual study.

COURSE: English 9 – Introduction to Literature
GRADE LEVEL: 9B
COURSE LENGTH: Year
PREREQUISITES: Teacher recommendation
WEIGHT: 1.0
PIMS: English/Language Arts I – 01001
NCAA COURSE: No

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.

This year long course is geared toward the student who is undecided regarding their post-secondary plans, but is considering entering either college, trade school, armed forces, or the work-force.

COURSE: Interdisciplinary American Studies 10
GRADE LEVEL: 10H
COURSE LENGTH: Year
PREREQUISITES: English 9, Social Studies 9 and Teacher Recommendation
WEIGHT: 1.135
PIMS: English/Language Arts II - 01002
NCAA COURSE: Yes

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
WEIGHT: 1.1
PIMS: English/Language Arts II - 01002
NCAA COURSE: Yes

COURSE DESCRIPTION: This year-long course is designed to cover American literature from the late 19th century to the present. Reading and writing are an integral, constant part of the program. Keystone testing and independent reading comprehension strategies are taught. Special emphasis is given to skills required for effective literary analysis through regular written assignments and essays. Higher level thinking skills are taught and practiced. Vocabulary and grammar are covered through the writings, readings, and units of study. Speaking skills will be addressed through formal presentations.

COURSE: English 10 - American Literature
GRADE LEVEL: 10B
COURSE LENGTH: Year
PREREQUISITES: English 9 and Teacher recommendation
WEIGHT: 1.0
PIMS: English/Language Arts II - 01002
NCAA COURSE: No

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: 11H
COURSE LENGTH: Year
PREREQUISITES: English 9, 10, and Teacher Recommendation
WEIGHT: 1.135
PIMS: English/Language Arts IV – 01004
NCAA COURSE: Yes

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 and cover letter. 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 11 – British & European Literature

GRADE LEVEL: 11

COURSE LENGTH: Year

PREREQUISITES: English 9, 10

WEIGHT: 1.1

PIMS: English/Language Arts IV - 01004

NCAA COURSE: Yes

COURSE DESCRIPTION: The year-long course focuses on British and European literature of varying topics, as well as contemporary novels and short stories which connect thematically. Composition requirements include critical and persuasive essays, literary interpretations, satirical essay, and creative / poetic and writing. An emphasis is also placed on creating a working plan for life after high school that includes knowledge of the college application and admittance process, application essay writing, and creation of a working resume and cover letter. Students are given information regarding secondary educational options such as technical and trade schools, two year programs, and four year college/university programs. Grammar skills, vocabulary, and public speaking are also integral components of the course. Composition requirements include persuasive essay, literature interpretations, journal and reflection writing, creative, and poetic writing.

COURSE: English 11 – British & European Literature

GRADE LEVEL: 11B

COURSE LENGTH: Year

PREREQUISITES: English 9, 10 and Teacher Recommendation

WEIGHT: 1.0

PIMS: English/Language Arts IV - 01004

NCAA COURSE: No

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. The creation of a working resume and cover letter 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.

This year long course is geared toward the student who is undecided regarding their post-secondary plans, but is considering entering either college, trade school, armed forces, or the work-force.

COURSE: Honors English 12– Great Works

GRADE LEVEL: 12H

COURSE LENGTH: Year

PREREQUISITES: English 9, 10, 11 and Teacher Recommendation

WEIGHT: 1.135

PIMS: English/Language Arts IV - 01004

NCAA COURSE: Yes

COURSE DESCRIPTION: *This year long course is designed for the highly motivated, college bound student. Students will focus on college essay and college application completion. Extensive reading assignments are given at an accelerated pace and focus on a collection of great works. 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 necessary for success in college courses in literature and composition. Close reading skills and a working knowledge of literacy terminology are stringently assessed.*

COURSE: English 12-Great Works

GRADE LEVEL: 12

COURSE LENGTH: Year

PREREQUISITES: English 9, 10, 11

WEIGHT: 1.1

PIMS: English/Language Arts IV - 01004

NCAA COURSE: Yes

COURSE DESCRIPTION:

This year long course is geared toward the student who may be undecided regarding their post-secondary plans, but is considering entering college, trade school, the armed forces, or the work-force. It is designed to provide mastery in Language Arts skills: reading, analysis of 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. The course is designed to help develop writing skills expected in college courses as well as business/technical writing skills expected in the work-force. 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. An emphasis will be placed on creating a working plan for life after high school. Students will be given information regarding various continuing education options.

COURSE: English 12 – Contemporary English

GRADE LEVEL: 12B

COURSE LENGTH: Year

PREREQUISITES: English 9, 10, 11 and Teacher Recommendation

WEIGHT: 1.0

PIMS: English/Language Arts IV - 01004

NCAA COURSE: No

COURSE DESCRIPTION: *This year long course is geared toward the student who is undecided regarding their post-secondary plans, but is considering entering either college, trade school, armed forces, or the work-force. 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.*

FAMILY & CONSUMER SCIENCE

Course: Career Planning

Grade Level: 9-12

Course Length: Semester

Prerequisite: none

Weight: 1.0

PIMS: Career Exploration - 22151

NCAA COURSE: No

Course Description: This course focuses on preparing for a career. Students will learn social-emotional skills such as self-awareness. Interpersonal skills such as time management and problem-solving will be practiced. Students will analyze personal strengths and interests as related to career clusters and specific careers. Students will create a personal plan for continuing education after high school. Critical thinking, independent reading, internet research, oral presentations, class discussion and journaling skills are required.

Course: College Planning

Grade Level: 10-12

Course Length: Semester

Prerequisite: none

Weight: 1.0

PIMS: Personal Development - 22209

NCAA COURSE: No

Course Description: This course focuses on preparing for post-high school education. Students will assess their needs, wants and resources. Students will write values-based goals, research training paths, practice standardized testing, explore educational opportunities and research specific colleges. Students will understand the responsibility of paying for education, including creating a personal plan. Critical thinking, independent reading, internet research, oral presentations, class discussion and journaling skills are required.

Course: Food for Thought

Grade Level: 9-12

Course Length: Semester

Prerequisite: none

Weight: 1.0

PIMS: Nutrition - 22202

NCAA COURSE: No

Course Description: This course is designed to introduce healthy and sustainable food habits to improve overall wellness. Basic concepts of nutrition, including reading labels, understanding nutritional needs and knowing how diet can reduce the risks of certain diseases will be taught. Students will become familiar with the U.S. food supply system, including strategies for avoiding foodborne diseases foodborne illnesses critical thinking, independent reading, internet research, oral presentation, class discussions and cooperative learning skills are required.

FOREIGN LANGUAGE

COURSE: Italian I
GRADE LEVEL: 9-12
COURSE LENGTH: Year
PREREQUISITES: None
WEIGHT: 1.0
PIMS: Italian I - 06141
NCAA COURSE: Yes

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 II
GRADE LEVEL: 10-12
COURSE LENGTH: Year
PREREQUISITES: Italian I
WEIGHT: 1.1
PIMS: Italian II - 06142
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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: 1.1
PIMS: Spanish II - 06102
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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.

ELECTIVE:

COURSE: World Current Events
GRADE LEVEL: 9-12
COURSE LENGTH: Year
PREREQUISITES: None
WEIGHT: 1.0
PIMS: Contemporary World Issues - 04064
NCAA COURSE: No

Current Events is an exploratory class where we will do a daily examination of news from a multitude of sources. We will determine significant events and types of stories and how they fit into our lives.

We will compare the historical perspectives to news and crucial world events. The class will define and learn about prominent and ever-changing social and political groups and leaders of our country, along with other news-making countries from around the world.

Using social media, TV, magazines, and newspapers the students will answer and raise questions for discussion. They will also use those mediums of communication to compare and debate critical issues of our country and beyond.

The sources and credibility of sources will be dissected for many topics also looking for bias. Students will acquire the knowledge and skills to gather, analyze and apply information and ideas. They will be able to communicate effectively, recognize and problem solve, and form responsible decisions as members of society.

This is an ongoing course that can be repeated yearly due to the ever-changing world.

HEALTH & PHYSICAL EDUCATION

COURSE: Health Education

GRADE LEVEL: 9 - 12

COURSE LENGTH: Semester

PREREQUISITES: None

WEIGHT: 1.0

PIMS: Health & Education - 08051

NCAA COURSE: No

COURSE DESCRIPTION: *The object of Health Education is to establish in students the importance of making healthy choices. Students face many important decisions every day and the choices they make can greatly affect their futures. It is the hope of the instructors that students will realize that the choices they make today will greatly affect them later on in life. Healthy habits are important for achieving success in personal, family and community life.*

COURSE: Physical Education

GRADE LEVEL: 9-12

COURSE LENGTH: Semester

PREREQUISITES: None

WEIGHT: 1.0

PIMS: Physical Education - 02001

NCAA COURSE: No

COURSE DESCRIPTION: *Physical Education provides guidance and instruction through physical activities designed to help students develop fitness and recreational skills. There is a strong emphasis on developing life-long skills that can be carried into adulthood. It is the hope of the instructors that students will develop respect for their bodies and continue to take care of themselves after the class is finished.*

COURSE: Wellness

GRADE LEVEL: 9 - 12

COURSE LENGTH: Semester

PREREQUISITES: None

WEIGHT: 1.0

PIMS: Health & Education - 08051

NCAA COURSE: No

COURSE DESCRIPTION: *The aspects of wellness that are important for overall well-being are physical health, mental health, emotional health and social health. This course will provide information in these four domains. Students will learn how positive wellness habits will help them to stay healthy in the future. Consequently, negative wellness habits may result in diseases, obesity, shorter life expectancy and a low quality of life. It is the hope of the instructor that students will practice meditation and yoga in order to reduce stress and increase physical fitness.*

MATH

COURSE: Readiness for Algebra

GRADE LEVEL: 9

COURSE LENGTH: Year

PREREQUISITES: Teacher recommendation and principal approval

WEIGHT: 1.0

PIMS: Algebra I - 02052

NCAA COURSE: No

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: Teacher recommendation

WEIGHT: 1.0

PIMS: Algebra I - 02053

NCAA COURSE: Yes

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

GRADE LEVEL: 9-11

COURSE LENGTH: Year

PREREQUISITES: Teacher recommendation and Principal approval

WEIGHT: 1.0

PIMS: Algebra 1A - 02053

NCAA COURSE: Yes (.5)

COURSE DESCRIPTION: Expressions (simplifying, combining like terms, evaluating), Real Number System (properties, finding square roots, distributive property), Equations (solving one-, two-, multi-step, absolute value and literal equations), Ratios and Proportions, Plotting Points, Linear Equations (graphing, using intercepts, finding slope, using slope-intercept form, point-slope form, standard form, parallel and perpendicular), Linear Inequalities (one-, two- and multi-step inequalities, compound inequalities, absolute value, and graphing).

COURSE: Algebra 1 – Part 2

GRADE LEVEL: 9-11

COURSE LENGTH: Year

PREREQUISITES: Teacher recommendation and Principal approval

WEIGHT: 1.0

PIMS: Algebra 1B - 02054

NCAA COURSE: Yes (.5)

COURSE DESCRIPTION: First semester, we review the topics from Part 1, then move onto new material. Systems of Equations and Inequalities, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Equations and Functions, Probability and Data Analysis.

COURSE: Personal Finance

GRADE LEVEL: 10-12

COURSE LENGTH: Semester

PREREQUISITES: None

WEIGHT: 1.0

PIMS: Banking & Finance - 12101

NCAA COURSE: No

COURSE DESCRIPTION: Students will apply math skills to solve problems in personal situations. Topics include: making money and understanding your paycheck, banking concepts, developing a good credit score, charge accounts, loans, vehicle costs, and housing costs.

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: 1.1

PIMS: Algebra II – 02056

NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: Yes

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
NCAA COURSE: No

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
NCAA COURSE: Yes

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: *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: *Math Test Prep - 02993*

NCAA COURSE: *No*

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: *SAT Prep - Math*

GRADE LEVEL: *10-12*

COURSE LENGTH: *Semester*

PREREQUISITES: *Algebra I and the Geometry Elective*

WEIGHT: *1.0*

PIMS: *Math Test Prep - 02993*

NCAA COURSE: *No*

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: *Introduction to Piano 1 / Introduction to Piano 2*

GRADE LEVEL: 9-12

COURSE LENGTH: *Semester*

PREREQUISITES: *None*

WEIGHT: 1.0

PIMS: *Piano - 05107*

NCAA COURSE: *No*

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 (Band)*

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*

NCAA COURSE: *No*

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: *Music Through Coding*

GRADE LEVEL: 9-12

COURSE LENGTH: *Semester*

PREREQUISITES: *None*

WEIGHT: 1.0

PIMS: *Music-Other - 05149*

NCAA COURSE: *No*

COURSE DESCRIPTION: *Music through Coding is a course designed for students to learn about music through coding and coding through music. Over the course of a semester students will learn how to write code and music using the Python programming language and a web based digital audio workstation called EarSketch. Students will learn the basics or expand upon previous knowledge of both computer programming languages and electronic music production.*

COURSE: *Electronic Music*
GRADE LEVEL: 9-12
COURSE LENGTH: *One Semester*
PREREQUISITES: *Musical experience is highly recommended.*
WEIGHT: 1.0
PIMS: *Music-Other - 05149*
NCAA COURSE: *No*

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.*

COURSE: *Musical Theory/Composition*
GRADE LEVEL: 9-12
COURSE LENGTH: *Semester*
PREREQUISITES: *None*
WEIGHT: 1.0
PIMS: *Music-Other - 05149*
NCAA COURSE: *No*

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: *Music Genre*
GRADE LEVEL: 9-12
COURSE LENGTH: *Semester*
PREREQUISITES: *None*
WEIGHT: 1.0
PIMS: *Music-Other - 05149*
NCAA COURSE: *No*

COURSE DESCRIPTION: *A Music genre is a study of the many different musical styles that have happened throughout our musical history. This course is designed to expose students to these different styles by listening, seeing, and experiencing how music has changed overtime and how it has evolved into the music we listen to today. Genres discussed (but not limited to) include: Chant, Middle Ages, Classical, Jazz, Pop, Rock, RnB, Rap, etc.*

SCIENCE

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

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: 9
COURSE LENGTH: Year
PREREQUISITES: None
WEIGHT: 1.1
PIMS: Physical Science - 031592
NCAA COURSE: Yes

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
NCAA COURSE: No

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
NCAA COURSE: Yes

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: 10
COURSE LENGTH: Year
PREREQUISITES: Physical Science
WEIGHT: 1.1
PIMS: Biology I – B3051
NCAA COURSE: Yes

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
NCAA COURSE: No

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

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: 11/12
COURSE LENGTH: Year
PREREQUISITES: Physical Science and Algebra I
WEIGHT: 1.1
PIMS: Chemistry I - 03101
NCAA COURSE: Yes

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
NCAA COURSE: No

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: Chemistry 121 (BCCC)

GRADE LEVEL: 12

COURSE LENGTH: Year

PREREQUISITES: Students should have successfully completed a general high school chemistry course and Algebra II.

WEIGHT: 1.175 (4 credits BCCC)

PIMS: Advanced Placement Chemistry - 03106

NCAA COURSE: Yes

COURSE DESCRIPTION: This Chemistry course provides students with a college-level foundation to support future advanced coursework 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. Students will receive 4 college credits from Bucks County Community College.

COURSE: Human Anatomy & Physiology

GRADE LEVEL: 11/12

COURSE LENGTH: Year

PREREQUISITES: Biology and presently taking or passed Chemistry

WEIGHT: 1.135

PIMS: Anatomy/Physiology - 03053

NCAA COURSE: Yes

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 Physics

GRADE LEVEL: 12H

COURSE LENGTH: Year

PREREQUISITES: Currently taking or passed Chemistry and Algebra II

WEIGHT: 1.135

PIMS: Physics I – 03151

NCAA COURSE: Yes

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).

ELECTIVE:

COURSE: Pre-Engineering (Elective)

GRADE LEVEL: 10, 11, 12

COURSE LENGTH: Semester

PREREQUISITES: Currently taking or passed Geometry

WEIGHT: 1.0

PIMS: Principles of Engineering - 21004

NCAA COURSE: No

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 biomedical 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.

SOCIAL STUDIES

COURSE: Honors American History I

GRADE LEVEL: 9 Honors

COURSE LENGTH: Year

PREREQUISITES: Teacher Recommendation

WEIGHT: 1.135

PIMS: US History to Reconstruction – 04102

NCAA COURSE: Yes

COURSE DESCRIPTION: American History 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 Keystone Exams.

COURSE: American History I

GRADE LEVEL: 9

COURSE LENGTH: Year

PREREQUISITES: Teacher Recommendation

WEIGHT: 1.1

PIMS: US History to Reconstruction – 04102

NCAA COURSE: Yes

COURSE DESCRIPTION: American History 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 organization and note-making expository and creative writing, critical reading skills, research, and oral presentation.

COURSE: *American History I*
GRADE LEVEL: 9B
COURSE LENGTH: Year
PREREQUISITES: None
WEIGHT: 1.0
PIMS: *US History to Reconstruction – 04102*
NCAA: No

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, oral presentation, and argument, digital presentations.*

COURSE: *Honors Interdisciplinary Studies 10*
GRADE LEVEL: 10 Honors
COURSE LENGTH: Year
PREREQUISITES: *Teacher recommendation & Successful completion of American History I*
WEIGHT: 1.135
PIMS: *US History Other - 04149*
NCAA COURSE: Yes

COURSE DESCRIPTION: *Interdisciplinary English 10 and American 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, creative analysis, research, presentation, and argumentation.*

COURSE: *American History II*

GRADE LEVEL: 10

COURSE LENGTH: *Year*

PREREQUISITES: *Teacher recommendation & Successful completion of American History I*

WEIGHT: 1.1

PIMS: *US History Other - 04149*

NCAA COURSE: *Yes*

COURSE DESCRIPTION: *American History 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: *American History II*

GRADE LEVEL: 10B

COURSE LENGTH: *Year*

PREREQUISITES: *American History 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 American History I & II*

WEIGHT: 1.0

PIMS: *Modern European History - 04055*

NCAA COURSE: *No*

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: 11 or 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

NCAA COURSE: Yes

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.

12th Grade Choices

COURSE: History Through Film I: Selected Topics in US History

GRADE LEVEL: 11 & 12

COURSE LENGTH: Year

PREREQUISITES: US History & Government I, II

WEIGHT: 1.0

PIMS: World History Other - 04099

NCAA COURSE: Yes

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 student's 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 created and taught by: Mr. Werner

COURSE: *Introduction to Economics & Global Trade Relations*
GRADE LEVEL: 12
COURSE LENGTH: *Year*
PREREQUISITES: *None*
WEIGHT: 1.0
PIMS: 04990
NCAA COURSE:

COURSE DESCRIPTION: *The first semester will introduce students to the basic concepts of economics, through the stock market game while studying economic theories, taxation and personal finance. The second semester will focus on international economic concepts, systems and relations. The course is designed so that students are able to analyze decision-making and the interactions between individuals, households, businesses, governments, and societies.*
***Course created and taught by: Mr. Esposito*

COURSE: *Modern World Cultures*
GRADE LEVEL: 12
COURSE LENGTH: *Year*
PREREQUISITES: *US History I & II*
WEIGHT: 1.0
PIMS: *World Culture - 04062*
NCAA COURSE: *Yes*

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 created and taught by: Mr. McGinn

COURSE: Hist. 151: US History: Young America (BCCC)

GRADE LEVEL: 12/College

COURSE LENGTH: 1 Semester

PREREQUISITES: Successful completion of AP Euro or had an average of 90 or better in European History A

WEIGHT: 1.175 & 3 Credits BCCC

PIMS: US History other - 04149

NCAA COURSE: Yes

COURSE DESCRIPTION: This course explores U.S. history from European colonization until the end of the Civil War. Students critically examine the social, cultural, economic, and political dynamics of America's agrarian age. Students will be able to: demonstrate an understanding of U.S. history, and the relationships and conflicts between the diverse peoples of North America, from the colonial era to the end of the Civil War [Diversity]; critically analyze and evaluate competing points of view and voices in early American history [Critical Thinking]; demonstrate an understanding of the social and political systems, economies, and cultures of the various African, European, and Native American societies, from the colonial era to the end of the Civil War [Arts/Humanities]; identify the major reasons for the start and later victory of the American Revolution; describe the rise of the United States as a nation domestically and internationally during the Antebellum Period; demonstrate an understanding of the reasons for and process of American expansion during the Antebellum Period and its impact on American society, culture, and politics; and identify the causes and course of the American Civil War.

*Note: You must get a B or higher to get the college credit

Course taught by: Mr. Werner

COURSE: Hist. 152: US History: Modern America (BCCC)

GRADE LEVEL: 12/College

COURSE LENGTH: 1 Semester

PREREQUISITES: Successful completion of AP Euro or had an average of 90 or better in European History A

WEIGHT: 1.175 & 3 Credits BCCC

PIMS: US History other - 04149

NCAA COURSE: Yes

COURSE DESCRIPTION: Students explore America's transformation into an industrial and global power since the Reconstruction era. Topics critically examined include: immigration, modernization, struggles for race, class, gender, and sexual equality, nationalism, world war, and broad social, economic, and cultural change. Students will be able to: demonstrate an understanding of the history of the United States, and the relationships and conflicts between diverse Americans, from the Reconstruction era to the beginning of the twenty-first century; critically analyze and evaluate competing points of view and voices in modern American history [Critical Thinking]; identify events, politics, social systems, economic arrangements, and ideologies that set the framework for modern race relations in the U.S. [Diversity]; examine the Reconstruction Era's broad effects in setting the framework American politics, economics, and social systems in the 20th century; identify the major intellectual, technological, and cultural developments of the Progressive Era and World War I [Arts/Humanities]; demonstrate an understanding of intellectual and cultural history of the Roaring 20s and the Great Depression [Arts/Humanities]; and demonstrate an understanding of the WWII home front and warfront; and demonstrate an understanding of the cold war and post-cold war periods.

*Note: You must get a B or higher to get the college credit.

Course taught by: Mr. Werner