2017-2018

SPRINGFIELD LOCAL HIGH SCHOOL

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New Middletown, Ohio 44442-9738
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Anthony DeFelice — ***Principal***

Jeff Hogg — ***Guidance Counselor***

Springfield Local High School Students and Parents:

The purpose of this ***Curriculum and Registration Guide*** *is to provide you with the information you need to select courses from the curriculum we offer. The faculty and administration are proud of the course offerings described in this booklet. The courses of study are a result of their efforts, energy, and expertise. These courses have been designed to meet the individual needs of students and the requirements of post-secondary schools and the world of work.*

Graduation requirements are explained in the Registration guide. All students must have a minimum of 20 credits and meet the Ohio Department of Education graduation test(s) requirements. We encourage all students to take more than the minimum number of courses to graduate in order to get the best possible high school education.

We recommend that students seek the advice of parents, teachers, and the guidance counselor when making their course selections. If you still need further assistance, do not hesitate to ask for our help.

Sincerely,

Anthony DeFelice, Principal

Jeff Hogg, Counselor

TABLE OF CONTENTS

REGISTRATION INSTRUCTIONS

1) The purpose of the Curriculum and Registration guide is to provide you with the information you need to select courses from the curriculum offered at Springfield Local High School. **If there are not enough students registered for a course, it will not be offered and you will be asked to register for another course**. It is recommended that you seek the advice of your parents, guidance counselor, and teachers when making your course selections.

2). Every student **must enroll in at least 6 classes each semester** which will lead to at least 5 3/4 credits earned per year. Seniors may register for 5 classes.

3). Prerequisites are established in order to prepare students for certain courses. Any student taking a class who does not meet the prerequisites set forth in the curriculum guide will not be admitted to the course unless a parent waiver is signed. Any course where a prerequisite is not given may be taken by any student in the appropriate grade level.

4). Journalism is **not** considered an English credit.

5). Physical Education is required of all 9th and 10th grade students. PE can be waived by participation in school sponsored sports, band and cheerleading.

6). Health is required of all 9th grade students.

7). CBIP students must meet the same graduation requirements as other students. **You must apply before the beginning of the school year.**

8). Each student must have a lunch period, but may schedule 7 classes per semester.

9). Springfield local students who enroll at the **Mahoning County Career and Technical Center** will be under the same graduation requirements.

10). Students have 5 school days to add or drop a class – including 2nd semester classes.

11). Occasionally a student wants to re-take a class. This is permitted only if the student had a D or an F. Both grades will be reported on the High School transcript and count towards the GPA. Students will only be awarded one credit should they have received a letter grade of a D on the first attempt.

GRADUATION AND PROMOTION POLICY

Promotion to grade 9	Completing grade 8
Promotion to grade 10	5 credits
Promotion to grade 11	10 credits
Promotion to grade 12	15 credits

GRADUATION REQUIREMENTS

The state of Ohio or the Springfield Local Board of Education prescribe the following as the minimum course areas and credit distribution required for receipt of a high school diploma in this school district.

	Credits
English	4.00
Social Studies **(Global/US1, Global/US2, Government)**	3.00
Mathematics	4.00
Science	3.00
Health	.50
Physical Education	.50
Business, Fine Arts, Foreign Language, or Tech.	1.00
Electives	4.00
TOTAL CREDITS	20.00

It is the responsibility of the student to make sure that all requirements for graduation are met and all Ohio Graduation tests are passed.

How to access information (practice tests, previous tests) on the web about the OGT:

http://www.success.ode.state.oh.us/

It is the responsibility of the student/parent/guardian to review Ohio's Option For a High School Diploma to familiarize oneself with the various pathways to earn a high school diploma.

Please visit: http://www.education.ohio.gov/options

HIGH SCHOOL DIPLOMA

In order to receive a high school diploma, a student must pass the Ohio Graduation Test and earn at least 20 credits.

HONORS DIPLOMA

Beginning with the Class of 2011 the student who completes the college preparatory curriculum in high school must meet any **seven** of the following **eight** criteria in addition to the requirements for the regular diploma:

1) four units of English

2) four units of Mathematics that include Algebra 1, Geometry, Algebra 2, and another higher level course or a four-year sequence of courses that contain equivalent content

3) four units of Science including Chemistry and Physics

4) four units of Social Studies

5) either three units of one Foreign Language or two units each of two Foreign Languages

6) one unit of Fine Arts

7) maintain an overall high school grade point average of at least 3.5 on a 4 point scale up to the last grading period of the senior year

8) a composite score of 27 on the American College Testing (ACT) test or a composite score of 1210 on the Scholastic Assessment Test (SAT). (Read, Mat

ACADEMIC PROGRAM

9TH Grade

College English 9
Algebra 1
Integrated Science 1
Foreign Language 1
Physical Education/Health
Band, or Choir
Global/US1

10TH Grade

College English 10
Geometry
Biology
Foreign Language 2
Global/US2
Technology
Physical Education

11th Grade

College English 11
Algebra 2
Government
* Chemistry
Foreign Language 3
One Elective

12th Grade

College English 12
Psychology & Economics
*Physics
*Math Analysis
One Elective

Electives that should be taken by students who are interested in STEM careers are denoted by an asterisk (*).

Information regarding National Honor Society, Academic Letter, GPA, Class Rank and the Valedictorian/Salutatorian ranking are found in the student handbook.

NCAA Requirements: For NCAA eligibility standards, please go online @www.ncaaclearinghouse.net.

ELECTIVE COURSES

Remember:

All students **must** take at least six courses each semester.

Listed below are electives students may choose to complete their schedules. One fine art credit is required for college entrance. Electives denoted by an (*) meet the fine arts requirement.

AP History
Journalism
Psychology
Economics
Introduction to Business
Accounting
Finance
Computer Applications
Internet and WWW
Multimedia
*Band
*Choir
*Concert Choir
*Art
*Advanced Art
*Music Appreciation
Intro to Family and Consumer Science
Personal Wellness and Development
Nutrition and Wellness
Career and College Readiness
Textile Design, Construction, and Maintenance
Child Development
Sewing Techniques
Spanish
Sentinel/Broadcast Journalism
Journalism/Introduction to Broadcast Journalism
Yearbook

English Curriculum

COURSE TITLE WHO CAN TAKE IT LENGTH CREDIT EARNED

Academic Study Skills Freshmen Full Year 1 Credit

An orientation class required for all freshmen* designed to help them transition to the rigors and demands of high school coursework. Emphasis is on skills needed for success such as (but not limited to) note-taking, organizational practices, study techniques, etc. Special attention is paid to reading comprehension, vocabulary building, and writing fluency.

***Students earning an A or B in 8th grade Language Arts may seek exemption from the course through the high school principal or designee.**

College English 9 Freshmen Full Year 1 Credit

This **college preparatory course** is devised to implement progressive thought and self-discovery. The core areas of focus involve essay writing principles, literary themes and vocabulary enhancement. Beyond all academic activities, an important area of development addresses adolescent maturation and independence. Students will apply Language Arts concepts to their mainstream existence and draw appropriate parallels to their surrounding environment. Each aspect of preparation desires advancement in socialization, cognitive function, self-advancement and cultural cognizance. Students are no longer required to complete summer reading or projects, but they may do so for a bonus opportunity. Bonus points will be assigned based on the quality of work.

Honors English 9 Freshmen Full Year 1 Credit

This is **an accelerated college prep course for students who have above average reading and writing skills.** The course is designed to improve self-awareness and intellectual though via traditional and contemporary ideals, as well as progressive educational rigor. Students will address various genres, such as: societal ethics, psychological findings, vocabulary application, composition development and literary deliberation. All aspects of the course are designed to contribute to the student's growth as a human being. In addition, a prerequisite of Honors English involves a summer reading assignment. Assignments must be turned in the first day of class or students will be reassigned to a College English class. Each aspect of preparation desires advancement in socialization, cognitive function, self-advancement and cultural cognizance.

Prerequisite: an A in 8th grade English.

College English 10 Sophomores Full Year 1 Credit

This is a **college preparatory course for students that meet their English requirement.** Students will read various types of literature and practice the writing process of expository, descriptive, narrative, and persuasive pieces. Students will develop oral communication skills and methods. Students are no longer required to complete summer reading or projects, but they may do so for a bonus opportunity. Bonus points will be assigned based on the quality of work.

Prerequisite: successful completion of College English 9

Honors English 10 Sophomores Full Year 1 Credit

This is **an accelerated college prep course for students who have advanced reading and writing skills.** Similar objectives or units will be taught as in English 10, but students will have more challenging assignments and critical thinking skills will be improved through class discussions. There will also be summer reading and writing required by all students. If the summer reading assignment is not turned in the first day of class, the student will be reassigned to a College English class.

Prerequisite: an A in Honors/College English 9

College English 11 Juniors Full Year 1 Credit

English 11 is **a college preparatory English course, which emphasizes reading comprehension skills through a survey of American literature. Interpretation, comprehension and critical analysis skills will be stressed.** The course is also designed to improve writing skills by focusing on various methods of developing essays and research skills. A research paper will be written. Students are no longer required to complete summer reading or projects, but they may do so for a bonus opportunity. Bonus points will be assigned based on the quality of work.

Prerequisite: the successful completion of College English 10

Honors English 11 **Juniors** **Full Year** **1 Credit**

Honors English 11 is **an accelerated course with emphasis on American literature, especially novels and plays.** The course is also designed to improve writing skills by focusing on various methods of developing essays and developing research skills by writing a term paper. Critical thinking skills will be improved through class discussions and written assignments. Students are required to complete a summer reading assignment that must be turned in the first day of school. Failure to complete the assignment will result in the student being reassigned to a College English class.

Prerequisite: an A in Honors/College English 10

College English 12 **Seniors** **Full Year** **1 Credit**

This course follows the **college preparatory** course of study. Emphasis is placed on developing and refining reading interpretation and comprehension skills as well as persuasive and research writing formats needed for college. Critical analysis of British literary works through discussion and writing is stressed. Students are no longer required to complete summer reading or projects. Students will have an opportunity the first day of school to complete an assessment for bonus points based on the optional summer reading.

Advanced Placement English **Seniors** **Full Year** **1 Credit**

AP English is **a college literature and writing course**. The course will focus on the critical analysis of World Literature through extensive reading and writing. The student's objective in this course is the successful completion of the Advanced Placement English exam in May as well as a secure background and foundation in literary studies. **Students are required to take the AP Exam in the spring. There is a fee for the test. Students are responsible for the cost of the exam. Summer reading is also required. Summer reading assignments are due the first day of school. Students not turning in the assignments will be reassigned to a College English 12 class.**

Prerequisite: a B or higher in Honors English 11 an A in College English 11

Journalism Fresh., Soph., Jr., Sr Full Year 1 Credit

Students will learn skills for writing newspaper articles with the opportunity to publish writing for *The Sentinel*, the online school newspaper. Writing will be done in the areas of news, feature, editorial, sports' articles and creative writing. Students will also learn and improve interviewing, writing, editing and photography skills. Students will have weekly article requirements.

Sentinel Soph., Jr., Sr Full Year 1 Credit

Students will write for *The Sentinel*, our online school newspaper. Students will be involved in the areas of *The Sentinel* production that best fits their interests. They may write and edit articles, design online layouts, take photographs and/or design ad and headlines for the school newspaper. Students must have taken and passed Journalism.

Yearbook Fresh., Soph., Jr., Sr. Full Year 1 Credit

Students on the yearbook staff will organize the planning, production, and sales of the yearbook by writing headlines, taking pictures, designing layouts, and editing yearbook pages. Solicitation of ads throughout the year is required as well as participation in fundraising projects during the year. Computer skills are helpful. Students will use an online design program for yearbook production.

Prerequisite: Approval of the yearbook advisor(s).

Multimedia/Broadcast Fresh., Soph., Jr., Sr. Full Year 1 Credit

Students will be in charge of producing the daily afternoon broadcast. They will learn how to use various equipment such as a soundboard, data video, green screen, teleprompters and computer software and online programs to produce the broadcast. They will also be in charge of writing the daily script. Students will brainstorm and create interesting and newsworthy announcements to be delivered by the anchors. Students may choose to also be news anchors, but this is not required. Video skills and video editing will also be taught, and the completion of projects is required for each nine weeks. This is a fun and creative class. It is only offered 7th period.

Prerequisite: Approval of the multimedia instructor(s).

FOREIGN LANGUAGE CURRICULUM

Spanish 1 Fresh., Soph., Jr., Sr. Full Year 1 Credit

In Spanish 1, students learn the **basic foundations of pronunciation, grammar, and conversational skills.** Repetition, vocabulary acquisition and usage, dialogs, simple stories, and compositions are stressed along with a basic understanding of verbs through conjugating. Oral participation, in addition to written work, are mandatory. Lessons are supplemented with videos and cassettes.

Prerequisite: Being able to memorize vocabulary words as well as spell very well; possessing a very good understanding of English grammar; A or B+ in 8th grade English.

Spanish 2 Sophomore, Juniors and Seniors Full Year 1 Credit

In Spanish 2, students **increase their knowledge of the skills acquired in Spanish 1.** Vocabulary and grammar expansion are emphasized through conversation, repetition, dialogs, short stories, and simple compositions. Oral and written activities are mandatory. Lessons are supplemented with videos and cassettes.

Prerequisite: a C or higher in Spanish 1

Spanish 3 Juniors and Seniors Full Year 1 Credit

In Spanish 3, students **polish the skills acquired in Spanish 1 and 2.** Stronger emphasis is placed on original writing and conversation.. Verb tenses are also stressed. Lessons are supplemented with videos and cassettes.

Prerequisite: a C or higher in Spanish 2

Spanish 4 Seniors Full Year 1 Credit

In Spanish 4, **emphasis is placed on advanced grammar conversation**., and composition. Literary, historical, and cultural information is discussed. This course is designed for students interested in receiving college credit or continuing their language study.

Prerequisite: a C or higher in Spanish 3

MATH CURRICULUM

Algebra 1 Freshmen Full Year 1 Credit

Algebra 1 is the first year of a 4 year core curriculum. This course will be guided by the contents of the Ohio Academic Content Standards for Mathematics. Concepts from number sense and operations; measurement; geometry and spatial sense; patterns, functions and algebra; and data analysis and probability will be integrated with mathematical processes (such as reasoning, communications, and applications of technology). Topics include ratios, proportions, variables, expressions, interpreting structures of expressions, performing arithmetic operations on polynomials, create equations that describe numbers or relationships, understanding solving equations as a process of reasoning and explaining the reasoning, solving equations and inequalities in one variable, represent and solve equations and inequalities graphically, understand the concept of a function and use function notation, interpret functions that arise in applications in terms of the context, interpreting linear models, and data analysis and probability. These topics will be covered with both an emphasis on note taking strategies, and basic mathematical concepts as well as application and theory. Students will develop and practice mathematical concepts and skills and apply these concepts and skills to real-life problem situations. Students will be required to justify their reasoning and outcomes. Students will be required to have a TI-84 Calculator. Students will be exposed to content and skills relevant to their exit exam.
Prerequisite: None

Advanced Algebra 1 Freshman Full Year 1 Credit

Algebra 1 is the first year of a core college prep curriculum in the STEM (Science Technology Engineering Mathematics). This rigorous course will be guided by the contents of the Ohio Common Core Standards for Mathematics. At times students will be expected to work without a calculator. Concepts from numbers and quantity; algebra functions; and statistics will be integrated with mathematical processes (such as reasoning, communications, and applications of technology). Topics include real numbers, linear equations and functions, linear inequalities, exponents and exponential functions, quadratic equations and functions, polynomials, radicals, interpreting structures of expressions, performing arithmetic operations on polynomials, create equations that describe numbers or relationships, understanding solving equations as a process of reasoning and explaining the reasoning, solving equations and inequalities in one variable, represent and solve equations and inequalities graphically, understand the concept of a function and use function notation, interpret functions that arise in applications in terms of the context, interpreting linear models, and data analysis and probability. These topics will be covered with both a very strong emphasis on application and theory. Students will develop and practice mathematical concepts and skills and apply these concepts and skills to real-life problem situations. Students will be required to justify their reasoning and outcomes. Students will be required to have a TI-84 Calculator. Students will be exposed to content and skills relevant to their exit exam.

Prerequisite: Students must score in the top 20% on a placement test.

Geometry Fresh., Soph., Jr. Full Year 1 Credit

Geometry is the second year of a core curriculum. This course will build upon student learning from Algebra I and will be guided by Ohio's New Learning Standards for Mathematics. Topics include points, lines, planes, polygons such as triangles and quadrilaterals, congruence, transformations, similarity, right triangles, functions and trigonometry, circles, area, surface area and volume, reasoning and proof. This course is designed to help students learn new concepts, gain new skills, and make application of this newly acquired knowledge to real-life problem situations. A **TI-84 Plus CE** graphing calculator is required for this course. We will be writing some programs in this course, which requires a graphing calculator.

Note: Students wishing to enroll in Advanced Algebra 2 must earn a B or higher in this course as well as having earned a B or higher in Advanced Algebra 1.

Prerequisite: B or higher in Alg. 1 or Adv. Alg. 1

Geometry/Statistics/Algebra Sophomore, Juniors, Seniors Full Year 1 Credit

This course is a bridge course to Algebra II for students who have already received a credit in Algebra I and Geometry. It will incorporate effective and accurate use of formal mathematical notation, vocabulary and concepts (e.g., function notation, notation, domain, rate of change). Students will also tie together algebra, geometry, data analysis, probability, number and measurement standards. Students will understand families of functions and their application, including linear, quadratic, polynomial, exponential, piecewise, radical and rational functions. They will also develop and use mathematical models to solve real-world problems, including describing trends, making predictions and distinguishing correlation from causation. They will use geometry to support algebraic understandings and vice versa, including using geometry as context and graphs as geometric objects. The students will relate patterns, sequences and functions, including understanding sequences as functions with whole number domains. A TI-84 graphing calculator is required for this course.
Prerequisite:C or D in Alg. 1 or C or D in Geometry *with no previous GSA course taken.

Algebra 2 Sophomore, Junior, Senior Full Year 1 Credit

Algebra 2 is the third year of a core college prep curriculum. This course will build upon student learning from Algebra I and Geometry. It will be guided by Ohio's New Learning Standards for Mathematics. It is a student's first encounter with a more rigorous level of mathematical content. It is the most important and pivotal math course in a student's high school career. Topics covered are linear equations, inequalities, and functions; quadratic functions; powers and polynomial functions; roots and radical functions; exponential and logarithmic functions; rational equations and functions. Concepts are introduced at both an intuitive (informal) and formal level. A **TI-84 Plus C** graphing calculator is required for this course. **Note: Once a student has completed Algebra 2, he/she must enroll in Algebra 3**.

Prerequisite: successful completion of GSA or a B or higher in Geometry.

Advanced Algebra 2 Soph., Jr., Sr. Full Year 1 Credit

Advanced Algebra 2 is the third year of a core college prep curriculum for students interested in studying mathematics or a math related field at a four year college or university. This course will build upon student learning from Algebra I and Geometry. It will be guided by Ohio's New Learning Standards for Mathematics. It is a student's first encounter with a more rigorous level of mathematical content. It is the most important and pivotal math course in a student's high school career. Topics covered are linear equations, inequalities, and functions; quadratic functions; powers and polynomial functions; roots and radical functions; exponential and logarithmic functions; rational equations and functions; trigonometry; statistics and probability. Concepts are introduced at both an intuitive (informal) and formal level. A **TI-84 Plus CE** graphing calculator is required for this course. Students will be tested both with and without a calculator. The pace is faster and a deeper understanding is expected of students than Algebra 2.

Note: Once a student has completed Advanced Algebra 2, he/she must enroll in Algebra 3 or Math Analysis.

Prerequisite: B or higher in both Geometry and Advanced Algebra 1

Algebra 3 Juniors and Seniors Full Year 1 Credit

Algebra 3 is the fourth year option of a core college prep curriculum. It is a follow-up to the most pivotal course, reviewing and expanding on concepts and skills from Algebra 2. Topics covered are the history of mathematics; a review of linear equations, linear inequalities, linear functions, quadratic functions, powers, roots, and radicals, exponential and logarithmic functions; geometry review; probability and statistics; Euclidean transformations; voting systems; Euler and Hamiltonian circuits; graph theory and chromatic numbers; management sciences and task scheduling; ACT/SAT prep; college prep; logic and basic discrete mathematics; culminating in an independent research project that is inter-disciplinary. The many varying topics of this course are designed to assist students in identifying the far-reaching ramifications of a strong foundation in mathematics. Concepts are introduced at both an intuitive (informal) and formal level. A TI-83 or TI-84 graphing calculator **is required** for this course.
Prerequisite: successful passage of Algebra 2

Math Analysis **Juniors and Seniors** **Full Year** **1 Credit**

Students taking math analysis use the unit circle and Cartesian coordinate system to express trigonometric ratios. They graph linear, nonlinear, and trigonometric functions. They use trigonometric laws, functions and identities to solve problems involving right and oblique triangles. Polar coordinates and parametric equations are also discussed. The second half of this course includes conics, polynomial, exponential, logarithmic, and other primary functions whose properties facilitate the study of calculus. Curve-fitting and analytic geometry are incorporated in this course. Students will acquire facility in applying mathematical techniques and improve algebraic skills. Graphing calculator **TI-84 Plus C is** required. This course is required before taking AP Calculus.

Prerequisite: B or higher in **Advanced Algebra 2**.

AP Calculus (AB) **Seniors** **Full Year 1 Credit**

This is a **college level course designed to give students a head start in their study of college mathematics.** Calculus was invented in the seventeenth century to provide a tool for solving problems involving motion. The subject matter of geometry, algebra and trigonometry applies to objects that move at constant rates of speed; however, methods introduced in calculus are required to study the orbits of planets, to calculate the flight of a rocket and to predict the path of a charged particle through an electromagnetic field. This made calculus essential to the solution of problems in physics, engineering, astronomy, aeronautics and astronautics. Later, mathematicians extended the methods of calculus to other fields to study rates of change such as the forecast of the outcome of various chemical reactions in chemistry, the investigation of the rate of growth of bacteria in a culture in biology, the calculation of profits and losses in business, the prediction of the spread of disease in epidemiology, the carbon dating of fossils to predict their age in anthropology and the estimation of the rate at which people learn in psychology. The topics of continuity, limit, differentiation and integration will be developed both informally (intuitively) and formally. The knowledge and skills gained in these areas will then be applied within mathematics and to other disciplines. AP questions will be practiced throughout the course. A graphing calculator is required for this course. **Students must take the AP exam or the YSU exam in the spring. Students also have the opportunity to enroll in the College in High School Calculus class through YSU, provided they meet YSU's requirements. This gives students two different opportunities to earn college credit for calculus. Students are responsible for the cost of the AP exam.**

Prerequisite: a B or higher in Math Analysis

SCIENCE CURRICULUM

Integrated Science 1 Freshmen Full Year 1 Credit

Science is the key to understanding the world around us. This course will **introduce students to the way scientists learn about the universe and how these methods can help students become better citizens, employees, and decision makers**. The course will include an exploration of scientific skills, introductory chemistry, earth science, physical science, and environmental topics. The major theme in this course will be energy and the application of energy principles to many aspects of everyday life. Inquiry based laboratory experiences are also part of the curriculum.

Environmental/STEM Science Junior and Senior 1 Credit

Environmental science incorporates ecology, chemistry, physics and physical geology and introduces students to key concepts, principals and theories within environmental science. Students will use the following scientific processes with appropriate laboratory safety techniques to construct their knowledge of understanding in all science content areas: design and conduct scientific investigations, use technology and mathematics to improve investigations and communications, formulate and revise explanations and models using logic and evidence(critical thinking), recognize and analyze explanations and models, and communicate and support a scientific argument.

Biology Soph., Jr., Sr. Full Year 1 Credit

Biology involves **the scientific study of life with emphasis on cellular biology, molecular/biochemistry, genetics, survey of structure, function, and classification of organisms, basic life processes, and ecology**. The above is enhanced with laboratory activities.

Prerequisite: A minimum grade C or higher in Integrated Science 1.

Anatomy/Physiology Jr., and Sr. Full Year 1 Credit

This is a **college prep course in the study of the structure and functions of the human body**. This course builds on concepts, skills, and vocabulary mastered in biology. Students will dissect selected mammal and other selected animal organs for laboratory experience. These may include cow eyes, rats, pigs, cats, and sheep hearts. This course is recommended for students who are interested in medical or related careers.

Prerequisite: a C or higher in Biology

Chemistry **Jr. and Sr.** **Full Year** **1 Credit**

Chemistry is a college prep course in the study of matter and the changes that occur during chemical reactions. Laboratory experimentation, observation, and measurement are included in the course, as well as the structure of matter, chemical bonding, and chemical changes. Mathematical concepts are an integral part of the course.

Prerequisite: a B or higher in Algebra 2 or currently enrolled in advanced algebra 2.

Physics **Seniors** **Full Year** **1 Credit**

This is **a college preparatory course in the fundamentals of physics**. Five topics of classical physics will be studied including mechanics, heat, light, sound, and electricity. Atomic theory will also be discussed as part of modern physics. Mathematical concepts are an integral part of the course.

Prerequisite: a B or higher in Algebra 2 and a C in Math Analysis

SOCIAL STUDIES CURRICULUM

Global-US History 1 Freshmen Full Year 1 Credit

This course is **a survey of Global and US history from the Enlightenment to World War I**. The teacher will highlight the expectations for learning aligned with Ohio's Standards for both World and American History topics such as: "Enlightenment ideals influence Revolution", "Industrialization and Progressivism", and "Foreign Affairs from Imperialism to Post-World War I." Students will develop an understanding of the social, political, economic, and cultural issues that have shaped modern times.

Honors Global-US History 1 Freshmen Full Year 1 Credit

This course is **a survey of Global and US history from the Enlightenment to World War I**. The teacher will highlight the expectations for learning aligned with Ohio's Standards for both World and American History topics such as: "Enlightenment ideals influence Revolution", "Industrialization and Progressivism", and "Foreign Affairs from Imperialism to Post-World War I." Students will develop an understanding of the social, political, economic, and cultural issues that have shaped modern times.

This accelerated course is designed to prepare students **for the A. P. American History class**. Students are also **required** to construct a History Day project in accordance with the National History Day theme and guidelines.

Prerequisite: an A in 8th grade social studies and English. Students should have strong reading and writing skills.

Global-US History 2 Sophomores Full Year 1 Credit

This course is **a survey of Global and US history following World War I**. The teacher will highlight the expectations for learning aligned with Ohio's Standards for both World and American History topics such as: "Prosperity, Depression, and the New Deal", "From Isolation to World War", "The Cold War", "Social Transformations", and the "Post-Cold War World". Students will develop an understanding of the social, political, economic, and cultural issues that have shaped modern times.

Prerequisite: Credit for Global-US 1

A P History **Jr., Sr.** **Full Year** **1 Credit**

This is an accelerated course **designed for the college bound student**, especially those interested in acquiring college credit by taking the College Board Advanced Placement History test. Major concepts discussed will include the foundation of the nation, nationalism vs. sectionalism, foreign policy, civil rights, and major military confrontations. **Students are required to take the A P Exam in the spring. There is a fee for the test. Students are responsible for the cost of the exam. (This course is required to be a Valedictorian or Salutatorian).**

Prerequisite: A or B in **BOTH** Global/US1 and Global/US2.

American Government **Jr., Sr.** **Full Year** **1 Credit**

This course is designed **to give students practical working knowledge of the American political system at the federal and state level**. Special emphasis will be placed on the constitution, three branches of government, and current events as they relate to topics discussed.

Psychology **Juniors, Seniors** **1 Semester``** **.50 Credit**

Psychology is the study of behavior. **Students will explore what people do, how they think, and why they act the way they do**. The course also includes the study of the major school of thought in psychology, and the most recent psychological theories.

Economics **Junior, Senior** **1 Semester** **.50 Credit**

Economics is **the study of how men attempt to meet their unlimited wants with their limited resources**. The course will discuss the economic problems faced by all societies and students will learn how our American economic system functions. Students will also explore the relationship among business, labor, government, and the individual in making economic decisions.

BUSINESS CURRICULUM

Computer Applications Fr., Soph., Jr., Sr. 1 Semester .50 Credit

Students will become proficient in the use of Google Drive, Google Docs, and Google Classroom. Students will also learn how to integrate each of these programs into each other.

Accounting Soph., Jr., Sr. Semester .50 Credit

Instruction focuses on the management of a company's financial resources including the accounting cycle, financial statements, and interpretation and use of financial data.

Finance Fr., Soph., Jr., Sr. 1 Semester .50 Credit

Students develop and utilize rational decision making processes to form personal financial decisions in their roles as citizens, workers, and consumers.

Internet and WWW Soph., Jr., Sr. Full Year l Credit

This course will introduce students to the Internet and how to design web pages using the software Microsoft Front Page. The students will also design their own home page and be in charge of updating the school web site. Students will be responsible for taking and posting pictures to the school web site and will make weekly web sites using the tools of Front Page.

Intro. To Business Fr., Soph., Jr., Sr. l Semester .50 Credit

The study of domestic and international business operations including start-up, financing, management, and standard practices.

Business & Personal Law Fr.,Soph.,Jr.,Sr. 1semester .50 credits

Students will study true situations that show how business and personal law impacts not only business, but the lives of young people and adults as well. Students will achieve an understanding of legal principles they will use throughout their lives.

MUSIC CURRICULUM

Band **Fr., Soph., Jr., Sr.** **Full Year** **1 Credit**

Band is a full year course **open to all students who can play an instrument and attend all rehearsals and performances**. All band members participate in marching band from August through November and in concert band for the remainder of the school year. Other activities open to band members include pep band and solo/ensemble contests. Summer rehearsals, football games, parades, and concerts, are all required performances. Students will learn the fundamentals of instrumental music as they develop the ability to play an instrument through performance-orientated activities.

Choir **Fr., Soph., Jr., Sr.** **Full Year** **1 Credit**

This course focuses on the fundamentals of singing: using correct posture, breathing, diction, the ability to match pitch, harmonize and blend in a choral setting, and music literacy. Students will sing various styles of music ranging from classical to current pop music. Historical background information on the choral music being sung will be studied. Basic theoretical fundamentals of music will also be incorporated. All students must participate in Winter, Fine Arts Night, and Spring concerts. Other performance opportunities include OMEA Large Group Contest and Solo and Ensemble Adjudicated Event. Other performance opportunities may come up during the school year, and all students will be notified at least two (2) weeks in advance of these performances in order to be excused from the performance if the director is notified prior to the event.

Students will be graded on daily classroom participation, incidental worksheets, quizzes, and participation in major rehearsals and concerts. There will also be individual part singing to incorporate music literacy standards into the performance aspect of the ensemble. Only students with an excused absence will be exempt from performing and will be given an alternative assignment.

Music Appreciation **Soph., Jr., Sr.** **Full Year** **1 Credit**

A comprehensive study of Western music beginning in the Middle ages (c. 500 AD) and continuing through the 20th Century. Topics include form, style, and instrumentation as well as major composers and their works. Activities include score study and listening.

ART CURRICULUM

Art 1 **Soph., Jr., and Sr.** **Full Year** **1 Credit**

This class will introduce the fundamentals and principles used in the fine and practical arts. Students will be introduced to basic techniques used in art, which include but are not limited to, drawing, painting, and design.

Art 2 **Jr., and Sr.** **Full Year** **1 Credit**

This class reinforces the fundamentals and skills taught in Art 1, plus the introduction to more advanced techniques. Students will create a portfolio that can be used for college applications.

Prerequisite: a B or higher in Art 1

Art 3 **Seniors** **Full Year** **1 Credit**

This class reinforces the fundamentals and skills taught in Art 2 plus the introduction to more advanced techniques. Students will create a portfolio that can be used for college applications.

Prerequisite: a B or higher in Art

SPECIFIC LEARNING DISABILITIES CURRICULUM

Integrated English 1-4 Fr., Soph, Jr., and Sr. Full Year 1 Credit
Integrated Reading 1-4

Integrated English and Reading can be taken only with the permission of the guidance counselor (**must qualify for placement**). A variety of approaches, materials, and activities, will be used to encourage the further development of reading and comprehension skills. Individual and small group instructions are emphasized. Concepts from American and World Literature are emphasized.

Integrated Math 1 Fr., Soph, Jr., and Sr. Full Year 1 Credit

Integrated math can be taken only with the permission of the guidance counselor (**must qualify for placement).** Math 1 is designed to help students make the transition from arithmetic to algebra placing emphasis on prerequisite skills, concepts, and the problem solving process. Students will be introduced to the algebraic concepts of real number properties, solving simple linear equations, graphing ordered pairs, problem-solving strategies, and patterns, relations, and functions. This course may be taken as preparation for Math 2.

Integrated Math 2 Soph, Jr., and Sr. Full Year l Credit

Integrated math can be taken only with the permission of the guidance counselor (**must qualify for placement).** Math 2 includes the concepts of real number properties, solving linear and quadratic equation, algebra graphing, problem-solving strategies, deductive reasoning, patterns, relations and fractions. The course also includes an introduction to probability and statistics. It is the first course in a sequence that would empower the student to succeed in advanced mathematical topics such as geometric properties.

Integrated Science Fr., Soph., Jr., and Sr. Full Year 1 credit

Integrated science can be taken only with the permission of the guidance counselor (**must qualify for placement).** Students will learn about the human gody, land animals, earth science, and the solar system. Reading and comprehension skills are emphasized.

Integrated Social Studies Fr., Soph., Jr., and Sr. Full Year 1 Credit

Integrated history can be taken only with the permission of the guidance counselor **(must qualify for placement**). Student will learn about American history, world history, civics, and minorities, and the American Government System. Reading, note taking, and study skills are emphasized.

FAMILY AND CONSUMER SCIENCES

Intro. To Family & Consumer Sciences Fr. 1 Semester 0.5 Credit

This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principals. Students will understand the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership and career investigation skills.

Personal Wellness and Development Fr, Soph. 1 Semester 0.5 Credit

Students will gain knowledge of practicing a healthy lifestyle. They will gain competence to differentiate methods of weight loss and unsafe food habits. Students will predict situations that can result in poor health such as tobacco use, substance abuse, environmental factors and sexual behaviors. They will appraise the impact of media and peer pressure to influence physical, social and psychological factors of teen health.

Career and College Readiness Soph., Jr., Sr. 1 Semester 0.5 Credit

Students will develop, implement, review and revise a career blueprint in the context of other life choices. Students will study changing employment trends, economic conditions, societal needs, and banking and personal finance. The blueprint will include education plans supportive of their personal career goals and financial plans. Students will be required to complete a career mentorship outside of the classroom during the semester.

Nutrition and Wellness Soph., Jr., Sr. 1 Semester 0.5 Credit

Students will gain knowledge of acquiring and practicing a healthy lifestyle using dietary guidelines that reduce the risk of chronic disease. Students will also acquire skills for safe food handling and study advances in food technology, nutrition and safety. They will master food preparation skills and understand cultural, family, community, and economic implications of food and lifestyle choices.

Interior Design, Furnishings and Management Jr., Sr. l Semester 0.5 Credit

In this Family and Consumer Sciences career field course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths.

Child Development Jr., Sr. 1 Semester 0.50 Credit

Students will discover the needs of infants and young children and how parents and child care providers can meet those needs for healthy growth and development. Students will identify differences in individuals, cultures, circumstances, growth and development rates of growing children. They will recognize standards set for child care for healthy, safe children. Students will assess personal relationship skills, financial goals, lifelong commitment, communication, and career goals in relationship to successful parenting.

Textile Design, Construction, and Maintenance Soph., Jr. Sr. 1 Sem. 0.50 Credit

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments.

HEALTH AND PHYSICAL EDUCATION CURRICULUM

Physical Education Fr., Soph. 1 Semester 0.25 Credit (Boys and Girls)

Physical education is required of all freshman and sophomore students and is a requirement towards graduation**. Students will engage in a wide variety of physical activity, programmed exercise, games, and lifetime sports**. The main objectives of physical education are participation and appreciation of human movement.
A credit for physical education may be earned by taking the course or waived by participating in sports. The class for each semester is worth .25 credits. Students may take this class twice, as a freshman and as a sophomore to earn the .5 credit needed. If the credit is waived by participating in sports, the student must participate in 2 complete seasons .This does not have to be the same sport each time. (Students cannot earn the credit by taking one class and participating in one sport.) **Since the PE credit is waived for participation in sports the student must pick up an additional .5 credit elective.**

Health Education Freshmen 1 Semester 0.50 Credit

This course is designed to give the students a better understanding of personal, community and world health. It is also designed to help the student better understand his/her own health needs and become more aware of the concept of wellness. The course is required of all freshmen.

CAREER TECHNOLGY

(Career Based Intervention Program)

*** Must request before the beginning of the school year. After the beginning of the school year students will only be placed in this class by referral of the Principal, Guidance Counselor or a teacher.**

CBIP **Full Year** **1 Credit**

Career Based Intervention is a work-study program for students age 14 years or older. The program is designed for students who are not having success with the regular curriculum. Classroom emphasis is on work and survival skills. The afternoon is devoted to on-the-job experience. Permission must be received from the instructor, principal and guidance counselor to enroll. Students must keep a job and have transportation to be in the program.

CBIP Lab **Full Year** **2 Credits**

Career Based Intervention is on-the-job training that corresponds with the OWE classroom. Students will learn record keeping, the work ethic, and establish self-discipline. Placement requires permission from the instructor and guidance counselor.

CBIP English **Full Year** **1 Credit**

This course is a general English course, which **emphasizes writing techniques including journals, essays, and job training plans**. Students will also learn job search and interview skills. Students will do their senior passport-computer skills.

CBIP English II **Full Year** **1 Credit**

Students will continue to develop writing techniques as well as reading comprehension skills. Students will continue to refine job search and interview skills. Students will do their senior passport-computer skills.

CBIP Government **Full Year** **1 Credit**

This course is designed to give **OWE students a working knowledge of our political system at the federal, state, and local level.**

CBIP American History Full Year 1 Credit

This course is designed for OWE students only and is **a general American History course which will concentrate on our nation's political, social, and economic growth.**

CBIP World History Full Year 1 Credit

This course id designed for OWE students only and is a general World History course which will concentrate on the Napoleonic Era to the present.

CBIP Science Full Year 1 Credit

This course is designed for OWE students only**. This course will include an exploration of physical and environmental topics.**

CBIP Biology Full Year 1 Credit

This course is designed for OWE students only. This course will not include a laboratory activity.

CBIP Math Full Year 1 Credit

This course is only for OWE students. **The course is designed to meet the basic needs through modifications with survival math skills**. A significant part of the course is devoted to review and reinforcement of learning outcomes for the Ohio Graduation Test.

CBIP Algebra Full Year 1 Credit

This course is designed for OWE students only. This course will include mathematical concepts and skills and make applications of these concepts and skills to real-life problem situations

MAHONING COUNTY CAREER AND TECHNICAL CENTER

Springfield sophomores may elect to attend the Mahoning County Career and Technical Center for 11th and 12th grades. The courses which should be completed the first 2 years and the graduation requirements are listed on page 3. **Sophomores who wish to enroll at the Career Center should turn in a Springfield Registration Form for the CTC only and see the guidance counselor to get and return a completed application to attend the Career Center. Applications are due near the end of February.**
A complete list of Career Center offerings may be obtained from the guidance counselor.

POST SECONDARY ENROLLMENT OPTIONS (CCP)

The Ohio Revised Code states that a secondary student may enroll at a college on a full or part-time basis, and complete courses for college credit or both high school and college credit. Please refer to the high school website for more information, http://www.springfield.k12.oh.us/Education%20Options/education%20options.htm
To Enroll: Juniors and Seniors must have a minimum 2.0 GPA and a 17 ACT. Students must have passes all portions of the Ohio Graduation Test (OGT) and all Next Generation Assessments (NGA).

TECH PREP CAREER PATHWAY

Tech Prep is an alternative college prep curriculum that offers a combination of academic, job readiness and technical skills. This four-year program, beginning in the 11th grade, is completed after two years at Youngstown State University. After successful completion of the high school Tech Prep course of study, students will be ready to enter an associate degree program at YSU, go directly to the world of work or pursue a four-year college program. Successful senior students will be offered an opportunity to receive 4-9 credits-by-examination at YSU.

Instruction includes significant, hands-on, laboratory based projects in the Tech Prep classroom at YSU, and at off-site learning centers. Students at any high school may apply. All Tech Prep classes are 3 credits. Enrollment is limited so see your counselor for details and check the web site: www.ysu.edu/techprep.
Information may be obtained from the guidance counselor.

5460B - CRITERIA FOR CREDIT FLEXIBILITY PLAN

This guideline identifies the criteria relevant to the development of the District's Credit Flexibility Plan. The District Credit Flexibility Plan offers a variety of learning opportunities for students with a focus on performance, acknowledges students' differing learning styles, paces, and interests, and enables students to demonstrate creativity, explore academic and career interests, and practice critical thinking. Students may earn credits by:

A. completing coursework;

B. testing out of or demonstrating mastery of course content; and/or

C. pursuing one (1) or more educational options in accordance with the District Credit Flexibility Plan.

The Plan, developed by the District's Design Team in accordance with Ohio's Core Curriculum initiative, provides that:

A. any student is eligible to be considered for alternative ways to earn credit toward graduation, but students must meet the conditions prescribed in order to earn the credit;

B. students who "test out" of coursework may use one (1) or more mechanisms from the State's pre-approved list, including various commercial assessments or performance-based means;

   Locally-developed assessments meeting the stated criteria of being developed in accordance with quality guidelines and/or through peer reviewed processes may be utilized.

C. issuance of credit will be determined locally by:

   1. teachers;

   2. a multidisciplinary team;

   3. a professional panel from the community; or

   4. a State performance-based assessment.

D. when educational options are utilized, the school and students will pre-identify and agree on the learning outcomes;

E. provisions of the Plan shall be communicated to students and parents on an on-going basis (at least annually), using multiple communications strategies;

Data concerning the methods and frequency of communication with students and families will be reported to the Ohio Department of Education (ODE).

F. performance data shall be collected and analyzed, including the number of students participating in the Plan, total credits earned, and the extent to which student participation reflects the demographic diversity of student enrollment;

G. an appeals process shall be available in the event that a proposed credit alternative is denied by the school or District;

H. credits earned under the Plan shall be reported on student transcripts in the same way that traditional coursework credit is reported;

I. the Board will review the policy provisions and the District Credit Flexibility Plan regularly.

The following component of Ohio's Core Curriculum Initiative shall be included in the development, review, and implementation of the District's Credit Flexibility Plan:

A. Demonstrated proficiency options shall be allowed on an on-going basis.

B. Demonstrated proficiency options shall be allowed to count toward graduation course requirements as well as toward elective credit.

C. The plan shall not cap nor limit the number of courses or credits that may be earned through approved options.

D. The plan shall allow for simultaneous credit to be earned in academic and career-technical content more than one (1) academic content or course (department) area, and in secondary and postsecondary study.

E. The plan shall allow for partial credit to be earned.

F. Graded and pass/fail options should be allowed for demonstrated proficiency options. Graded options will count in GPA/class ranking.

G. The plan shall determine credit equivalency for the Carnegie unit.

H. The plan shall allow student access to on-line or virtual education, postsecondary options, or programs offered by another district approved by the Board. The Plan may allow for credit to be accepted from other districts and education providers (including on-line providers) in accordance with Ohio's Operating Standards.

I. The plan shall provide for instances when students do not complete specified requirements for earning credit.

J. The plan shall provide for student transfer between districts and early graduation.

K. The plan shall provide for student eligibility in accordance with OHSAA bylaws (441, 448) for interscholastic athletics.

Approved 3/10