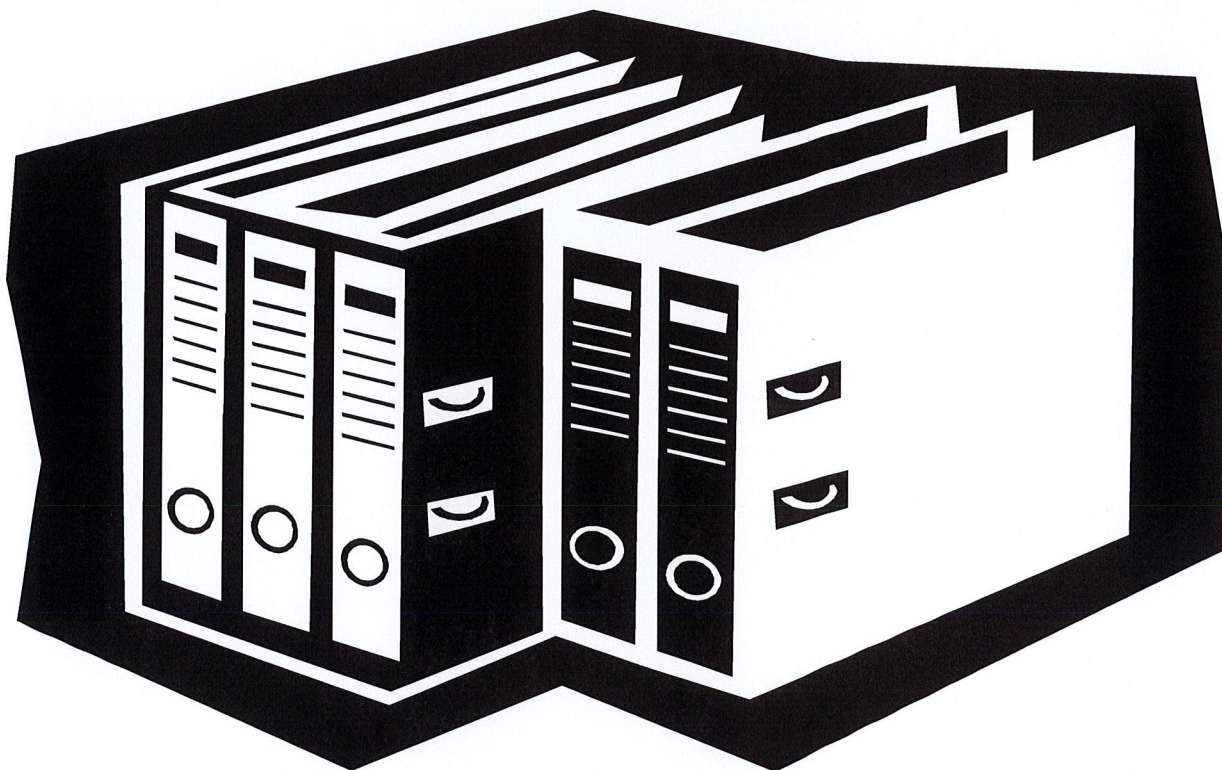


FALLSBURG
CENTRAL SCHOOL DISTRICT

Home of the Comets!



***Fallsburg Junior- Senior
High School
Course Description Handbook
2024-2025***

SUPERINTENDENT OF SCHOOLS

Dr. Ivan Katz

ASSISTANT SUPERINTENDENT OF INSTRUCTION

Dr. Sally Sharkey

PUPIL PERSONNEL DIRECTOR

Ms. Leighanne Russell

ASSISTANT PUPIL PERSONNEL DIRECTOR

Ms. Dillon Paul

BOARD OF EDUCATION

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Ms. Shana Bruestle- *Principal*

Mr. James Mort- *Assistant Principal*

Mr. Steven Nilsen- *Assistant Principal*

ATHLETIC DIRECTOR

Ms. Amanda Stevens

HIGH SCHOOL GUIDANCE

Ms. Meryl Giarrizzo

Mr. Joe Levner

Ms. Sonja Vandyke



GRADUATION REQUIREMENTS

*REGENTS DIPLOMA

<u>CREDITS</u>	<u>SUBJECT</u>
4	English
4	Social Studies
3	Mathematics
3	Science
.5	Health
1	Art/Music
2	Physical Education
1	Foreign Language
3.5	<u>Electives</u>
22 units	

**ADVANCED REGENTS DIPLOMA

<u>CREDITS</u>	<u>SUBJECT</u>
4	English
4	Social Studies
3	Mathematics
3	Science
.5	Health
1	Art/Music
2	Physical Education
3	Foreign Language
1.5	<u>Electives</u>
22 units	

* REGENTS EXAMS REGENTS DIPLOMA

1	English Language Arts
1	Math
1	Social Studies
1	Science
1	<u>Pathway Regents</u>
5 Regents Exams	

**REGENTS EXAMS ADVANCED DIPLOMA

English Language Arts
Algebra I
Geometry
Algebra 2
Global History & Geography
U.S. History & Government
Science
Science
Foreign Language*

***OR** 5 Business/Art/Technology units

**There are several other pathways students may be eligible for. These options will be discussed with the student on a case-by-case basis.*



GRADE PLACEMENT

To be placed in 9th grade, a student must pass 3 of 4 major disciplines in grade 8,
(English, Social Studies, Science, Mathematics)

To be placed in 10th grade, a student must have earned 5.5 credits.

To be placed in 11th grade, a student must have earned 11 credits.

To be placed in 12th grade, a student must be able to graduate that year as determined by the Guidance Counselor.

◆ COURSE OFFERINGS BY DEPARTMENT/PROGRAM

Please note: Although all courses are listed, it is not always possible to offer every course every year

ART

ART I

Grades 9-12

1 credit

This is a one-year exploratory course that provides a foundation in many forms of art, such as drawing, painting, ceramics, 3-dimensional design, as well as historical and cultural connections to producing art through craft mediums. This course will largely be focused on the use of the elements and principles in the production of art. In addition, students will learn to analyze both personal and historical works of art.

ART II

Grades 10-12

1 credit

This course is designed to expand on the experience and learning of Art I. Students will continue to explore a variety of artists, art processes and materials such as drawing, painting, printmaking, as well as, two & three-dimensional design. Students will have the opportunity to express their personal experience with life through art creation, while at the same time learn about other people's perspective through art comprehension. This is an upper division course that will require students to engage with the creative process in a genuine manner. Creative Process- find inspiration, explore, and experiment with ideas, create artwork, reflect and redo).

Prerequisite: Art I

INDEPENDENT STUDY ADVANCED ART

Grades 11-12

.5 credit or 1 credit

This course is intended for students who have successfully completed at least two advanced level art courses and would like to pursue an in-depth exploration of one of the

subject areas they studied. The purpose of this being to build a portfolio for college or career.

Prerequisite: Instructor permission

BUSINESS

COMPUTER APPLICATIONS

Grades 9-12

1 credit

Students will learn touch-typing on the keyboard and gain an understanding on how to use the computer. Students will focus on the use of Microsoft Word to create reports, resumes, memos, and business letters using proper techniques and learning correct formatting. The second part of the year students will further their computer skills and software knowledge while using programs in the Microsoft Office suite. Power Point and Excel as well as basic functions of the internet and e-commerce will be addressed.

BUSINESS MATH

Grades 10-12

1 credit

This course is recommended for any student considering a career in business or majoring in the business field in college. Students will discover how math skills can help take them along the path to personal and financial success. Coverage includes managing cash, income, spending, budgeting, taxes, banking, computing interest, and investing and managing business incomes. May be used as a third credit in Math.

CAREER AND FINANCIAL MANAGEMENT

Grades 10-12

.5 credit

Students will be introduced to the steps needed to selecting a career by using self-information and assessments. Students will research different careers and occupations so they can make more informed choices. The second half of this course will introduce students to skills needed to manage their personal finances and supply information and knowledge needed to survive economically on their own. Topics such as banking, budgeting, insurance and consumerism will be explored. Real life financial situations will be examined.

ACCOUNTING

Grades 11-12

1 credit

Students will gain an understanding of the Principles of Accounting using a double entry system. Journal entry, financial statements, worksheets and cash distribution will be discussed. Recommended for students interested in pursuing a career in Business, Accounting, or Entrepreneurship. May be used as a third credit in Math.

ENGLISH

ENGLISH 9H

Grade 9

1 credit

This New York State Next Generation Standards aligned course is designed for students who excel in English Language Arts, wish to challenge themselves, and have developed a high level of independence and self-discipline. Students will experience more mature texts with more complex themes in greater depth, will be expected to advance at a faster pace, will receive more advanced writing instruction, and will engage in inquiry-based research projects.

Prerequisite: Teacher Recommendation; Please consult with School Counselor

ENGLISH 9R

Grade 9

1 credit

This New York State Next Generation Standards aligned course continues to emphasize the reading, writing, listening and speaking skills introduced in the Middle School. Students will closely read and analyze a variety of literature and will write for a variety of audiences and purposes. Required course.

ENGLISH 10H

Grade 10

1 credit

This New York State Next Generation Standards aligned course is designed for students who excel in English Language Arts, wish to challenge themselves and have developed a high level of independence and self-discipline. Students will experience more mature texts with more complex themes in greater depth, will be expected to advance at a faster pace, will receive more advanced

writing instruction, and will engage in inquiry-based research projects.

Prerequisite: Teacher Recommendation; Please consult with School Counselor

ENGLISH 10R

Grade 10

1 credit

This New York State Next Generation Standards aligned course continues to emphasize the reading, writing, listening and speaking skills introduced and developed in 9th Grade. Students will closely read and analyze a variety of literature and will write for a variety of audiences and purposes.

Required course.

*COMPOSITION I (ENG 1001)



SUNY SULLIVAN

Grade 11

.5 credit HS/3 credits College

This writing intensive course requires students to read and write in various organizational modes, write college level essays utilizing multiple revisions, read a variety of fiction and non-fiction, demonstrate English language mastery, and utilize research skills.

*COMPOSITION II (ENG 2005)



SUNY SULLIVAN

Grade 11

.5 credit HS/3 credits College

This writing intensive course requires students to continue developing the skills learned in English Composition I. Students will read and write analytical and argumentative essays, and will conduct research culminating in an MLA formatted research paper. Students will continue to edit and revise their writing using both self-assessment and peer review.

Prerequisite: Composition I with a grade of C or higher

ENGLISH 11R

Grade 11

1 credit

This New York State Next Generation aligned course is a survey of American Literature. Students will be expected to demonstrate mastery of the reading, writing, listening, and speaking skills introduced and developed in 9th and 10th grade. The course culminates in the English Language Arts Regents Exam. Required course.

***AMERICAN LITERATURE I (ENG 2117)**



Grade 12 .5 credit HS/3 credits College

Students study the development of American thought through the study of representative American authors from colonial times through the romantic period.

Prerequisite: Composition I

***AMERICAN LITERATURE II (ENG 2118)**



Grade 12 .5 credit HS/3 credits College

Students study representative American authors from the romantic period until the present.

Prerequisite: Composition I

ENGLISH 12

Grade 12 1 credit

This New York State Next Generation aligned course is designed to introduce students to classical literature as well as contemporary works. This course covers various genres such as poetry, drama, short stories, nonfiction, and novels. It places an emphasis on composition skills and analysis of literature.

Required course.

MASS MEDIA

Grade 12 1 credit

Students explore the role of mass media in the lives of individuals, especially as it pertains to media's social, economic, and ethical role in society. Students demonstrate knowledge of the historical role of various media types to view themselves as both consumers and producers of media. Topics may include social media and the internet, electronic media (radio, television and film) and print media (books, newspaper and magazine) as well as possible applications to journalism, broadcasting, public relations, advertising, and digital media.

Required course.

***LITERATURE TO FILM ADAPTATION (HUM 2286)**



Grade 12 .5 credit HS/3 credits College

The course offers a comparative look at the aesthetic, formal, rhetorical, and social conventions of literature and film. Students examine the complex relationship that has evolved between word and image through the multiple ways literature and film have modified one another since film's invention.

Prerequisite: Composition I

***FUNDAMENTALS OF SPEECH (ENG 1301)**



Grade 12 .5 credit HS/3 credits College

This course is designed to provide public speaking training and practice.

FOREIGN LANGUAGE

SPANISH I

Grades 8-12 1 credit

Students will learn basic communication skills around several topics, including but not limited to the following: the family, school, activities such as sports and hobbies, food, the human body, the weather, how to count and tell time, emotions, and personal characteristics. Through these topics of discussion, students will be able to compare and contrast their culture in the United States to those in Spanish-speaking countries.

SPANISH II

Grades 9-12 1 credit

Students will delve deeper into the topics introduced in Spanish I, and will incorporate additional topics such as the home, the community, technology, and the arts. Students use increasingly complex grammatical structures, such as the imperfect, preterit, and present progressive tenses, but always with a focus on functional communication. Speaking, listening, reading, and writing skills will be further developed. Culture and current events are incorporated to increase an understanding of world communities.

Prerequisite: Spanish I

SPANISH III

Grades 10-12

1 credit

In this Regents-level course, students will aim to be independently functional in Spanish communication, in all four modalities: Speaking, Listening, Reading, and Writing. More complex and extensive grammatical structures and vocabulary are presented, and culture and current events are continuing strands. This course will culminate in a district-developed exam that gives Regents credit.

Prerequisite: Spanish II

*SPANISH LANGUAGE AND CULTURE I (FLA 1445)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/3 credits College

This course provides students with exposure to Spanish culture through the study of language, utilizing popular media, and a culture-oriented text. The course covers language structure essential for basic communication in Spanish.

Prerequisite: Spanish III

*SPANISH LANGUAGE AND CULTURE II (FLA 2445)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/3 credits College

This course is a continuation of Spanish Language and Culture I with a greater emphasis on elementary oral and aural skills.

Prerequisite: Spanish Language and Culture II with a grade of C or higher

SPANISH FOR NATIVE SPEAKERS I

Grades 7-12

1 credit

To be eligible, a student must show the ability to communicate effectively in their native language. If the student is not successful he/she must go into the appropriate level as determined by the teacher. The course will have an emphasis on basic reading and writing skills as well as spelling and language mechanics. In addition, Native Speaker I will introduce students to different Hispanic cultural backgrounds, basic literature, and some historical points.

SPANISH FOR NATIVE SPEAKERS II

Grades 8-12

1 credit

This course will have an emphasis on intermediate reading and writing skills as well as an intermediate level of spelling and language mechanics. It will also continue to introduce the students to Hispanic cultural backgrounds.

Prerequisite: Spanish for Native Speakers I

*SPANISH LANGUAGE AND CULTURE III (FLA 2446)



SUNY SULLIVAN

Grades 10-12

.5 credit HS/3 credits College

This course is a continuation of Spanish for Native Speakers 2 together with an introduction to Spanish literature and more detailed language study. This is an intermediate level course.

Prerequisite: Spanish for Native Speakers II

*SPANISH LANGUAGE AND CULTURE IV (FLA 2447)



SUNY SULLIVAN

Grades 10-12

.5 credit HS/3 credits College

This course is a continuation of Spanish Language and Culture III. This is an intermediate level course.

Prerequisite: Spanish Language and Culture III with a grade of C or higher

MATHEMATICS

ALGEBRA I

Grades 8-12

1 credit

This is the first course of the New York State Regents Sequential Math Program. This course is a state-developed curriculum with an integrated approach. Topics include: Algebra, Geometry, Probability, and Statistics.

ALGEBRA II

Grades 10-12

1 credit

This Regents course incorporates the topics of rational expressions, irrational numbers, relations and functions, logarithmic functions, complex numbers, geometry of a circle, transformation, trigonometric functions, graphs, and trigonometric evaluations and identities, statistics, and probability.

Prerequisite: Algebra I and Algebra I Regents Exam with a grade of 65 or higher

GEOMETRY

Grades 9-12

1 credit

This Regents course incorporates the topics of Euclidean Geometry, Analytic Geometry, Logic, mathematical systems, and further explorations of Algebra.

Prerequisite: Algebra I

GENERAL GEOMETRY

Grades 10-12

1 credit

This is an introduction to Geometry covering common core Geometry topics (without proofs). Some of the topics are Locus, Properties of Triangles, Parallel Lines, Quadrilaterals, Similarity, Constructions, Coordinate Geometry, and Circles, Solids, and Transformations. This is a non-regents geometry course, and students will be required to sit for a final at the end of the class.

CONCEPTS OF MATH

Grades 9-12

.5 credit

This course is intended for SIFE/Newcomer ENL students. In this course, students will develop critical skills necessary for success in Principles of Algebra. Such skills include basic arithmetic, operations with fractions and decimals, and basic geometry. This course will include a series of performance tasks that extend learning of these concepts and will culminate with a series of projects that will be completed throughout the semester.

PRINCIPLES OF ALGEBRA

Grades 9-12

.5 credit

This course is intended for SIFE/Newcomer ENL students. This course is a continuation of Concepts of Math with an emphasis on developing algebraic reasoning. In this course, students will learn about integer arithmetic, graphing on the coordinate plane, writing and simplifying algebraic expressions, and solving linear equations and inequalities. This course will culminate in a final exam, along with projects that will be completed throughout the semester.

*PRECALCULUS (MAT 1206)

 SUNY SULLIVAN

Grades 11-12

.5 credit HS/4 credits College

This course is intended to form a bridge between static concepts of Algebra I, Geometry, and the dynamic concepts of Calculus. Topics include: basic algebraic, trigonometric, exponential, and logarithmic functions, functional inverses, inequalities, graphs, complex numbers, systems of equations introductory matrix algebra, and the binomial theorem.

Prerequisite: Algebra I Geometry, and Algebra II

*ANALYTICAL GEOMETRY & CALCULUS I (MAT1301)

 SUNY SULLIVAN

Grades 11-12

.5 credit HS/4 credits College

This course includes: the geometry of a line, differentiation of algebraic and trigonometric functions, differentials, indefinite and definite integrals.

Prerequisite: Precalculus

*ELEMENTARY STATISTICS (MAT 1004)

 SUNY SULLIVAN

Grades 11-12

1 credit HS/3 credits College

Topics include: probability, frequency distribution, mean the standard deviation, binomial distribution, hypothesis testing, samples from finite sets, regression and correlation.

Prerequisite: Algebra I, Geometry, Algebra II

*COLLEGE ALGEBRA (MAT 1205) SUNY SULLIVAN

Grades 11-12

1 credit HS/4 credits College

Students learn about polynomials, radicals, trigonometry of right triangles, Laws of Sine and Cosine, and the following types of functions: linear, quadratic, polynomial, rational, radical, exponential, and logarithmic.

Prerequisite: Algebra I

MUSIC

SENIOR BAND

Grades 9-12

1 credit

The Senior Band performs 3-4 concerts per year and performs music from a variety of style periods. Group lessons are used to teach instrumental skills, and small ensembles are used to teach ensemble skills.

Prerequisite: Junior Band 8 or Audition

JAZZ BAND

Grades 9-12

.5 credit

This course is an audition-only music ensemble consisting of saxophones, trumpets, trombones, guitar, bass, piano, and drums. Students will prepare standard jazz and pop songs for performance at our concerts throughout the school year.

Prerequisite: Audition

SENIOR CHORUS

Grades 9-12

.5 credit

Students are assessed on daily basis as well as their performances, three times a year. Music will be chosen by the instructor in an effort to challenge the students' ability to understand dynamics, various basic forms, genres, and styles of music, and will be responsible for their given materials. The top ten most proficient and responsible students will be chosen to participate in the all-county festival.

CHAMBER CHORUS

Grades 9-12

.5 credit

This course is an advanced version of senior chorus, where students selected for this prestigious group must display leadership qualities and demonstrate a passion for singing.

Prerequisite: Audition

PHYSICAL EDUCATION & HEALTH

PHYSICAL EDUCATION

Grades 9-12

.5 credit

The physical education curriculum exposes students to a variety of activities, with an emphasis on lifetime sports and personal fitness. Traditional sports like soccer, touch football, basketball and softball are offered. Some of the lifetime sports introduced are tennis, golf, bowling, aerobics, and conditioning. Students are offered choices of activities every five weeks in a majority of the classes.

SENIOR HEALTH

Grades 9-12

.5 credit

The course's design and approach are geared to challenge the student's value system, and to inform/educate students about the long and short-term effects of the various lifestyle choices open to them. Topics include: major components of physiology and anatomy, diet and disease, mental health, sexuality, and drug education.

SCIENCE

LIFE SCIENCE: BIOLOGY

Grades 8-12

1 credit

This Regents level course covers biology content including the structure and function of living things, ecosystems, genetics, natural selection and evolution, Earth's systems and engineering design. Students are required to complete a minimum of 1200 laboratory minutes, including three mandatory investigations.

EARTH AND SPACE SCIENCES

Grades 9-12

1 credit

This Regents level course is a full year study of the following topics: earth and space systems, history of earth, weather, and climate, human sustainability, and engineering design. Students are required to complete a minimum of 1200 laboratory minutes.

GENERAL ENVIRONMENTAL SCIENCE

Grades 10-12

1 credit

This course integrates natural and social sciences to study the interrelationships between people and nature. Using an interdisciplinary approach that incorporates academic fields like ecology, agriculture, natural resource management, ethics, as well as environmental policy and law.

ASTRONOMY

Grades 10-12

.5 credit

This course offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments

and typically explore theories regarding the origin and evolution of the universe, space, and time.

HUMAN ANATOMY

Grades 10-12

.5 credit

This course presents an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

GEOLOGY

Grades 10-12

1 credit

This course provides an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.

FORENSIC SCIENCE

Grades 10-12

1 credit

This course focuses on the skills and concepts behind Crime Scene Investigation and Forensic Science. Topics include: entomology, crime scene mapping, blood and spatter, hair and fibers, DNA, fingerprints, impressions, ballistics, and anthropology.

Prerequisites: Algebra I and Living Environment

CHEMISTRY

Grades 10-12

1 credit

This Regents level course examines the following topics: atomic structure, bonding, acid bases, and rate of reactions, redox, stoichiometry, organic chemistry, and nuclear chemistry. Students are required to complete a minimum of 1200 laboratory minutes.

Prerequisite: Living Environment, Earth Science, and Algebra I

*INTRODUCTION TO BIOLOGY I (SCI 1050)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/4 credits College

This course provides an understanding of basic biological processes and principles for non-science majors. Topics covered include: the scientific method, the chemical and

cellular basis of life, mitosis and meiosis, Mendelian genetics, DNA structure and function, and evolution. In lab, students engage in basic laboratory work in which lecture topics are illustrated.

Prerequisite: Living Environment, Earth Science, and Chemistry

*INTRODUCTION TO BIOLOGY II (SCI 2050)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/4 credits College

This course is a continuation of Introduction to Biology I. Topics include human anatomy and physiology with units on the cardiovascular system, the respiratory system, the digestive system, the immune system, the nervous system, the excretory system, and the reproductive system. Topics also include ecology with units on communities and ecosystems, and population ecology. The lab builds upon skills acquired in Introduction to Biology I Lab. The lab consists of more advanced laboratory work. Experimental technique is stressed.

Prerequisite: Biology I with a grade of C or higher

*ENVIRONMENTAL SCIENCE (SCI 1515)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/4 credits College

This course introduces fundamental environmental concepts and explores the complex interactions between humans and the environment. Students will analyze environmental problems, develop strategies for solutions, and examine the connections between science, ethics, politics, and economics. Students will be expected to engage in class discussion and socratic seminars, create comprehensive projects and present information learned to the class, write multi page college level research papers on various environmental topics.

Prerequisite: Living Environment and Earth Science

*NUTRITION (SCI 1024)



SUNY SULLIVAN

Grades 11-12

.5 credit HS/3 credits College

This is a comprehensive course covering nutrition, diet, and menu planning using sound nutritional guidelines. Food chemistry including protein, carbohydrates, lipids, vitamins, minerals, and water are presented with respect to their

function within the body. The connection between food choices, specific nutrients and associated disease states are explored, as well as the changing nutritional needs of children and the elderly. The microbiology of food poisoning and food allergies are also covered.

Prerequisites: Living Environment and Earth Science

SOCIAL STUDIES

GLOBAL HISTORY & GEOGRAPHY 9H

Grade 9

1 credit

This is the first year of a two-year program. At the end of Global 10, students are required to take a Regents Examination covering the material studied in both Global 9 and Global 10. Honors Global 9 begins with prehistory and ancient civilizations and concludes with the time of the Renaissance. Throughout the course, we will also focus on geography and its effect on culture, government, economics, and history. Honors Global Studies is for students who have an ability to do a more in-depth study into the world and its people. Honors classes generally incorporate more reading, writing, and discussion at a higher level; use more challenging instructional materials; and take more challenging exams throughout the year.

Prerequisite: Teacher Recommendation; Please consult with School Counselor

GLOBAL HISTORY & GEOGRAPHY 9R

Grade 9

1 credit

This is the first of a two-year program. At the end of Global 10, students are required to take a Regents Examination covering the material studied in both Global 9 and Global 10. Global 9 begins with prehistory and ancient civilizations and concludes with the time of the Renaissance. Throughout the course, we will also focus on geography and its effect on culture, government, economics, and history.
Required course.

GLOBAL HISTORY & GEOGRAPHY 10H

Grade 10

1 credit

This is the second year of a two-year program. At the end of the class, students are required to take a Regents Examination. Global 10 begins with the Enlightenment and

continues through to the present, focusing on geography and its effects on culture, government, economics, and history. Honors Global Studies is for students who have an ability to do a more in-depth study into the world and its people. Honors classes generally incorporate more reading, writing, and discussion at a higher level; use more challenging instructional materials; and take more challenging exams throughout the year.

Prerequisite: Teacher Recommendation; Please consult with School Counselor

GLOBAL HISTORY & GEOGRAPHY 10R

Grade 10

1 credit

This is the second year of a two-year program. At the end of the class, students are required to take a Regents Examination. Global 10 begins with the Enlightenment and continues through to the present, focusing on geography and its effects on culture, government, economics, and history.
Required course.

*U.S. HISTORY UNTIL 1860 (HIS 1227)



SUNY SULLIVAN

Grade 11

.5 credit HS/3 credits College

This course is a study of the development of the United States from the pre-Columbian era to 1860. Students will analyze the European arrival in the Americas, expansion of colonial settlements, the American Revolution, the creation of the U.S. Constitution, Jacksonian democracy, westward expansion, and slavery.

*U.S. HISTORY 1860 TO 1940 (HIS 1228)



SUNY SULLIVAN

Grade 11

.5 credit HS/3 credits College

This course provides a survey of the development of the United States from the Civil War period to 1940. Students will analyze the Civil War, post-Civil War agricultural and industrial revolutions, urbanization, immigration, the emergence of the United States as a world power, World War I, and the Great Depression.

U.S. HISTORY & GOVERNMENT

Grade 11

1 credit

This Regents course emphasizes the history and development of the United States and surveys important national development in politics, government, foreign policy, and economics. An extensive body of material deals with the Constitution and its application to contemporary American issues.

Required course.

*MICROECONOMICS (ECO 1402)

 SUNY SULLIVAN

Grade 12

.5 credit HS/3 credits College

Students study microeconomics with the main emphasis on the economic problems of allocation, distribution, and efficiency in the American economy. The course includes a study of the market system, supply, and demand, the price system, the firm, and comparative economic systems. Emphasis is placed on specific segments of the American economy such as consumers, business, labor and agriculture. Environmental topics will include externalities, cap and trade, public goods and common resources.

*AMERICAN GOVERNMENT (POL 1341)

 SUNY SULLIVAN

Grade 12

.5 credit HS/3 credits College

Students develop an understanding of how the American political system works. The primary focus is on the structures, functions, and manipulations of the national government.

ECONOMICS

Grade 12

.5 credit

This course emphasizes market systems, the government's role in the economy, labor, and international trade. Various projects are required.

Required course.

GOVERNMENT

Grade 12

.5 credit

This course emphasizes the interaction between citizen and government at all levels: local, state, and federal. The

development of student participation in the processes of government is encouraged.

Required course.

*SURVEY OF WORLD CULTURES (SOC 1725)

 SUNY SULLIVAN

Grade 12

.5 credit HS/3 credits College

Students map global cultural identities by examining the elements of culture and how we define it. Areas of exploration include language, geography, migration, politics, urbanization, beliefs, economic development, neocolonialism, food, and agriculture. Students study the evolution of these elements from their historical to contemporary context.

*MUSIC APPRECIATION (HUM 1200)

 SUNY SULLIVAN

Grade 12

.5 credit HS/3 credits College

This is a general course to develop discriminating understanding and enjoyment of music through the study of its various elements, forms, and styles.

TECHNOLOGY

DIGITAL IMAGING & GRAPHIC DESIGN

Grades 9-12

1 credit

This course offers students' knowledge of the basic elements and principles of design for graphic production purposes. Students will complete hands on activities in image design, electronic imaging, equipment interfacing, and basic graphic systems theory. Students will learn computer graphics programs including Adobe Illustrator, InDesign, and Photoshop.

WORLD OF TECHNOLOGY

Grades 9-12

1 credit

This course will use project-based learning to: review resources for technology, explore the history and evolution of technologies, examine current events and future trends in technology, understand ethical issues in our technologically advancing world, and increase 21st century learning skills. Project work will focus on transportation

systems; structural systems; machines, mechanisms & motion; electronic systems; and communication systems.

DESIGN AND DRAWING FOR PRODUCTION

Grades 9-12

1 credit

This course meets the one-unit Art/Music requirement for graduation. Instruction will include topics such as sketching; types of technical drawing such as orthographic projection, pictorial drawing, sections, technical lettering; an introduction to drawing instruments; an introduction to architectural drawing; engineering design steps (problem solving); and the design and creation of introductory problem-solving projects. This is a fast paced, high activity-based program designed to provide students with skills for more advanced courses, entry-level jobs, and every day graphic communication needs.

DIGITAL MEDIA

Grades 10-12

1 credit

This course is designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. Students will learn technical skills and design fundamentals to create projects that may include web design, animations, 3D printed objects, video production, photography, and more.

Prerequisites: Design and Drawing for Production OR Digital Imaging & Graphic Design OR Art I

ARCHITECTURE

Grades 10-12

.5 credit

This advanced course is a comprehensive overview of architectural planning, designing, and drawing. Students will learn fundamental skills and concepts necessary to design interior and exterior spaces, develop form, create architectural drawings (floor plans, elevations, sectional detail, cabinetry, and site development), and generate drawings and models for presentation. If time allows, more detailed architectural drawings for construction systems & foundations, & framing systems.

Prerequisite: World of Technology OR Digital Imaging & Graphic Design OR Design & Drawing for Production

GREEN TECHNOLOGY

Grades 10-12

.5 credit

This course will explore all things "green" in technology. Students will learn about saving the planet one design at a time. The class will study alternative energies and build models such as wind turbines, alternative fuel vehicles, and solar house models. Students will design a sustainable community along with green architectural structures. Green product design and packaging will also help us address Mother Earth's stressors. An exploration of how to make our own houses more energy efficient and green technology careers will cap off the course.

Prerequisite: World of Technology OR Digital Imaging & Graphic Design OR Design & Drawing for Production

DISCOVERING COMPUTER SCIENCE

Grades 9-12

1 credit

This course is designed as an introduction to computer science for high school students who want to express themselves creatively and solve problems that are interesting to them using computational devices. This course is designed for students that have little or not experience studying computer-science. Through a series of engaging, hands-on labs and projects, students learn the fundamentals of computer programming using the block-based language *Netsblox*. Students will also study the world wide web, designing and creating their own websites by writing their own HTML, CSS, and JavaScript. Finally, students will explore drawing, animation, and problem-solving using Python. Throughout the course, computing history and current events in computer science will be incorporated. Special topics in computer science such as diversity, privacy, laws and regulation, artificial intelligence, assistive technology, and others will be incorporated.

*INTRODUCTION TO COMPUTER SCIENCE (CSIS 110)



Grades 10-12

1 credit HS/3 credits College

This Siena College dual-enrollment course is a broad introduction to a variety of fundamental topics in computer science through the theme of multimedia. Using the Python programming language, students express themselves

creatively and solve problems involving images, sounds, and animations. Students are also introduced to important computer science topics including data representation, computer organization, history and societal impact of computing, and artificial intelligence.

Prerequisite: Discovering Computer Science OR Instructor Permission

***WEB DESIGN (CSIS 180)**



Grades 10-12

1 credit HS/3 credits College

Web Design is a hands-on course covering the history and development of the Internet, the Web and the core technologies used to implement modern websites. Students will design and implement websites using semantic markup languages, style sheets, and various software tools and applications. The course will include techniques for integrating a wide range of media formats, and design fundamentals needed in implementing effective, user-friendly websites.

Prerequisite: Discovering Computer Science OR Instructor Permission

THE CAREER & TECHNICAL CENTER

THE MISSION OF THE SULLIVAN BOCES CAREER & TECHNICAL CENTER

Grades 11-12

The Career & Technical Center provides students with the knowledge and skills needed to succeed in the 21st century. Emphasis is placed on trade-specific skills, general employability training, and applied academics. Graduates leave the program prepared to enter the workforce and/or post-secondary training institutes and colleges.

Courses are redesigned annually, based upon employment potential, student interest, and feedback obtained from occupation-specific craft committees. Courses vary in length and are taught by experienced instructors with many years of job service in their fields. Each course is designed to provide individual instruction to allow a student to learn at his or her own pace. Courses emphasize a hands-on approach. Each teacher maintains close ties with business and industry to keep current on employer needs.

HIGHLIGHTS

- Students learn foundational skills, including technical reading and writing, applied math, communication, and computer literacy.
- The Career & Technical Center provides a New Visions program for high school seniors with internship rotations in the fields of advanced Health.

TWO YEAR PROGRAMS

ANIMAL SCIENCE
AUTOBODY COLLISION TECHNOLOGY
AUTOMOTIVE TECHNOLOGY
BROADCASTING & MUSIC PRODUCTION
CONSTRUCTION TECHNOLOGY
COSMETOLOGY
CULINARY ARTS
EARLY CHILDHOOD EDUCATION
ELECTRICAL
EMERGENCY MEDICAL TECHNICIAN
FIRE SCIENCE
HEALTH OCCUPATIONS
INNOVATIVE DESIGN
NATURAL RESOURCES
PUBLIC SAFETY SERVICES
WELDING

ONE YEAR PROGRAMS

ALLIED HEALTH
NEW VISION HEALTH

For course descriptions and additional information regarding programs, go to www.scboces.org.