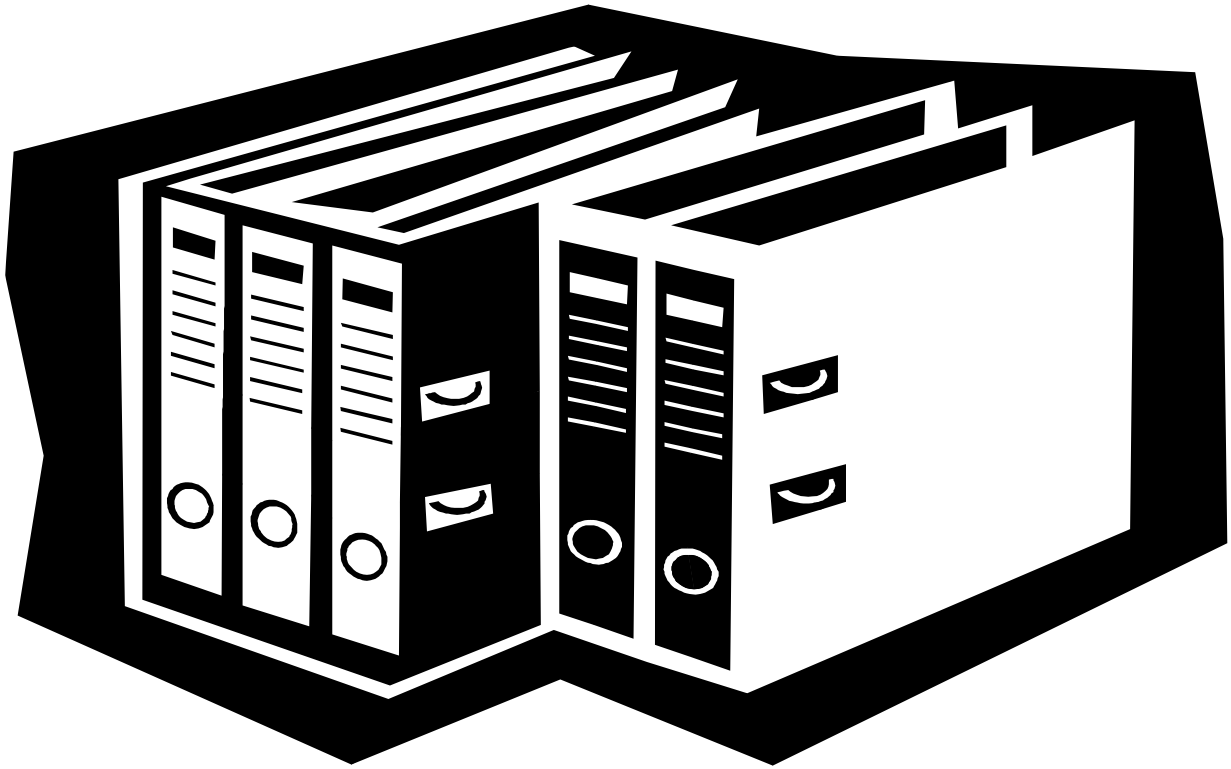




FALLSBURG

Home of the Comets!

CENTRAL SCHOOL DISTRICT



***Fallsburg Junior- Senior
High School
Course Description Handbook
2019-2020***

SUPERINTENDENT OF SCHOOLS

Dr. Ivan Katz

ASSISTANT SUPERINTENDENT OF INSTRUCTION

Dr. Matthew Evans

PUPIL PERSONNEL DIRECTOR

Ms. Leighanne Russell

ASSISTANT PUPIL PERSONNEL DIRECTOR

Ms. Michele McCoy

BOARD OF EDUCATION

Ms. Debra Barbiani – *President*

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HIGH SCHOOL ADMINISTRATION

Ms. Dawne Adams – *Principal*

Mr. Louis Trombetta – *Interim Assistant Principal*

ATHLETIC DIRECTOR

Ms. Suzanne Lenzian

HIGH SCHOOL GUIDANCE

Ms. Sonja Ferreira

Ms. Meryl Giarrizzo

Mr. Joe Levner



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	Electives
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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	Electives
<hr/>	
22 units	

* REGENTS EXAMS REGENTS DIPLOMA

1	English Language Arts
1	Math
1	Social Studies
1	Science
1	Pathway Regents
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5 Regents Exams	

**REGENTS EXAMS ADVANCED DIPLOMA

English Language Arts	
Algebra 1	
Geometry	
Algebra 2	
Global History & Geography	
U.S. History & Government	
Science	
Science	
Foreign Language*	
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*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 have earned 16.5 credits **AND** 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

STUDIO ART

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.

STUDIO IN DRAWING AND PAINTING

Grades 10-12

1 credit

This course is recommended for students who wish to build a portfolio for college and career. Students will explore in depth explorations of drawing and painting techniques which include but are not limited to subjects such as still life, figure, portrait, and landscape. Techniques include working with charcoal, conte, watercolor, acrylic, and oil paints. This course stresses ongoing self-assessment as well as independent exploration of artistic development.

Prerequisite: Studio Art

STUDIO IN CERAMICS

Grades 10-12

1 credit

Students work with clay to create ceramic objects. The course is designed to build upon handbuilt techniques and develop wheel-throwing skills. This course will emphasize surface texture and advanced glazing techniques. Students will be challenged to use their ceramic knowledge and skills to design and develop projects in which they will create functional and non-functional objects. This course

is recommended for students who wish to build a portfolio for college or career.

Prerequisite: Studio Art

STUDIO IN PRINTMAKING

Grades 10-12

.5 credit

Students will explore an in depth approach to creating prints through various methods. These methods include woodcuts, linoleum blocks, stamps, and silk screening. Students will also experiment with different materials like watercolor and colored pencils to alter their prints. Students will be encouraged to explore their own artistic style through experimentation with materials. This course is recommended for students who wish to build a portfolio for college or career.

Prerequisite: Studio Art

STUDIO IN 3D DESIGN

Grades 10-12

.5 credit

Students will learn the principles of three-dimensional design focusing on techniques including assemblage, carving, casting, and modeling. Possible materials include: plaster, stone, wood, paper mache, glass & 3D printing. Emphasis in this course will be placed on each student's individual artistic development. This course is recommended for students who wish to build a portfolio for college or career.

Prerequisite: Studio Art

STUDIO IN CONTEMPORARY CRAFTS

Grades 10-12

.5 credit

Students will explore an in depth approach to design through the creation of crafts in various materials. Subjects and exploratory projects include jewelry, fiber arts, batik, printmaking, ceramics, book making, and mosaics. Students will learn about the role, form, and function in the traditional arts from around the world. This course is recommended for students who wish to build a portfolio for college or career.

Prerequisite: Studio Art

MIXED MEDIA ART

Grades 10-12

.5 credit

A challenging half year course which involves the study of mixed media, or combining more than one material in the production of art. Students will work independently to develop concepts for artworks. They will explore the combination of a variety of media which can include, but is not limited to paint, ink, graphite, found objects, yarn, clay, and mosaics in the creation of that work.

Prerequisite: Studio Art

STUDIO IN STAGE DESIGN

Grades 10-12

1 credit

This full year course covers the fundamentals of stage design, including drafting elevations and plans, model construction, understanding of tools and materials, rigging and stage architecture. It will also help students to utilize the principles and elements of visual design as they relate to the areas of scenery, costume, and lighting. Students will have the opportunity to apply their knowledge in creating large-scale collaborative paintings, as well as, sets for the school's musical and other performances

Prerequisite: Studio Art

INDEPENDENT STUDY IN 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. *Students must have prior permission from the instructor to enroll in this course.

Prerequisite: Advanced Art courses

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 9-12

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

1 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.

FASHION BUSINESS AND MARKETING

Grades 11-12

.5 credit

Course designed for students interested in pursuing a career in fashion and retail. Designing and production as well as topics of Marketing and promotion will be covered.

BUSINESS LAW

Grades 11-12

.5 credit

Recommended for all students considering a career in Business and Entrepreneurship. Will be beneficial to any student who wants to be more educated when dealing with contracts. Laws that will affect the individual in everyday life and those seen from a business perspective are studied. Early units examine laws as it affects society, the minor, consumers, and the business community. A unit on enforcement includes discussion on types of crimes, torts, and the court system. Units on contracts, insurance wills, and real property are also discussed.

ENGLISH

ENGLISH 9 REGENTS HONORS

Grade 9

1 credit

This Common Core 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 9 REGENTS

Grade 9

1 credit

This Common Core 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 10 REGENTS HONORS

Grades 10

1 credit

This Common Core 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 10 REGENTS

Grade 10

1 credit

This Common Core 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.

SAT: READING PREP

Grades 10-12

.5 credit

This course will cover strategies and techniques for mastering the SAT Critical Reading and Writing sections.

AP ENGLISH LANGUAGE AND COMPOSITION

Grade 11

1 credit

This course will teach students to read analytically and to write critical and analytical essays based on various literary genres. The course culminates in BOTH the Common Core English Regents Exam AND the AP English Language Exam.

ENGLISH 11 REGENTS

Grade 11

1 credit

This Common Core 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 Common Core English Regents Exam.

Required course.

AP ENGLISH LITERATURE AND COMPOSITION

Grade 12 *1 credit*

This course will teach student to read selected poems and prose passages analytically and to write critical and analytical essays based on various literary genres. This course culminates in the AP English Literature Exam.

ENGLISH 12 WORLD LITERATURE

Grade 12 *1 credit*

This Common Core 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.

*ENGLISH COMPOSITION I (SUNY SULLIVAN)

Grade 12 *.5 credit HS/3 credits College*

This is a writing intensive course in which students draft and revise college-level essays. Students study the conventions of academic prose, examine various methods of organization and development, and learn research skills.

Prerequisite: Minimum score of 78 on ELA Regents OR pass SUNY Sullivan Placement Assessment

*FUNDAMENTALS OF SPEECH (SUNY SULLIVAN)

Grade 12 *.5 credit HS/3 credits College*

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

FOREIGN LANGUAGE

SPANISH 1

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 2

Grades 9-12 *1 credit*

Students will delve deeper into the topics introduced in Spanish 1, 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, preterite, 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 1

SPANISH 3

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 2

*SPANISH 4 (Spanish Language and Culture I) (*SUNY SULLIVAN)

Grades 11-12 *1 credit HS/3 credits College*

This course provides students with exposure to Spanish culture through the study of language, utilizing popular media, and culture-oriented text. The course covers language structure essential for basic communication in Spanish. Students will work with reading comprehension, art and realia that are authentic to the Spanish-speaking world. The topics will connect to real communication needs. Students will also practice grammatical concepts using a variety of tasks that include concrete activities as well as open-ended tasks that focus on communication. This course focuses on the application and expansion of the skills acquired in Spanish 1-3. A firm grasp of the basic grammatical and syntactical structures is assumed.

Prerequisite: Spanish 3

SPANISH FOR NATIVE SPEAKERS 1

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 2

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 1

***THE SPLENDOR OF SPAIN: ART AND CULTURE (*SUNY SULLIVAN)**

Grades 10-12

.5 credit HS/3 credits College

This course focuses on the Iberian civilization of Spain: its people, life, and culture from the earliest settlers, through the Middle Ages and the Golden Age, to the present day. The diverse society of religion, as well as the distinctive regions, ethnic groups, the great Spanish painters, traditions, and festivals will be explored. Traditional Spanish music and dance are also examined. Spain is studied from historical and intellectual perspectives, including contemporary life in Spain (women's issues, the new democracy and the monarchy, family values, and student life in Spain) are topics that will be researched by students throughout the semester. This research will be done for the final essay.

Prerequisite: Spanish for Native Speakers 2

***LATINO FILMS IN THE U.S. (*SUNY SULLIVAN)**

Grades 10-12

.5 credit HS/3 credits College

This course is not intended to be a study of film and film techniques. It is designed to study images and representations of Latinas(os) in motion picture and some independent films in order to help us understand the social relation, establishment and behavior towards Latinos. This

analysis will help us draw parallels between representations and the treatment Latinos receive in society, as well as parallels between representations and issues facing Latino/a communities in the United States. The films/movies discussed in this class will serve as illustrations and as tools for critical analysis of social dynamics; they shall be used as a means of documenting the connections between societal constructions of ethnic groups (by way of Latinos/as) and the predicaments those groups face in society- stereotypes, Latino imagery in Hollywood, Latino representation in mainstream cinema, multicultural dynamics, Chicano social problems, immigration, etc. Students will engage in the course topics through a variety of readings, in-class discussions, audio-visual materials, research, and several writing assignments.

Prerequisite: Spanish for Native Speakers 2

***LITERATURE & CINEMA OF LATIN AMERICAN (*SUNY SULLIVAN)**

Grades 10-12

.5 credit HS/3 credits College

This course examines recent film from Latin America, studied in social, political, and cultural context. The films are from a variety of countries and are studied together with readings, and other cultural materials, through class discussions and written assignments.

Prerequisite: Spanish for Native Speakers 2

***LITERATURE & CINEMA OF CONTEMPORARY SPAIN (*SUNY SULLIVAN)**

Grades 10-12

.5 credit HS/3 credits College

This course offers students an overview of modern Spain with respect to history and culture. A wide array of cultural topics from the 20th-21st centuries will be presented in their historical contexts and will include the following areas such as film, and other public spectacles and traditions. The historical periods will be broken down into the following: Pre-Civil War, Civil War, Franco dictatorship, and the current democracy. Economic, social, religious, and political issues for each period will also be considered. Students will engage in the course topics through a variety of readings, in-class discussions, audio-visual materials, research, and several writing assignments. This course will be taught in Spanish with readings in English.

Prerequisite: Spanish for Native Speakers 2

***SPANISH HISTORY (*SUNY SULLIVAN)**

Grades 10-12 .5 credit HS/3 credits College

Students will be taken through Spain's history and learn about how Spain came to be, from its prehistory into the old ages, and up to its present time. Students will learn about Spain's politics, religion, invasions, etc.

Prerequisite: Spanish for Native Speakers 2

***LATIN AMERICAN HISTORY (*SUNY SULLIVAN)**

Grades 10-12 .5 credit HS/3 credits College

Students will be taken through Latin America's history. Students will learn about Indigenous civilizations all across Latin America, its geography, social classes, ethnicity, family and education in Latin American countries from prehistory up to its present.

Prerequisite: Spanish for Native Speakers 2

***LITERATURE & CULTURE OF CARIBBEAN ISLANDS (*SUNY SULLIVAN)**

Grades 10-12 .5 credit HS/3 credits College

Students will read Spanish classic literature, Latin American literature and short stories, Black Hispanic literature and Caribbean literature. Students must have a great ability communicating, writing, and reading in their native language. Literary analysis will take place in this class.

Prerequisite: Spanish for Native Speakers 2

***LITERATURE OF SPAIN (*SUNY SULLIVAN)**

Grades 10-12 .5 credit HS/3 credits College

This course will deal with Spanish literature produced during the XVIII and XIX centuries, in two sections focused comparatively with respect to the same tendencies in other countries. The first section will be on the characteristics of the Age of Enlightenment presented in Spain and the continuity of a type of Baroque literature coexisting with Enlightenment literature. The second block will be focused on the 19th century literature in its two main lines, romanticism and realism. With this orientation the students are expected to obtain a dynamic vision of Spanish literature, with which they can interconnect the knowledge they may already possess or with that which they may possess in the future.

Prerequisite: Spanish for Native Speakers 2

MATHEMATICS

ALGEBRA 1

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.

GEOMETRY

Grades 9-12 1 credit

This is the second course of the New York State Regents Sequential Math Program. This course incorporates the topics of Euclidean Geometry, Analytic Geometry, Logic, mathematical systems, and further explorations of Algebra.

Prerequisite: Algebra 1

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.

SAT: MATH PREP

Grades 10-12 .5 credit

This course will cover strategies and techniques for mastering the SAT Mathematics section.

ALGEBRA 2

Grades 10-12 1 credit

This is the third course of the New York State Regents Sequential Math Program. This 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

***PRE-CALCULUS (*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 2

***CALCULUS (*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: Pre-Calculus

***ELEMENTARY STATISTICS (*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 2

GENERAL MATH

Grades 9-12 1 credit

This course is designed to provide students with financial literacy skills, and will empower students to make appropriate personal economic choices as they enter college and careers. Topics include: owning a car, auto financing, insurance and investments, budgeting, net and gross pay, income taxes, banking services, loans and credit cards with compounded interest, and business technologies. This course is also a review of basic algebra.

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

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.

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.

HEALTH EDUCATION

Grades 9-12 .5 credit

The course's design and approach is 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

LIVING ENVIRONMENT

Grades 8-12

1 credit

This Regents level course covers biology content, including the nature of living things, cell biology, structure and function of the human body, genetics, evolution, and ecology. Students are required to complete a minimum of 1200 laboratory minutes, including four mandatory State Labs. Labs will include microscopy and dissection skills.

EARTH SCIENCE

Grades 9-12

1 credit

This Regents level course is a full year study of the following topics: investigating processes of change; the earth mode, the earth's energy budget; the rock cycle the history of the earth. Students are required to complete a minimum of 1200 laboratory minutes.

ENVIRONMENTAL, NATURAL RESOURCES, AND CONSERVATION

Grades 10-12

1 credit

This integrated physical science course will explore the following topics: the solar system & planet earth, mapping & navigation, plate tectonics, life on earth, natural cycles, ecology, earth's natural resources, energy production & conservation, environmental impact of residential and commercial development, and "green" technology.

GENERAL PHYSICAL SCIENCE- PHYSICS

Grades 10-12

.5 credit

This course addresses the proper procedures for lab participation including safety, measurement, and calculation. Topics covered include energy forms such as electrical, light, heat, and how they can be measured and applied. The study of electricity, magnetism, light and sound are also highlighted.

GENERAL PHYSICAL SCIENCE- CHEMISTRY

Grades 10-12

.5 credit

This course addresses the proper procedures for lab participation including safety, measurement, and calculation. Topics covered include composition at the atomic and subatomic level, types of reactions involving matter, reactivity involving reactions, identification of substances by formula and name, and the study acids and bases.

STUDY OF HUMAN DISEASES

Grades 10-12

.5 credit

This course will provide students with a basic understanding of the nature and cause of human diseases, and the educational interventions to prevent or control them. Common infectious diseases (flu, lyme disease) and chronic lifestyle diseases (heart disease, stroke, diabetes, etc) will be explored. This course is designed for students who wish to explore some of the human body systems in a more in-depth level, and who wish to understand some of the disruptions that occur within these systems.

Prerequisite: Living Environment

ANIMAL ECOLOGY

Grades 10-12

.5 credit

Animal ecology is a course designed to give students a deeper understanding of terrestrial organisms and their interaction with the environment. Animal ecology is a broad topic and will include content from the following fields: behavioral ecology (how an animal's behavior affects its ability to survive and reproduce in its environment), population ecology (study of the effects of population size on animals and the environment), and evolutionary ecology (adaptations of animals to different or changing environments).

FORENSIC SCIENCE

Grades 10-12

1 credit

This course focuses on the skills and concepts behind Crime Scene Investigation and Forensic Science. Whether you desire to be a Crime Scene Investigator, Forensic Pathologist, other medical scientist, or just find forensics interesting, this course will help you hone your investigative

skills and review a wide range of science concepts. Topics covered will include: history of Forensic Science, Crime Scene Processing, physical evidence, blood and blood spatter, fingerprinting, autopsies, Forensic Anthropology & Archeology, Forensic Entomology, drugs & toxicology, glass comparison, serology & DNA, hair & fiber trace evidence, soil comparison, firearm comparison, tool marks & impressions, document examination, Digital Forensics, and various careers in Forensics.

Prerequisites: Algebra I and Living Environment

MARINE BIOLOGY

Grades 10-12 *.5 credit*

This course is designed for students with an interest in marine biology and oceanography. Major topics include the study of: the interrelationship of marine and terrestrial environments, the geology of the oceans, marine organisms, and the ecology of coral reefs. Marine specimens are examined through laboratory activities.

Prerequisite: 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: Algebra I and Geometry

PHYSICS

Grades 11-12 *1 credit*

This Regents level course covers physics content, including mechanics; kinematics; electricity and magnetism; oscillations and waves; atomic, nuclear, and particle physics. Physical phenomena are investigated through laboratory activity. Students are required to complete a minimum of 1200 laboratory minutes.

Prerequisites: Algebra I and Algebra 2

AP BIOLOGY

Grades 11-12 *1 credit*

This in-depth course builds on the foundation established in Regents Living Environment. It is designed to give students

a broader background and more sophisticated laboratory experience. At the conclusion of the course, the student will have the skills for a more competitive college biology program.

Prerequisite: Living Environment, Earth Science, and Chemistry

***ZOOLOGY (*SUNY SULLIVAN)**

Grades 11-12 *1 credit HS/4 credits College*

This course serves as an introduction to the study of the comparative anatomy and physiology, evolution, ecological relationship, and behavioral patterns of representative invertebrates and vertebrates. Laboratory work includes comparative studies on representative major groups and makes extensive use of living material.

Prerequisites: Living Environment, Earth Science

SOCIAL STUDIES

GLOBAL HISTORY AND GEOGRAPHY 9 REGENTS HONORS

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 AND GEOGRAPHY 9 REGENTS

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 AND GEOGRAPHY 10 REGENTS HONORS

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 AND GEOGRAPHY 10 REGENTS

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.

HISTORY OF MASS MEDIA

Grades 10-12 *.5 credit*

This course will examine the history and influence of mass media. Students will have an understanding of how media has influenced American Political, Economic and Social systems.

AMERICA- 1960'S TO PRESENT

Grades 10-12 *.5 credit*

This course will expose students to the changes our country went through in this critical period of its history. Terms such as radical, liberal, conservatism, will be incorporated into this study along with the social and economic changes that shaped our country in the last 60 years.

AP AMERICAN HISTORY

Grade 11 *1 credit*

This challenging course is meant to serve as a freshman college class from which students can earn college credit. Solid reading and writing skills, along with a willingness to devote considerable energy to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents and historiography. A research paper will be required.

UNITED STATES HISTORY AND 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.

***AMERICAN HISTORY THROUGH FILM (*SUNY SULLIVAN)**

Grades 11-12 *.5 credit/3 credits College*

This course examines twentieth-century American history through film. Students explore key periods in recent American history and then watch popular films from each era, whereupon they critically analyze how American cultural and social conflicts are portrayed and resolved in popular films and how motion pictures create a window into American culture and society. Students examine also the history of the American film industry.

Prerequisite: Global Studies 10 Regents

***THE COLD WAR (*SUNY SULLIVAN)**

Grades 11-12 *.5 credit/3 credits College*

In this course students analyze the history of the Cold War from its beginnings at the end of World War II to the fall of Communism in Europe in 1989. This includes an in depth consideration of how our present world has been shaped by the post World War II international organizations, the rivalries and policies of the great powers in the context of emerging third world nations, and the seminal crises and events of the Cold War to include among others: the Korean

War, the Suez Crises, the Vietnam War, the Cuban Missile Crisis, the Arms Race, the Space Race and Detante.

***HISTORY OF THE HOLOCAUST (*SUNY SULLIVAN)**

Grades 11-12 .5 credit/3 credits College

This course is designed to broaden students' knowledge of the Holocaust. The class examines the formation and growth of the Nazi movement, the mass deportations, the concentration camps, and the experience during and after the war of the survivors of those camps.

Prerequisite: Global Studies 10 Regents

***HISTORY OF SULLIVAN COUNTY (*SUNY SULLIVAN)**

Grades 11-12 .5 credit/3 credits College

Students learn the history of the Sullivan County from its glacial formation through the Indian and early settlement period to the present. Some of the special subjects to be covered include: rafting, the tanning industry, the Delaware & Hudson (D&H) Canal, railroads, resorts, and current trends in Sullivan County.

Prerequisite: Global Studies 10 Regents

***MACROECONOMICS (*SUNY SULLIVAN)**

Grade 12 .5 credit HS/3 credits College

Students study macroeconomics with the main emphasis on solving the problems of economic growth and stability. The course includes the study of such topics as monetary policy, fiscal policy, employment, inflation, international trade, and current economic problems.

***AMERICAN GOVERNMENT (*SUNY SULLIVAN)**

Grade 12 .5 credit/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.

PARTICIPATION IN 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. 20 community service hours are required to earn credit.

Required course.

***PSYCHOLOGY (*SUNY SULLIVAN)**

Grades 11-12 1 credit HS/3 credits College

This course serves as a general introduction to the scientific study of psychology. General principles of human behavior and mental processes, as revealed through various psychological scientific methods of inquiry, are explored. This basic introduction to psychological research allows students to critically evaluate the topics found within the broad discipline of psychology. Topics in this introductory survey include biological foundations of behavior, sensation and perception, learning, motivation, cognition, human development, abnormal behavior, personality theory, and social and health issues as studied by psychologists.

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 9-10 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 10-12

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 PHOTOGRAPHY 1

Grades 10-12

.5 credit

This advanced course is designed for students who want to explore the art and technology of digital photography. Students will learn basic camera settings and use the elements and principles of design along with composition guidelines for photography to shoot and process a variety of subjects. Students will learn how digital cameras and computers process images as well as how to manipulate images with Adobe Photoshop.

Prerequisites: Design and Drawing for Production OR Studio Art

DIGITAL PHOTOGRAPHY 2

Grades 10-12

.5 credit

This advanced course is designed for students who want to explore the art and technology of digital photography in more depth. Students will use their knowledge of Photography 1 in addition to new material to shoot and process a variety of subjects in studio and on location such as portraiture, lighting, depth of field & aperture manipulation. Students will learn various techniques for photo display and presentation.

Prerequisites: Digital Photography 1

COMMUNICATION SYSTEMS

Grades 10-12

.5 credit

Introduction to Communication courses enable students to understand and critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of information, entertainment, and communication to influence opinion; improvement of presentation and evaluative skills in relation to mass media; recognition of various techniques for delivery of a particular message; and in some cases, creation of a media product. The course may concentrate on a particular medium.

Prerequisite: Digital Imaging & Graphic Design OR Studio Art

ARCHITECTURE

Grades 11-12

.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: Design and Drawing for Production

PRODUCT DESIGN & INNOVATION

Grades 11-12

.5 credit

This course offers students a follow up course to Design and Drawing for Production. Students will engage in a variety of design and engineering based projects for deeper discovery and understanding of creating to meet society's needs and wants. Projects will be based on student interest and may include construction technology, aerospace engineering, product design, etc. Students will also explore career fields pertaining to technology, design, and engineering.

Prerequisite: Design and Drawing for Production

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
COMMERCIAL DRONE AVIATION PILOT
CONSTRUCTION TECHNOLOGY
COSMETOLOGY
CULINARY ARTS, SCIENCES
EARLY CHILDHOOD EDUCATION
HEALTH OCCUPATIONS
INNOVATIVE DESIGN
NATURAL RESOURCES
PUBLIC SAFETY SERVICES
WELDING

ONE YEAR PROGRAMS

NEW VISIONS HEALTH

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