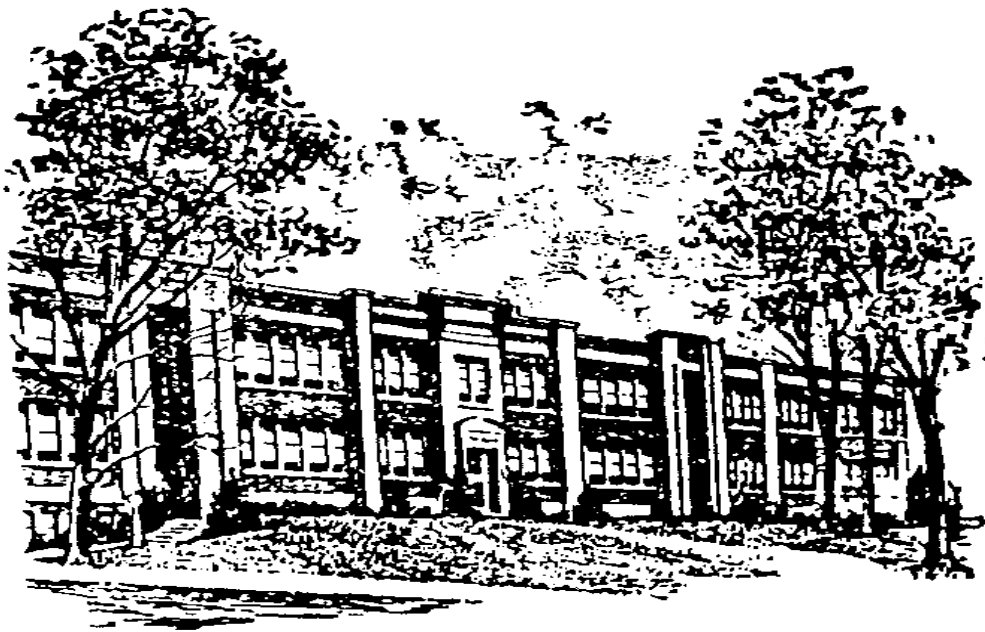


Schoharie High School

Course Description Guide



IN THE PURSUIT OF EXCELLENCE

2024-2025

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INTRODUCTION

This curriculum guide contains a brief description of the courses of study offered at Schoharie High School and information designed to assist students in planning an appropriate program of study. Students should consider diploma requirements, abilities, interests, and goals when developing their high school program. The process should include consultation with parents/guardians, teachers, and counselors to make sound choices. Careful program planning will enable students to work toward their educational, career, and personal goals.

SCHEDULING

HIGH SCHOOL DIPLOMA REQUIREMENTS

Required “Core” Subjects	Regents Diploma	Advanced Regents Diploma
English	4 Units	4 Units
Social Studies	4 Units	4 Units
Mathematics (A)	3 Units	3 Units
Science (A)	3 Units	3 Units
Second Language	1 Unit (B)	3 Units (C)
Health	½ Unit	½ Unit
Art and/or Music	1 Unit	1 Unit
Electives	3 ½ Units	1 ½ Units
Physical Education	2 Units	2 Units
TOTAL	22 Units	22 Units

* Regents or Advanced Regents with Honors: Students must obtain an average of 90 on required Regents Exams.

**Exams Needed For Diplomas:
Students Entering Grade 9 in:**

2011 and beyond - Local Diploma offered for Special Education students only (55-64 on Regents exams)

2012 and beyond - Regents – Algebra, Global History, US History, English, Science (65+%) OR Algebra, Global, OR US History, English, Science & one additional Math or Science Regents exam.

2012 and beyond - Advanced Regents – Algebra, Geometry, and Algebra 2, Global History, US History, English, 2 Science Regents, Second Language (65+%)

- A) An integrated course in mathematics/science may be used to satisfy the requirement for a third unit of credit in mathematics or science.
- B) Students are required to have completed two units of study in a Language Other Than English (LOTE) by the end of their 9th grade year. One unit of credit is earned either by passing LOTE and the local exam in 8th grade or earning a unit of commencement level credit in LOTE.
- C) Students acquiring 5 units of credit in one of the following may be exempt from the LOTE requirement for an Advanced Regents Diploma: Technology, Agriculture, Business, or Career & Technical Education.

Re-taking Regents Exams – Students will be encouraged to **retake** a Regents Exam in English, Social Studies, Math, Science or a Second Language if they score lower than 65. Students can retake exams as many times as needed and will be placed in AIS for review and support. The Regents score obtained on retakes (if higher) will be reflected on their high school transcript. Course final averages will not be changed as a result of retakes. Please note – every year there are scholarships available to students with the highest Regents exam marks; therefore, retakes for high achieving students may be appropriate.

Challenging a Regents exam - Students who would like to challenge a Regents exam must obtain prior approval from the principal and the cooperating teacher. To obtain credit for a challenged exam, a student must obtain a grade of 85 or better on the Regents exam and complete a project, supervised by the teacher of the course. An application must be completed by September 30 of the year in which the challenge is requested.

Requirements for Promotion

Grade 9	Completion of 8 th Grade Requirements
Grade 10	5 Credits
Grade 11	10 Credits
Grade 12	15 Credits

Accumulated credits must contain core subjects (English, Social Studies, Math, and Science). Retention is determined on an individual basis by administration.

Minimum Credits

All students are strongly encouraged to carry a course load of 6.5 credits each year, including physical education. All students are expected to maintain complete and challenging schedules. **Seniors with special circumstances who wish to have early dismissal must apply to the principal.**

Dropping a Course

Counselors may consider a change in schedule only during the first 7 days of each semester provided that the student's schedule does not drop below 6.5 credits. A course may be added until this point as well.

A schedule change due to academic difficulty may be considered after five weeks provided:

- A. Parents submit written request.
- B. Student is carrying the minimum number of required courses.
- C. Student has made a sincere effort to succeed.
- D. Student, parent, teacher, guidance counselor, and principal are in agreement regarding the change.

Students dropping a full-year course after 25 weeks or a half-year course after 15 weeks will receive a WD on their report card and final transcript. Students will not be permitted to drop a full-year course after 35 weeks or a half-year course after 18 weeks.

Early Graduation

The standard four-year program is suited to most students in terms of their emotional, physical and intellectual development. It is also most readily adaptable to post high school educational and vocational plans. Special situations may occur in which students may need to shorten the length of their high school program. Such a decision must involve parents, principal, guidance counselors and the student, and may take some advance planning to ensure that all academic requirements are met.

No Doubling Up Policy

Students who fail a required English course are not allowed to double-up in a specific subject area in an attempt to catch up. Students will be required to retake the course in summer school or repeat the entire failed course the next year.

SCHOOL COUNSELING SERVICES

Schoharie Central School Counseling Department Foundation

Mission Statement

- To provide a comprehensive, developmental counseling program that creates a climate of academic excellence and social responsibility that prepares the next generation of college and career ready citizens.
- School Counselors are professional advocates who collaborate with the other educators, parents/guardians, and community stakeholders to maximize student potential and academic achievement.
- School Counselors believe that all students are capable of developing and demonstrating the knowledge, skills, abilities, and character needed to participate in the global society as responsible citizens.

The purpose of the School Counseling program is to assist students as they identify and realize their personal goals. This is achieved through counseling, consultation, and coordination.

Counseling is provided in individual, small, and large group settings. Topics include career/life planning, college advisement, decision making, social skills, development, transitional adjustments as students move from grade to grade, crisis intervention, peer relations, and academic planning. Each student completes an annual review which incorporates academic planning, course selection, and post high school plans.

Consultation services include conferences with parents, teachers, school support services, and administrators. We encourage students to participate in the development of personal plans that will influence their future.

Coordination activities include college/university/armed services visits, career speakers, national testing information, community services, job training coordinators, and referral services.

We encourage students and parents to call on us with questions or concerns regarding academics, vocational, or personal goals.

Mrs. Kenyon (6-8)
School Counselor

Mr. Ringuette (9-12, A-L)
School Counselor

Mrs. Borst (9-12, M-Z)
School Counselor

AGRICULTURE

Get involved in NY's largest industry - it's more than cows, sows and plows! Agriculture is quickly becoming the nation's largest and most diverse career choice - nearly 1 in 5 workers in the US are employed in the agriculture industry. If you eat, you're involved in agriculture! Learn about where your food comes and how the agriculture industry impacts you by enrolling in an agriculture course!

FFA

Students enrolled in an agricultural course are also enrolled as FFA members. FFA is the largest student organization in the US! Members are eligible for scholarships, competing in competitions, participating in leadership development events and making a difference in their school and community. The best part? It's not just for farmers! See Ms. Dunbar for more information!

BASIC WELDING

Grades 9-12 (1/2 credit)

This course introduces the student to the fundamentals of Welding. It provides the student with opportunities for hands-on training in shielded metal arc welding (SMAW), gas metal arc welding (MIG) and oxyfuel gas welding. The student will also be instructed in the safe use of a plasma cutter, oxyacetylene cutting torch and various saws and grinders. The student will receive training in welding and machine shop safety practices.

SMALL ENGINE REPAIR

Grades 9-12 (1/2 credit)

This course focuses on Small Engine operation, maintenance, and repair. It is an intense hands-on training program that will examine all five areas of two and four cycle engine operations. Students will be introduced to the following skills: shop safety, hand & power tool management, engine rebuilding, and troubleshooting techniques.

FLORAL DESIGN

Grades 8 – 12 (1 credit)

Throughout this course, students will demonstrate an understanding of the principles and elements of floral design. Students will prepare flowers and plants for floral arrangements. In addition, students will prepare floral arrangements for special occasions using the principles and elements of design, such as designing single flower boutonnieres to multiple flower arrangements. It will also give students a hands-on opportunity to use their own creativity and artistic abilities in preparing their principles and elements of design. In addition, students will become more familiar with the different aspects in the floral design industry. This course will cover a wide variety of topics and artistic techniques. Have you ever made a barn quilt or put your food into art? In this course, you will investigate the visual resources of the science and practice that sustains human life: agriculture. The entirety of this course will be project-based.

*May be used as fine art requirement

HORTICULTURE

Grades 10 – 12 (1 credit) Prerequisite: Living Environment

How do we grow enough food for a rising population? Students in this course will dive into the exciting world of plants and their role in our everyday lives. This high-tech, hands on course will also include managing the school greenhouse and outside gardens.

***May be used as 3rd science credit**

SMALL ANIMAL CARE

Grades 9-12 (1/2 credit)

This course will be an introduction to Animal Science topics and cover all small animal pets/companion species with small exotics. We will cover ownership/responsibilities, management of those animals, welfare/rights legislations, and classifications, diseases, training, grooming, breeds and housing. We will be hoping to develop responsible pet owners.

LIVESTOCK AND PRODUCTION ANIMALS Grades 9 – 12 (1/2 credit)

This course will be an introduction to Animal Science topics and cover all production livestock animals. We will cover body systems, management, behavior, facility, industry sectors, breeds, careers and areas of study in animal science. This course will be designed to open the eyes of students to animals and their relation to agriculture and proper management skills.

ART

STUDIO ART

Grades 9 – 12 (1 credit)

Prerequisite: Must have successfully completed Junior High Art.

This course is a comprehensive foundation for all high school art majors and is a prerequisite for all other secondary art courses. In this course, students are exposed to a variety of material and techniques including painting, drawing, printmaking, ceramics, digital art and art history. Studio Art encourages the development of concepts and skills in the visual arts and cultivates an appreciation of the creative process. This course is also designed to develop an understanding of how to think critically and creatively both in and out of the art studio.

Drawing 1 - ARTS 114

Grades 10 – 12 (1 credit)

Prerequisite: Studio Art

This studio course examines the fundamentals of drawing as an act of creating independent works of art. The course will explore both representational (perspective drawing) and abstract approaches to a variety of subjects. Students are exposed to various drawing media: pencil, charcoal, ink, pastel and conte crayon. Opportunity for creative self-expression. Drawing materials required.

CERAMICS I

Grades 10 –12 (1/2 credit)

Prerequisite: Studio Art

This course focuses on working with clay. Students have the opportunity to learn the basic properties of clay. In addition to learning various clay hand building techniques, and throwing on the potter's wheel, students will learn the basic techniques of glazing and other surface treatments that can be applied to ceramic work.

CERAMICS II

Grades 10-12 (1/2 credit)

Prerequisite: Ceramics 1 and Studio Art

In Ceramics II, students will apply the knowledge and skills gained in Ceramics 1. Students are expected to demonstrate growth in the following areas: problem solving, controlling the properties of clay to develop complex forms, strengthening artistic expression and critical thinking. Historical and contemporary trends in ceramics are studied. Students are expected to express themselves through visual, verbal and written formats. Students interested in a career in ceramics, industrial design, architecture, sculpture, or set design may begin building a portfolio for continuing study in the arts.

PUBLICATIONS

Grades 11 – 12 (1 credit)

Prerequisite: Desktop Publishing and/or Studio Art

In this course students will plan, design and bind the school's yearbook. They will be part of the whole publishing process from initial concept development to page layout design and finally in-house book binding techniques. Adobe design and photo editing software will be used. Class responsibilities include fundraising, page layout design, journalism, photographing school functions and athletic events. Most importantly there is a focus on working together as a creative team.

BUSINESS

MATH & FINANCIAL APPLICATIONS

Grades 11 – 12 (1 credit)

Prerequisite: Successful completion of 2 math credits, including Algebra I and the Algebra I Regents exam

This course covers the skills that students need to manage their personal finances and excel at their first job. In the first part of the course, students will explore life's most important math skills, from how to understand a pay stub to maintaining a checking account to buying a car or a home. In the second part of the course, students will explore mathematical applications in typical business situations, from figuring out traveler's expenses to purchasing discounts to depreciating assets.

*May be used as 3rd math credit

ENTREPRENEURSHIP

Grades 10 – 12 (1/2 Credit)

This course will teach students the process of starting a business and the essential skills and tools used to successfully manage it. Concepts taught in this course include development of a business plan, maintaining a budget, marketing strategies, customer relations, types of ownership and online businesses.

FRESHMAN EXPERIENCE

Grade 9 (1/2 credit)

Freshman Experience is a course designed to instruct students on a variety of topics ranging from career research, decision making, lifestyle choices and who they want to be in the future. The main goal of this course is to allow students to examine their personal qualities and prepare them for the necessary steps needed to achieve success in their future careers. To prepare students for this, an examination of many personal qualities and traits takes place, in addition to the application of "real world" scenarios." This course is a requirement for all 9th grade students and appropriate new students.

SPORTS AND ENTERTAINMENT MARKETING

Grades 10-12 (1/2 credit)

Students will learn the role that sports and entertainment marketing plays in our economic system. Topics covered include the selling, promotion, pricing, distribution and planning strategies surrounding sporting/entertainment events.

COMPUTER SCIENCE

INTRODUCTION TO CS WITH MULTIMEDIA AND PYTHON (UHS) Siena College

Grades 11 – 12 (1 credit) 3 college credits

Prerequisite: Algebra I; Discovering Computer Science recommended

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. Students taking this course at the high school can earn 3 college credits for a (flat) \$250 tuition rate. (Tuition is waived for students qualifying for free or reduced lunch.)

DISCOVERING COMPUTER SCIENCE

Grades 9 – 10 (1/2 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 no 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.

This course is a good introduction to Siena's dual enrollment course, CSIS-110 Introduction to Computer Science – Python Multimedia course.

WEB DESIGN (UHS) Siena College

Grades 11 – 12 (1 credit) 3 college credits

This Siena College dual-enrollment course 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. Students taking this course at the high school have the opportunity to earn 3 college credits. (Tuition is waived for students qualifying for free or reduced lunch.)

ENGLISH

ENGLISH 9

Grade 9 (1 credit)

Prerequisite: None

English 9 is designed to build a strong foundation for high school, with increased independence and responsibility for accomplishing goals. Literature covers a broad range of genres, including short stories, drama, fairy tales, poetry, novels, and films from works of world literature. Writing emphasizes short essays, narratives, and essays focused on literary analysis and argument-based writing modeled after the Regents exam.

ENGLISH 9 HONORS

Grade 9 (1 credit)

Prerequisite: None

This course mirrors English 9, with increased expectations for independence and academic performance. Additional texts are added or substituted from the base English 9 curriculum. Students are encouraged to use English Honors as part of a plan to take AP English in 11th grade.

ENGLISH 10

Grade 10 (1 credit)

Prerequisite: English 9

English 10 is designed to build on the lessons learned in English 9 and earlier, focusing on the skills needed for effective reading, writing, listening, and speaking to meet the Next Generation Standards. The writing varies from creative to literary, and from reflective to research based. The literature connects to many of the concepts taught in Global Studies through the use of short stories, full-length novels, and plays. There will also be some focus on poetry and other areas of creative expression as well as a review of commonly confused words and writing mechanicals. This course is designed to continue preparation for the Next Generation Standards and the English Regents, administered at the middle of the junior year, and to engender a love of literary and written exploration.

ENGLISH 10 HONORS

Grade 10 (1 credit)

English 10 Honors is an intensive course with limited enrollment based on teacher recommendation. Students should have an overall GPA of 85 with a 90 English average and the ability to consistently write essays at a level 5 or 6 on the Regents rubric. Students should be prepared for regular homework and reading outside of class. Texts include older works like Antigone, and Julius Caesar, as well as more contemporary works like Animal Farm. Summer reading is required, and there will be high-level independent reading, numerous essays with revisions, research, and expectations for frequent class participation and presentations. Students intending to take AP Literature and Composition are strongly encouraged to take this class.

ENGLISH 11

Grade 11 (1 credit)

Prerequisite: English 10

English 11 is a continuation of the language arts sequence of instruction based on the Next Generation Learning Standards. Students will again write for a variety of purposes, read and analyze a range of literature, and work both collaboratively and independently to refine their skills in preparation for the mandatory Regents Exam, which must be passed in order to graduate. Major works include Anthem and The Crucible, with shorter related works and instruction on media literacy.

ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION

Grade 11 (1 credit)

Prerequisite: Departmental recommendation. English 10 Honors recommended. Maximum class capacity is 17 students.

Advanced Placement English Literature is an intensive college-level course with limited enrollment based on English 10 course average and teacher recommendations. This class is intended to fulfill English 11 requirements while preparing students for the Advanced Placement exam in spring (for which there is a \$95 fee) to earn college credit or requirement exemptions based on performance and college policies. Students must be prepared for a heavy workload, reading and writing with a high level of skill and independence. Summer work is required, as is consistent effort throughout the year. Students will take the mandatory Regents Exam, which must be passed in order to graduate. Major works include *The Grapes of Wrath*, *How to Read Literature Like a Professor*, *Anthem*, *Narrative of the Life of Frederick Douglass, an American Slave*, *Adventures of Huckleberry Finn*, *Death of a Salesman*, *The Awakening*, and *Macbeth*. *Note: The AP Exam is not a course requirement and results are not available until July.

ENGLISH 12

Grade 12 (1 credit)

Prerequisite: English 11

English 12 is a language arts program designed to prepare students for college or careers after high school by reinforcing and sharpening reading and writing skills. Students will complete resumes, formal letters, mock interviews, and research on future careers. English 12 also includes literary analysis, research, and reflection of such texts as *Dracula* by Bram Stoker, *Night* by Elie Wiesel, the film *Schindler's List*, *Persepolis* by Marjane Satrapi, *The Things They Carried* by Tim O'Brien, and episodes of the TV series *M*A*S*H*. English 12 also includes an optional independent study of various short stories by Sir Arthur Conan Doyle.

ENGLISH COMPOSITION 101 (UHS) – SUNY Cobleskill ENG 101

Grade 12 (1/2 credit)

Composition 101 is a writing-intensive course that will allow students to earn three (3) college credits through SUNY Cobleskill. Students will develop personal narrative techniques to apply to their college application essay along with other informal writing samples. They will develop their resumes, request letters of recommendation, and complete writing assignments that will be kept in their Senior Portfolio to be used in applications for college, scholarships and jobs. The class will read Trevor Noah's *Born a Crime*, along with short narrative pieces, as mentor texts to hone in on their own unique writing style and voice. Seniors taking this course will also write a fully-documented research paper and present their topic to the class, sharing their knowledge and expertise on a subject of their own choosing. This class is offered along with Introduction to Literature to satisfy the English 12 requirement. Students enrolling in English Composition 101 should expect to spend two to three hours outside of class per week working on assignments for this course.

INTRODUCTION TO LITERATURE (UHS) – SUNY Cobleskill ENG 121

Grades 12 (1/2 credit)

Introduction to Literature allows students to earn three (3) college credits through SUNY Cobleskill. The course focuses on selected readings which reflect significant intellectual approaches to literature. The emphasis will be on close reading through varied critical perspectives applied to different genres of writing. In addition to essay tests and analytical papers, requirements include creative projects, including a senior slideshow to be presented in a public forum at the end of the year. This course is offered along with English Composition 101 to satisfy the English 12 requirement. Students enrolling in Introduction to Literature should expect to spend two to three hours outside of class per week working on assignments for this course.

HEALTH

HEALTH

Grades 10 – 12 (1/2 credits)

Prerequisite: None

Health Education will be a course related to the development of the following six essential skills: communication, decision making, planning & goal setting, stress management, self-management, and advocacy. Units of study include, healthy lifestyles, personal hygiene, mental health, drug use and abuse, human growth and development, diseases, nutrition, consumer health, environmental health and safety. The course requirements include regular attendance and participation in class discussions and work, periodical research and reporting, report with oral presentation, unit tests, and quizzes (oral and written). Health is a required course for graduation.

WORLD LANGUAGES

SPANISH 8 **Grade 8 (1 credit)**

Prerequisite: Successful completion of Spanish 7

In eighth grade Spanish, students will work to improve their interpersonal, presentational, and interpretive communication skills in Spanish. In order to do this, students will continue to learn vocabulary, incorporating what they have already learned into new topics of study such as house and home life, travel, describing others, health and welfare, meal taking, and other topics. Students will listen to and read authentic resources in Spanish and communicate in spoken and written Spanish all at the novice to intermediate-low proficiency levels. Students will also investigate and interact with the products and practices of Hispanic cultures as they pertain to the topics of study throughout the year long course. At the completion of eighth grade Spanish, students will take a final exam, administered during Regents week in June of the school year. This is a cumulative exam covering the content of both seventh and eighth grade Spanish courses (Checkpoint A). With successful completion of both the eighth grade Spanish course and the final exam, students will earn one (1) high school credit.

HIGH SCHOOL SPANISH I **Grades 9 – 12 (1 credit)**

Prerequisite: None

This full year course is an introductory Spanish course. Students who have not earned a high school credit in a language other than English will take this course. Students will work on interpretive, presentational, and interpersonal communication in Spanish. They will also investigate and interact with the products and practices associated with the Hispanic cultures throughout the world in order to help them understand different perspectives. Students will aim for proficiency at the novice-high level where they will be able to identify, communicate with, and present some basic information in familiar and everyday contexts. With successful completion of the course, students will earn one (1) high school credit.

SPANISH II **Grades 9 – 12 (1 credit)**

Prerequisite: Successful completion of Spanish 8 or I

This full year course is the first of a two course sequence designed to prepare students for the Checkpoint B exam in Spanish. Students will work to interpret main ideas and information presented in Spanish, participate in spontaneous spoken and written interpersonal interactions, and communicate information through spoken and written presentations on familiar topics. Students will aim to do these things on an intermediate-low level using a series of sentences most of the time for communication. Students will also investigate and interact with products and practices of Hispanic cultures to make comparisons with their own in order to help them understand various perspectives. With successful completion of the course, students will earn one (1) high school credit.

SPANISH III **Grades 10 – 12 (1 credit)**

Prerequisite: Successful completion of Spanish II

This full year course is the second of a two course sequence designed to prepare students for the Checkpoint B exam in Spanish. Students will continue to work to interpret main ideas and information presented in Spanish, participate in spontaneous spoken and written interpersonal interactions, and communicate information through spoken and written presentations on familiar topics. Students will aim to do these things on an intermediate-low to intermediate - mid level using a series of sentences most of the time for communication. Students will also investigate and interact with products and practices of Hispanic cultures to make comparisons with their own in order to help them understand various perspectives. With successful completion of the course and the Checkpoint B exam, students will earn one (1) high school credit.

SPANISH IV (UHS)
Grades 11 – 12 (1 credit)

Prerequisite: Successful completion of Spanish III and 85+ on the Comprehension exam.

This course is offered for college credit through the SUNY Cobleskill College in the High School Program. Students will continue to work to interpret main ideas and information presented in longer texts or audio in Spanish, participate in longer spontaneous spoken and written interpersonal interactions, and communicate information through spoken and written presentations on familiar and concrete topics that are researched. Students will work toward meeting a proficiency level of intermediate-high in Spanish throughout this course by using many connected sentences or paragraphs and asking a variety of questions, often across various time frames. Students will also investigate and interact with products and practices of Hispanic cultures. They will compare products and practices related to everyday life and personal interests or studies, and recognize significant differences in behaviors among the cultures in order to avoid social blunders. Upon successful completion of this course, students will earn one (1) high school credit. Students who successfully complete this course and pay a fee to SUNY Cobleskill will receive three (3) college credits as well.

SPANISH V (UHS)
Grades 12 (1 credit)

Prerequisite: Successful completion of Spanish IV

This course is the second in a sequence offered for college credit through the SUNY Cobleskill College in the High School Program. Students will continue to work to interpret main ideas and information presented in longer texts or audio in Spanish, participate in longer spontaneous spoken and written interpersonal interactions, and communicate information through spoken and written presentations on familiar and concrete topics that are researched. Students will work on perfecting their proficiency level of intermediate-high in Spanish throughout this course by using many connected sentences or paragraphs and asking a variety of questions, often across various time frames. Students will also investigate and interact with products and practices of Hispanic cultures. They will compare products and practices related to everyday life and personal interests or studies, and recognize significant differences in behaviors among the cultures in order to avoid social blunders. Upon successful completion of this course, students will earn one (1) high school credit. Students who successfully complete this course and pay a fee to SUNY Cobleskill will receive three (3) college credits as well.

MATHEMATICS

PRE-ALGEBRA

Grade 9 (1 credit)

This is a one-year course to prepare students for the Next Generation Learning Standards Algebra. The topics covered include a review of middle school math topics along with building a strong algebraic foundation.

ALGEBRA I

Grades 8 – 12 (1 credit)

Prerequisite: Successful completion of 7X Math, 8th grade Math or Pre-Algebra and teacher recommendation

This is a one-year course that will prepare students for the Algebra I Next Generation Learning Standards Regents Exam. Students will build upon their knowledge of solving equations, inequalities and systems of equations. They will explore linear, quadratic, square and cube root functions as well as their graphs. They will analyze and interpret problems numerically, symbolically, graphically, and verbally. They will also learn how to use the TI Nspire graphing calculator.

INTRODUCTION TO GEOMETRY

Grades 9 – 12 (1 credit)

Prerequisite: Successful completion of Algebra I

This is a one-year course that will fulfill the third credit requirement of mathematics for students that have passed Algebra I, but have not demonstrated mastery of algebra. The course will be taught using a discovery approach to geometry that should benefit visual and tactile learners. Class work will include hands on labs, group problem solving, and projects. The major topics covered will be properties of triangles and quadrilaterals, circle geometry, coordinate geometry, spatial reasoning, and transformational geometry. This course will also focus on improving algebra skills needed for geometry. After successful completion of this course, students may continue with the Regents course in geometry.

GEOMETRY

Grade 9 – 12 (1 credit)

Prerequisite: Successful completion of Algebra I, recommend 80+ on Algebra Regents Exam

This is a one-year course that will prepare students for the Geometry Common Core Regents exam. Students will learn about transformations, congruency, similarity, coordinate geometry, constructions and the proof writing process. Students will learn about right triangle trigonometry. They will extend their knowledge of shapes into three dimensions including the volume of solids. They will learn properties of polygons and circles.

INTERMEDIATE ALGEBRA

Grades 11 - 12 (1 credit)

Prerequisite: Completion of Algebra and Geometry.

This is a one-year course that will prepare students for an entry-level college algebra class. The course will include a review of algebra, polynomials, rational and radical functions. The course will also include a review of trigonometry and expand into circular functions. Exponential and logarithmic functions will be covered. We will be using a Ti-Nspire graphing calculator.

ALGEBRA II

Grades 10 – 12 (1 credit)

Prerequisite: Successful completion of Geometry and Geometry Regents with a grade of 80 or better.

This is a one-year course that will prepare students for the Common Core Regents exam. Students will study polynomial, rational, and radical relationships. Students will expand their knowledge of right triangle trigonometry to trigonometric functions and their graphs, radians, and identities. Students will expand their knowledge of exponential functions and learn about logarithmic functions. Students will build on their statistical knowledge and learn about probability. A TI Nspire calculator is required.

PRE-CALCULUS (UHS) SUNY Albany

Grades 11 – 12 (1 credit)

Prerequisite: Successful completion of Algebra 2 with a grade of 75 or better on the Algebra 2 exam.

This is a one-year college level course in preparation for the study of Calculus, offered through SUNY Albany. Topics include exponential and logarithmic functions, curve sketching, trigonometry and a thorough review of algebra. The application of those topics will enable the student to gain the fundamentals necessary for any college level calculus course. A graphing calculator (Nspire) is required. For college credit a tuition payment is required.

CALCULUS I (UHS) SUNY Albany

Grade 12 (1 credit)

Prerequisite: Pre-Calculus

A college level course, offered through SUNY Albany, studying the concepts of differentiation with the applications of the derivatives, the integral and its applications. These topics include related rates, optimization, area and volume. For college credit a tuition payment is required.

MATH & FINANCIAL APPLICATIONS

Grades 11 – 12 (1 credit)

Prerequisite: Completion of 2 credits of high school math, including Algebra and Algebra Regents exam.

Math and Financial Applications is a comprehensive class that covers all the skills students need to manage their personal finances and excel at their first jobs and in everyday life. Math and Financial Applications is a three-part program that takes students from basic math concepts to sophisticated financial strategies. Basic Math Skills reviews the fundamental math operations, Personal Finance teaches money management skills, and Business Math provides a thorough primer on launching and running a business.

ELEMENTARY STATISTICS (UHS)

Grades 11-12 (1 credit)

Prerequisite: Algebra 2

This course emphasizes exploring data, planning a study, anticipating patterns and statistical inference. The graphing calculator will be the chief tool for data analysis. Statistics- including data types, standard deviation, z-scores, t-scores, distribution frequencies, sampling error, survey/polling projects, nonparametric statistics, and related topics.

MATH – ACADEMIC INTERVENTION SERVICES

This course is designed to remediate students whose skills show need of development for successful completion of the Algebra Regents exam.

MUSIC

HIGH SCHOOL BAND

Grades 9 – 12 (1/2 credit)

Prerequisite: Junior High Band or by Audition

Students will be introduced to a comprehensive repertoire of concert band music. Each student is required to attend one instrument lesson per week, as well as band rehearsals scheduled every other day. Rehearsals are intended to be the vehicle in which the student learns to perform pieces as part of the group. These rehearsals will prepare the student to play at various concerts, parades, community-sponsored activities, school ceremonies, and competitions. It is here that students learn about pride and the joy of performance. Students will utilize lessons to increase their personal level of playing. Through this they may choose, or be chosen, to attend the NYSSMA solo festival and may audition for NYSSMA advanced performing groups.

HIGH SCHOOL CHOIR

Grades 9 – 12 (1/2 credit)

Prerequisite: Junior High Choir or by Audition

Students will be introduced to a comprehensive repertoire of concert vocal music. Each student is required to attend vocal lessons throughout the quarter scheduled during their study hall opposite their lunch period, as well as choir rehearsals scheduled every other day. Rehearsals are intended to be the vehicle in which the student learns to perform pieces as part of the group. These rehearsals will prepare the student to sing at various concerts and community events. Students will utilize lessons to develop skills such as tone quality, rhythm, range and sight-reading. Through this, they may choose, or be chosen to attend the NYSSMA Solo Festival and may audition for All County Festivals and Advanced NYSSMA performing groups.

TREBLE CHOIR

Grades 9 – 12 (1/2 credit)

Prerequisite: Membership in Sr. High Choir

This is a course offered to students who can sing music in a treble range (soprano 1, 2 and alto 1, 2). The curriculum will explore vocal technique, blending, tone, music theory, and music history through studying various styles and genres of choral music written for treble SSA voices. Students in Treble Chorus are expected to participate in two evening concerts a year as well as other smaller performances in the community.

MUSIC FUNDAMENTALS/RUDIMENTS OF MUSIC (UHS)

Grades 10-12 (1 credit)

Prerequisite: Previous musical experience helpful, but not necessary.

Consideration of the rhythmic, melodic, and harmonic elements of music through writing, dictation and analysis of rhythm, modes, intervals, keys, scales, triads in progression and form. Analysis of a variety of musical styles.

LOWER VOICE CHOIR

Grades 9-12 (1/2 credit)

Prerequisite: Membership in Sr. High Choir

This course is offered to students who can sing music in a lower voice range (tenor, baritone, bass). The curriculum will explore vocal technique, blending, tone, music theory, and music history through studying various styles and genres of choral music written for TTBB voices. Students in Lower Voice Choir are expected to participate in two evening concerts a year as well as other possible smaller performances in the community.

MUSIC TECH

Grades 10-12 (.5 credit)

This course is a project-based class offered to students in grades 10-12. Students will learn how to use different web-based software to create and arrange music. Programs may include (but not be limited to) Noteflight, Soundtrap and Chrome Music Lab. Example projects may include creating loops, composing and arranging for film or video games and podcasting.

PHYSICAL EDUCATION

PHYSICAL EDUCATION

Grades 9 – 12 (1/2 credit)

Prerequisite: Completion of Junior High Physical Education

Physical Education at Schoharie Central is a two time, ¼ credit course that meets every other day for the entire school year. Physical Education consists of a series of team and individual sport activities designed on a continuing basis to prepare individuals to develop lifelong sport activity skills. Students are not only graded numerically on their effort and skill level, but they are also assessed by the ability to comprehend the activities. Students will begin each year participating in Project Adventure Challenges designed to open up communications and create safer learning environments. Additional benefits of active participation in sport activities are reinforcement of the value of sportsmanship, honesty, and fair play. In both team and individual competition, students come to recognize the value of sport etiquette and thoughtfulness, self-control, and humility in the face of defeat. Perhaps most important of all, the participant learns to recognize fitness as an essential part of the total person. During the Fitness Unit, students will be required to turn in a written work plan and assessment of their individual workout. These workouts are designed to target areas of improvement needed by each individual student based on their fitness scores. The high school curriculum is based on the development of a wide variety of sports skills. Students will obtain credit by changing and participating to the best of their ability. During several units, should the number of staff present allow this, students are given a choice of two activities to participate in. Each student has a grading card where daily and units grades are recorded.

SCIENCE

EARTH & SPACE SCIENCE

Grades 9 – 12 (1 credit)

Prerequisite: None

This is a year-long Regents level course designed to give an overview of Earth's systems through the study of Astronomy, Geology, Meteorology and Human Impacts. Laboratory work, problem solving skills, and research skills are part of this inquiry-based program. An emphasis will be placed on observations, organizing and presenting data, and drawing inferences to complete end of unit performance tasks and written reports.

LIFE SCIENCE: BIOLOGY

Grades 9 – 12 (1 credit)

Prerequisite: None

This Regents level course, now a requirement for all students, addresses the key ideas in the living environment component of Standard 4 of the New York State Learning Standards for Mathematics, Science and Technology. By studying a variety of biological topics from ecology to genetics, this course prepares students to explain the most important ideas about our living environment. Weekly laboratory sessions allow students to act as real scientists. Through the use of the scientific method, they test their own hypotheses through experiments that they develop. Through simulated town meetings and earth summits students address real issues that face our world today.

CHEMISTRY

Grades 11 – 12 (1 credit)

Prerequisite: One Year of Regents Science and Integrated Algebra

This course will explore all aspects of matter in terms of its structure, properties, composition, and the changes that it undergoes, including the accompanying changes in energy. There is an emphasis on laboratory experimentation to implement understanding. In the lab students may synthesize a compound and determine its formula, be detectives identifying the contents of an unmarked bottle, check the contents of a commercial product versus its label, or even make their own soap. This course is based on the New York State Chemistry core curriculum. Topics include, but are not limited to, phase changes, atomic structure, chemical bonding, solutions, acids and bases, equilibrium, organic chemistry, and nuclear chemistry.

AP BIOLOGY

Grade 12 (1 credit)

Prerequisite: Completion of Biology and Chemistry.

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: Chemistry of Biology, Evolution, Cellular Processes, Transfer of Energy, Cell Communication, Genetics, Information Transfer, Ecology, and Interactions. The course also incorporates the instruction and use of Biotechnology applications to engage in the novel study of organisms and biochemical processes. biology and chemistry courses.

INTRODUCTION TO FORENSIC SCIENCE

Grades 11 – 12 (1 credit)

Prerequisite: Physical Setting & Living Environment

Satisfy your third-year science requirement by exploring the world of the forensic scientist. This course allows you to walk in their footsteps. Learn how they analyze blood splatter evidence, ballistics, and gender and ethnicity of skeletal remains. See how forensic entomology (the study of insects) can be used to place the time of death. Make molds of shoe prints and practice fingerprinting techniques. Through simulating crime scene scenarios, you become the criminal investigator, forensic biologist, and lab expert. Expand your knowledge of biology, chemistry, physics and earth science through this laboratory-based experience.

FORMAL LOGIC

Grades 10-12 (1/2 or 1 credit)

Formal logic is a discipline that has a foothold in both STEM and the humanities. With regard to the former, logic provides the basis for mathematical reasoning and computer science; with regard to the latter logic provides the critical thinking skills for analyzing the formal structure of arguments and provides the rules for making valid inferences. This course will emphasize both aspects of logic. It will encompass informal logic—the process of analyzing language-based arguments—but focuses on formal logic—the method of analyzing and validating arguments by means of symbolic notation. Students will learn to evaluate arguments for soundness and validity as well as identify fallacious reasoning. We will focus on evaluating the formal structure of arguments using truth tables, truth trees and natural deduction. These play an important role in mathematical logic and computer science.

SOCIAL STUDIES

GLOBAL HISTORY AND GEOGRAPHY I

Grade 9 (1 credit)

Prerequisite: None

Global History and Geography for grades 9 and 10 provides students the opportunity to study other nations and their cultures within a framework that is designed to develop a global perspective. This approach aims to cultivate knowledge, skills, and attitudes students need to function effectively in a world characterized by ethnic diversity, cultural pluralism, international and domestic violence, and increasing interdependence. Grade 9 Global History and Geography has been organized chronologically: prehistory through 1750. With a vast amount of content for each unit, the teacher must edit the materials essential for the student's understanding.

GLOBAL HISTORY AND GEOGRAPHY II

Grade 10 (1 credit)

Prerequisite: Global History and Geography I

Grade 10 Global History and Geography focuses on the time period from 1750 to the present. Because of the vast number of subjects and cultures discussed, much editing is done by the teacher. Global II students must take and pass the New Framework exam in Global II.

U.S. HISTORY AND GOVERNMENT

Grade 11 or 12 (1 credit)

Prerequisite: Global Studies II

This course is a study of the existing government of the U.S. and the events that influenced its creation and present characteristics. The principles set down by the Declaration of Independence will be examined and used as a yardstick to measure the development of a government that has been characterized as an "experiment in democracy". Students will acquire a solid knowledge of the U.S. government and how it operates, along with the circumstances surrounding its development. The Constitution of the U.S. will be a major topic of study. Thirteen enduring issues that Americans have debated continually from the beginning of the Republic to the present will be utilized in examining the Constitution.

US HISTORY & GOVERNMENT I & II (UHS) SUNY Cobleskill HIST101 & HIST102

Grade 11 or 12 (1/2 credit each) (6 college credits through SUNY Cobleskill – HIST 121 & HIST 122)

Prerequisite: Global Studies II (90+average in Global II & on Global Regents exam in addition to teacher recommendation)

The first half of this course is an investigation of the political, economic and social development of the United States. The course begins with contact of Europeans, Africans and Native Americans and ends with Reconstruction. The second half of this course will take students from the Reconstruction to present.

ECONOMICS

Grade 12 (1/2 credit)

Students understand, on a basic level, the complex nature of modern economic systems. Some of the included topics are Supply and Demand, Scarcity, Comparing Economic Systems, Free Enterprise System, Macroeconomics, Budgeting and the Role of the Consumer in Our Economy. This course is a half year course.

PARTICIPATION IN GOVERNMENT

Grade 12 (1/2 credit)

This course is intended to help students to become effective citizens by introducing them to the process of government in a democracy and encouraging them to participate in the activities of their government on a local level. Class activities include mock trials, debates, voter registration and weekly current events discussions.

AP PSYCHOLOGY

Grade 12 (1 credit)

Offered on Distance Learning Network

Prerequisite: Overall average of 85 in Social Studies courses or recommendation of a Social Studies instructor.

The purpose of the Advanced Placement Course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major sub-fields within psychology. The students also learn about the methods psychologists use in their science and practice. Successful completion of the AP exam will enable the student to earn three college credits.

SOCIOLOGY (UHS) SOSC 111 SUNY Cobleskill

Grades 11 – 12 (1/2 credit)

Prerequisite: Global Studies 2 and teacher recommendation.

Sociology is the study of how a society works. It is a view of a society's values, morals, beliefs, and culture. What makes a society different from other societies? Sociology will explore the concepts of race, gender, religion, and other subjects that help define and create a society. Other topics such as criminology, juvenile delinquency, and social work will be discussed as well. Students will learn about Marx, Durkheim, Weber, and other important individuals who dissect and try to explain the concept of sociology.

SOCIAL PROBLEMS (UHS) SOSC 112 SUNY Cobleskill

Grades 11-12 (1/2 credit)

Prerequisite: Sociology (UHS)

The course focuses on the application of sociological methods, concepts, analysis and theories to the study of contemporary problems. Both micro-level and macro-level problems will be examined. The process of defining situations as social problems and a critical analysis of information concerning social problems will be an objective of the course. Students can earn 3 college credits through SUNY Cobleskill.

TECHNOLOGY

DRAWING AND DESIGN FOR PRODUCTION

Grades 9 – 12 (1 credit)

A course that can satisfy the NYS art requirement. The course consists of Hand drafting and an introduction to CAD (Computer Aided Drafting).

*May be used as 1 credit of art/music requirement.

CAD (Computer Aided Drafting)

Grades 9 – 12 (1 credit)

Prerequisite: DDP recommended

A hands-on course in the use of AutoCAD and Inventor software. Students will exercise a variety of drafting and design software tools using CAD to execute both two and three-dimensional drawings. Students will use their learned skills through laboratory-based experiences.

CONSTRUCTION

Grades 9-12 (1 credit)

A hands-on course will provide an opportunity for students to understand construction processes, materials, and practices through laboratory-based experiences.

MATERIALS PROCESSING

Grades 9 – 12 (1 credit)

A hands-on introduction course to woodworking and metal working through laboratory-based experiences.