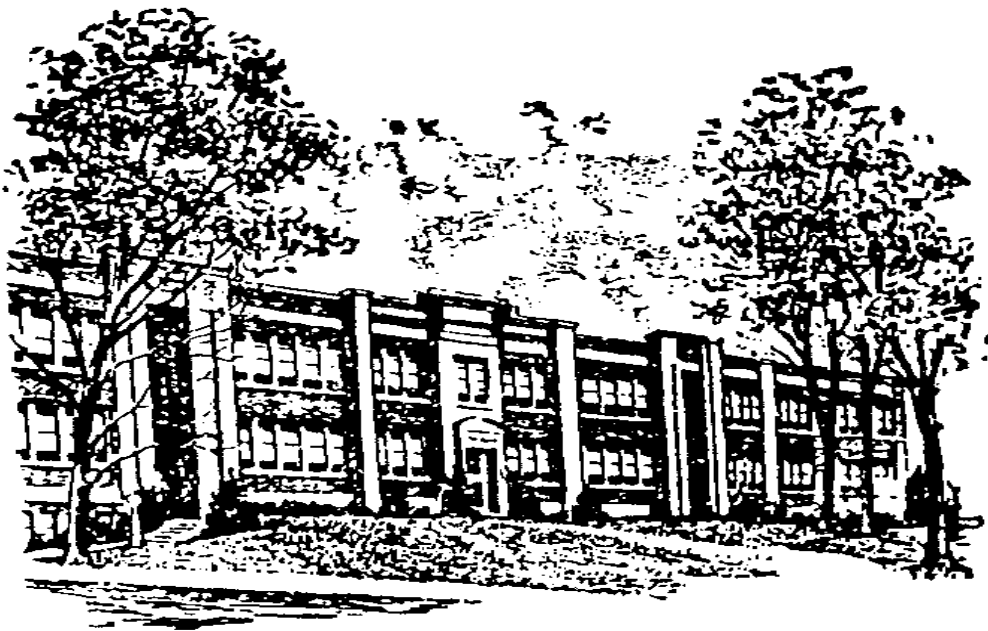


# Schoharie High School

## *Course Description Guide*



IN THE PURSUIT OF EXCELLENCE

# *2021-2022*

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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

<b>Required “Core” Subjects</b>	<b>Regents Diploma</b>	<b>Advanced Regents Diploma</b>
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
<b>TOTAL</b>	<b>22 Units</b>	<b>22 Units</b>

\* 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 9<sup>th</sup> grade year. One unit of credit is earned either by passing LOTE and the local exam in 8<sup>th</sup> 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 <sup>th</sup> 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.

# **GUIDANCE & 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 Guidance and 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/army 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

Mrs. Weinlein (9-12, A-J)  
School Counselor

Mrs. Borst (9-12, K-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 from 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 Mrs. Bogardus for more information!

## **INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES**

**Grades 9 – 12 (1 credit)**

Prerequisite: None

What do you want to do after high school? Once you graduate, how will you use the science, math, reading, and writing you learned? The agricultural industry may be the answer. Agricultural careers require a wide array of skills from food tasting to construction. Spend your school year with hands-on experiences using plants, animals, natural resources, and agricultural tools. Whether you are interested in science, communications, business, or engineering and mechanics, there is an agricultural pathway awaiting your future.

## **UHS AGRIBUSINESS MANAGEMENT**

**Grades 10 – 12 (1 credit)**

Prerequisite: None

Students in Agribusiness Management learn how to effectively run any kind of business through an in-depth investigation of economics, marketing and business management. Students learn firsthand how and why people make the decisions that they do, followed by investigations into the various agricultural industries, marketing, advocacy, financial planning and maintaining business records. Students will complete a small business plan or farm business plan as a culminating project

*UHS credit through SUNY Cobleskill*

## **VETERINARY SCIENCE**

**Grades 10 – 12 (1 credit)**

Prerequisite: Introduction to Agriculture, Food & Natural Resources

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course examines some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases affect not only the animals around us, but at times, us humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues are studied and applied.

\*May be used as 3rd science credit

## **UHS DAIRY & LIVESTOCK SCIENCE**

**Grades 9 – 12 (1 credit)**

Prerequisite: Introduction to Agriculture, Food & Natural Resources recommended but not required

Get hands-on with livestock in this course exploring the production and processing of cattle and livestock products. Students will learn about the selection, care and management of livestock as well as the processing of animal products. Be ready to make cheese and ice cream, create a designer burger, felt wool and learn techniques for preparing the many cuts of meats.

*UHS Credit through SUNY Cobleskill.*

## **ENVIRONMENTAL SCIENCE**

**Grades 10 – 12 (½ credit)**

Prerequisite: Living Environment (Introduction to Agriculture, Food & Natural Resources recommended but not required)

By studying environmental science as part of agriculture, our goal is to ensure that we can produce as much food as possible for as many people as possible for as long as possible with minimal harm to ecosystems and maximum benefits to rural communities. This course will enable students to use a systems-based understanding of biodiversity, ecosystem function, and habitat resilience to understand the roles that humans play in using natural resources in a sustainable long-term manner.

\*May be used as 3rd science credit

## **HORTICULTURE**

**Grades 10 – 12 (½ credit)**

Prerequisite: Living Environment (Introduction to Agriculture, Food & Natural Resources recommended but not required)

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

## **FLORAL & LANDSCAPE DESIGN**

**Grades 9 – 12 (1 credit)**

Prerequisite: Introduction to Agriculture, Food & Natural Resources recommended but not required

This course is designed to provide an exploration into the practical applications of the floriculture, horticulture and landscaping industries. Students will design and create floral arrangements and landscape projects, grow ornamental crops and learn about the commercial floriculture & horticulture industries. Students will develop drafting/drawing skills, explore design theories and the principles and elements of art to guide them as they apply their skills to indoor and outdoor projects using plants, natural materials and hardscaping. There will be ample opportunities to work outside when the weather permits.

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

# **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.

## **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.

## **PAINTING & DRAWING**

**Grades 10 – 12 (1 credit)**

Prerequisite: Studio Art

This course expands on the concepts that were introduced in Studio Art and is primarily focused on two dimensional works. Students will develop drawing and painting skills in the use of a variety of media, including graphite, charcoal, pastel and colored pencil and colored pencil, acrylic paint and watercolor. Various periods in Art History will be examined as inspiration for techniques and subject matter. Students will develop a comprehensive portfolio demonstrating competency with media and techniques.

## **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 & INFORMATION TECHNOLOGY**

## **ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES**

**Grades 10 – 12 (1 credit)**

Prerequisite: Successful completion of Algebra I and Algebra I Regents exam (Introduction to Computer Science recommended but not required)

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

## **INTRODUCTION TO COMPUTER SCIENCE**

**Grades 9 – 12 (1 credit)**

Prerequisite: Algebra I recommended but not required

Students will learn the basic building blocks of computer programming along with the central elements of computer science. The project-based curriculum emphasizes computational thinking and helps develop the ability to think algorithmically to solve complex problems. The course prepares students for further study in computer science, including AP Computer Science Principles.

## **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

## **UHS FINANCIAL ACCOUNTING**

**Grades 10 – 12 (1 credit)**

Prerequisite: None

Students thinking of pursuing a business degree in college should consider taking Financial Accounting in high school. It introduces students to the challenging and rewarding field of accounting and provides them with the opportunity to earn college credit. The course is an introduction to fundamental theory, principles and procedures for service and merchandising enterprises with emphasis on such topics as merchandise inventory, plant assets, promissory notes, accounting systems, payroll, internal control, bad debts, adjustments and financial statements.

*UHS Credit through SUNY Cobleskill.*

## **UHS MICROCOMPUTER APPLICATIONS**

**Grades 10 – 12 (1 credit)**

Prerequisite: None

Gain a competitive advantage and increased confidence by increasing your Microsoft Office skills. In this project-based class, students will learn basic to advanced features of Microsoft's Word, Excel, PowerPoint and Access applications.

*UHS Credit through SUNY Cobleskill.*

# 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, mythology, 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. Students are encouraged to use English Honors as part of a plan to take AP English in 11<sup>th</sup> 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 and minimum GPA requirements (overall GPA 85; 90 English Average). This course mirrors English 10, with increased expectations for independence and academic performance. Students will study ancient works like *The Odyssey*, *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*, *The Crucible*, and *Fahrenheit 451*, 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 CCLS Regents Exam, which must be passed in order to graduate. Major works include *The Grapes of Wrath*, *How to Read Literature Like a Professor*, *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 the variety of challenges they will encounter both in college-level courses and in the world of work. Students are expected to write in a variety of modes including expository, analytical, persuasive, and creative. Reading selections include drama, short fiction, non-fiction/memoir, essays and poetry. Students will also complete a series of projects including a Senior Transitional Portfolio, a job shadow requirement and a career exploration unit, a web-based research project and Google Slides presentation, an interview, and a cross-curricular service-based final project.

## **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 write on a variety of topics, both academic and personal. In addition to helping students prepare and assemble important documents (e.g. resumes, letters of recommendation, college and scholarship essays) the course also contains college and career exploration projects to help seniors in the decision-making process as they plan their future. A fully-documented research paper and Google slides presentation is also a requirement for this course. This class is offered along with Introduction to Literature so that students can satisfy their English 12 requirement.

## **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. Emphasis is on close reading and various critical perspectives as they apply to short fiction, poetry, drama and novels. In addition to essay tests and analytical papers, requirements include creative and multi-media projects. This course is offered along with English Composition 101 so that students can satisfy their English 12 requirement.

## **ENGLISH ACADEMIC INTERVENTION**

These courses are intended to assist students who are at risk of not achieving the state learning standards or not meeting performance levels on state assessments required for graduation. Enrollment is state mandated based on the student not meeting performance criteria.

## **READING ENRICHMENT**

**Grades 9-12 (1/2 credit)**

This is a reading intervention class intended to support students who are at risk of not meeting performance levels on state assessments due to below grade level reading ability. Classes are designed to meet individual needs with an emphasis on reading comprehension, word recognition, vocabulary, and fluency. Various student-selected books are used to promote motivation.

## **CREATIVE WRITING I**

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

This half-year course focuses on skills, techniques, and approaches to writing fiction. Students will experiment with various voices and styles as they complete a portfolio of creative work. The final project is either an anthology of short fiction, a longer short story, or several chapters in a novel-length work.

## **CREATIVE WRITING II**

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

This half-year course builds on the skills practiced in Creative Writing I. However, the introductory course is not a prerequisite. The focus shifts from prose to poetry and drama, with a student-designed final project. The class will also help produce *Smoke Signals*, the school's literary magazine.

# 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 Common Core 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, 8<sup>th</sup> grade Math or Pre-Algebra and teacher recommendation

This is a one year course that will prepare students for the Algebra I Common Core 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)**

**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)**

**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)**

Offered on the Distance Learning Network

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 SSAA 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.

# 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 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.

## **LIVING ENVIRONMENT**

**Grades 9 – 12 (1 credit)**

Prerequisite: None

Course Objectives: To incorporate the Common Core Learning Standards and current NGSS, NYS MST Standards through a study of biological concepts and theories related to living organisms and their physical environment.

TOPICS INCLUDE: Human Anatomy and Physiology, Plant and Animal Physiology, Cytology, Ecology and Evolution, Energy in Living Systems, Biochemistry, Genetics and Biotechnology, Reproduction and Development, and Laboratory applications. To prepare students for the NYS Regents exam in The Living Environment.

LAB REQUIREMENT: Completion of the laboratory requirement/reports as a prerequisite to the Regents exam, including submission of one lab report on a weekly basis, and completion of required amount of laboratory time/activities per NYS Dept. of Education.

Thirty (30) written lab reports with a passing grade are required in order to be eligible to take the State Regents Exam in June. Students will write and submit a lab report per week, and typically have 3-4 days to complete a written lab assignment. In Living Environment, there are 4 New York State Mandated labs that all students must perform and obtain a passing grade on their written lab report to be eligible for the Regents exam in June. These 4 labs are considered to be the lab practical portion for the Regents in which questions on these state mandated labs will be asked on Part D of the Regents exam. If a student misses one of these 4 mandated labs they will not be eligible to take the Regents exam.

## **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.

## **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.

## **ANATOMY & PHYSIOLOGY**

**Grades 10-12 (1 credit)**

**Prerequisites: Regents Living Environment and Chemistry**

### **Offered on the Distance Learning Network**

This course emphasizes the essential physiological principles underlying the function of the human body. The following systems and/or units will be covered: cells and tissue, muscular, nervous, cardiovascular, blood, respiratory, digestive and urinary systems, fluid balance and reproduction.

## **PHYSICS**

**Grade 12 (1 credit)**

Prerequisite: Two years of Regents Science, Integrated Algebra and Geometry and currently enrolled in or successfully completed Algebra 2.

This course is based on New York State Physics core curriculum. It is a laboratory course in which students are required to complete 30 satisfactory laboratory reports for admission to the Regents examination. This course is highly recommended for any student intending to take a physics course in college or entering an engineering, architectural or technical program upon graduation from high school. Major topics covered include mechanics and energy, wave motion, electricity and electromagnetic effects and nuclear phenomena as described in the State syllabus.

# **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)**

**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.

## **GLOBAL STUDIES/US HISTORY ACADEMIC INTERVENTION SERVICES**

This course is designed to remediate those students whose skills show a need of development for successful completion of the Regents in Global Studies or US History.

## **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)**

Prerequisite: None

In the first half of the course students will learn how to use Solidworks. Solidworks is a computer aided design, 3D modeling software, used by professionals in the design and engineering fields. With a basic knowledge of Solidworks, students will then learn to use the design process in developing solutions to proposed projects. Some of these designs will then be manufactured utilizing the equipment in the technology shop such as the CNC router and 3D printers.

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

## **RESIDENTIAL CONSTRUCTION**

**Grades 10-12 (1 credit)**

Prerequisite: Drawing and Design for Production suggested but not required

Students will learn about various construction techniques, materials and tools used in residential construction. This class will be a mixture of lecture and hands-on activities. Some topics that will be discussed include: drawings, construction materials, estimating, carpentry, electrical systems, plumbing systems and site work.

## **WOODWORKING**

**Grades 10-12 (1 credit)**

Prerequisite: Drawing and Design for Production

This course explores traditional to modern methods of producing fine woodwork. Students will study the properties of various species of wood and learn what types should be used for what applications. They will learn how to cut, drill, shape, chisel, plane, steam, and fasten wood. Some projects will be predetermined by the teacher, while other projects will be independently designed by the students.



## 5 CREDIT CTE SEQUENCES

### Accounting and Finance

Success 101	½ credit
Economics	½ credit
Sports Management	½ credit
Micro Computer Applications	1 credit
Business Law	1 credit
Financial Accounting	1 credit
Agribusiness Management	1 credit

### Technology (5 units total needed)

Success 101	½ credit
Intro to Engineering/Nano Tech	½ credit
Draw and Design for Production	1 credit
Wood Working	1 credit
Electronics	1 credit
Statics & Dynamics	1 credit
Micro Computer Applications	1 credit
Multimedia Applications	1 credit
Intro to Computer Scienc	1 credit
AP Computer Science	1 credit
Physics	1 credit
General Physics	1 credit

### Agriculture (5 units total needed)

Success 101	½ credit
Small Animal Care	½ credit
Environmental Science	½ credit
Horticulture	½ credit
Veterinarian Science	1 credit
Intro to Ag, Food & Natural Resources	1 credit
Equine Science	1 credit
Plant Science	1 credit
Dairy & Livestock Science	1 credit
Agribusiness Management	1 credit
Crosswalk (Work Experience)	1 credit
Agricultural Mechanics	1 credit
Agriculture Math	1 credit