

# **TRI-VALLEY SECONDARY SCHOOL**

## **Course Catalog 2023- 2024**



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Revised February 2023



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February 2023

Dear Parents/Guardians and Students:

The Guidance Department will soon begin scheduling students for the 2022-2023 school year. This is a very important and exciting time for students, as they are faced with making decisions that will impact their academic future. Students in grades 9-12 are required by New York State Education Department regulations to be in school for 5.5 hours per day, exclusive of a 30 minute lunch. Students at Tri-Valley Secondary School are required to take 6.5 credits per year. Our Tri-Valley goal is for each student to be college and career ready by the time they graduate and for every student to graduate with an Advanced Regents Diploma and to surpass the minimum requirements for graduation from Tri-Valley.

In consultation with students and their assigned guidance counselor, students will map out a path for successful completion of high school, focusing on preparing for post-secondary school goals. Next to grades, one of the largest factors colleges take into consideration when accepting students is the rigor, or difficulty of coursework taken during the student's high school career. The Tri-Valley Central School Course Catalog is designed to assist you in that process by describing all courses, along with identifying any necessary prerequisites or recommendations. Students are eligible to attend Sullivan County BOCES CTE to take a vocational class during their junior and senior years. Our elective courses are designed to run on a bi-annual basis to allow students greater opportunities to take additional electives. Many classes can be taken to earn college credit. Currently, we offer 45 college credits, available through SUNY Sullivan. This includes courses in Business, Math, Spanish and Social Studies.

I encourage you to review the contents of the catalog before meeting with your counselor during the selection process. Challenge yourself academically. If I can be of any assistance, please do not hesitate to contact me. Both counselors are anxious to begin and to support you, by presenting the best options to meet your academic goals. They can be reached at 845-985-2296:

Ms. Tracy Jones  
Mr. Marshon Williams

Ext 5506 (Grades 7, 9, and 11)  
Ext 5507 (Grades 8, 10, and 12)

Sincerely yours,  
*David C. Pulley*  
David C. Pulley  
Principal

# Graduation Requirements

## Class of 2016 and beyond

Regents Diploma Required Courses		Advanced Designation Regents Diploma Required Courses	
English	4	English	4
Social Studies	4	Social Studies	4
Math **	3	Math	3
Science **	3	Science	3
Language other than English*	1	Language other than English <sup>§</sup>	3
Art/Music	1	Art/Music	1
Health	½	Health	½
Physical Education	2	Physical Education	2
Electives	3.5+	Sequences/Electives	1.5+
Total	22.0+	Total	22.0+

\* Students are required to have completed one unit of credit in foreign language by the end of their freshman year or pass the New York State Proficiency Exam

\*\* An integrated course in mathematics/science/technology may be used as the third required unit of credit in mathematics or science

Regents' Diploma Required Exams	Advanced Regents' Diploma Required Exams
CC English Language Arts Regents'	CC English Language Arts Regents'
CC Algebra I Regents'	CC Algebra, CC Geometry, CC Algebra II Regents'
Global Studies Regents'	Global Studies Exam Regents' Exam
U.S. History Regents'	U.S. History Regents'
1 Science Regents' – either Living Environment, Earth Science, Physics or Chemistry	Two Science Regents' – from Living Environment, Earth Science, Physics or Chemistry
	Regents Foreign Language <sup>§</sup>

<sup>§</sup> Students acquiring 5 units of credit in Art, Music, Business, Technology, Family Consumer Science or Vocational Education may be exempt.

### Minimum Regents Exams Scores Required for a Traditional Regents Diploma

Number of Regents to be Taken	Minimum Score Needed on all
5	65%

New York State now provides additional pathways for students to earn their NYS Regents Diploma or a local diploma. “Multiple pathways recognize the importance of engaging students in rigorous and relevant academic programs.” In general, students must pass 4 required Regents exams plus 1 pathway specific assessment. For more information, please speak with your guidance Counselor or visit:

<http://www.nysed.gov/common/nysed/files/programs/curriculum-instruction/diplomarequirementsfinal011019.pdf>  
and/or <http://www.nysed.gov/curriculum-instruction/multiple-pathways>

For diploma options and safety nets for students with disabilities, please contact your child's guidance counselor

**Note:** Students are expected to take Computer Applications (0.5 credit) and Career and Finance (0.5 credit) as a part of the required courses for graduation at Tri-Valley.

**2023-2024 - Honors Courses,**  
**Honors – English and Social Studies – Grades 9 & 10**

Multiple measures are used to determine eligibility and participation in the program. In considering each student, we want to have a comprehensive picture of his/her abilities, knowledge, and potential for success within this rigorous and demanding academic program. The following measures will be taken into consideration when determining acceptance into the honors program:

1. **Academic:** The student must show a record of consistent academic growth and achievement **commencing in the fall of grade 7 through spring of grade 8**, as evidenced by the following data:
  - a. **NWEA/MAP:** (See MAP “Student Profile” Report) The average of all MAP Growth test results for grades 7-8 is the 70th percentile or higher.
    - i. The MAP Growth test results at the end of grade 8 is the 70th percentile or higher (See NWEA Research studies, Normative Data).
  - b. **Classroom Grades:** Throughout the 8th-grade year, students must maintain a grade in ELA and Social Studies of 92% or higher grade average and an average of 92% or higher on unit assessments and mid-term and final exams.
2. **Attendance:** Attendance is a critical factor due to the pace of instruction and curricular demands. Students must maintain a 95% or higher attendance rate (9 or fewer absences per year). If a student does not meet the 95% attendance rate, absences must be documented as legal. The nature and pattern of absences will be taken into account, as well as looking at the student’s 7th and 8th-grade attendance record.
3. **Discipline:** A review of the student’s discipline history will be taken into account, especially where discipline interferes with classroom instruction and learning.
4. **Teacher Recommendations:** The teacher will make a recommendation for each student to participate in the honors program. In addition to the above criteria, the teacher will take the following into account for each student in making a recommendation:
  - a. Response to classroom instruction and demonstrated proficiency/mastery of related skills and knowledge.
  - b. Social-Emotional maturity: ability to handle classroom demands, academic rigors, and academic requirements of the honors program. This includes the student’s work ethic, level of independence, and completion of work, including homework, outside of the classroom/school day.
5. **Essay:** Students interested in entering the Honors English or Social Studies program will be required to write an entrance essay based on a historical prompt. The essay will be completed in school during the spring semester of 8th-grade. The essay will be graded using the [NYS rubric](#). Students must score at least a 3 or a 4 on the essay.
6. **Committee Interview:** Students interested in entering the Honors English and/or Social Studies program will be required to attend an interview with a committee of English and Social Studies teachers. The student will be asked questions about their interest and motivation in entering the Honors program.
7. **Summer Assignment:** Students will complete a summer assignment that involves reading, writing, and using ELA and/or Social Studies skills. Specific directions for the assignment will be explained at the end of the school year.
8. **Final Determination:** Upon the teacher/team making a recommendation, ultimately, the parent(s) and student make the determination of whether the student will participate in the honors program for English and/or Social Studies.
9. **Parental/Guardian Appeal:** Absent a teacher/team recommendation for a student’s participation in the honors program, the parent(s) may appeal the decision to the Secondary Principal. The Secondary Principal and/or the Assistant

Superintendent for Instruction and Curriculum will meet with the teacher/team to gain understanding and insight into their determination. The Principal and/or Assistant Superintendent for Curriculum and Instruction will meet with the parent(s) and the student for further consideration. An interview with the student, related to academic readiness and the academic rigors and demands of the honors program, will be conducted to assess the student's willingness, aptitude, and abilities to meet the challenges of the program. The Principal will make the final determination.

### **Criteria for Continuation during Grade 9**

Students must meet the following criteria during Grade 9 to remain in the honors program.

- a. Attendance is a critical factor due to the pace of instruction and curricular demands. Students must maintain a 95% or higher period (English or Social Studies) attendance rate. If a student does not meet the 95% period attendance rate, absences must be documented as legal. The nature and pattern of absences will be taken into account, as well as looking at the student's overall daily attendance rate and 8th-grade attendance record.
- b. Students must maintain a 92% average in both English and Social Studies at each marking period.
- c. Students must achieve a 90% on a mid-year benchmark assessment.

### **Options for Students Not Meeting Criteria within Grade 9**

- a. Students whose average is less than 92% in a single quarter for either English or Social Studies will be on "probation" for the honors program. If the student's average continues to be less than 92% in the following quarter, the student may be transferred to the regular Grade 9 English and Social Studies classes at the end of the second consecutive quarter with an average of less than 92%. If the lower grades first occur during the 3rd quarter, the student may remain in the class for the remainder of the year. Students' participation in Honors classes, as a 10th-grade student, will be further considered.
- b. Students achieving 85% to 91% on the mid-year benchmark assessment may stay in the honors program, in agreement with the parent(s)/guardian, for the remainder of the year. However, they will not automatically continue with the honors program in 10th-grade.
- c. Students achieving less than 85% on the mid-year benchmark assessment will either be transferred to a regular grade 9 class at mid-year or may stay in the honors program, in agreement with the parent(s)/guardian, for the remainder of the year with the understanding that they may not continue with the honors program in 10th-grade.

### **Criteria for Continuation with Honors Program in Grade 10**

Students must meet the following criteria in Grade 9 to continue in the honors program in Grade 10.

- a. Attendance is a critical factor due to the pace of instruction and curricular demands. Students must maintain a 95% or higher period (English and/or Social Studies ) attendance rate (9 or fewer absences per year). If a student does not meet the 95% period attendance rate, absences must be documented as excused. The nature and pattern of absences will be taken into account, as well as looking at the student's overall daily attendance rate and 9th-grade attendance record.
- b. The student's Spring MAP English Growth RIT score at the end of grade 9 must be at or above the 70th percentile and within the average RIT band range for 9th-grade spring results. (See MAP Growth norms tables).
- c. Students will complete a summer assignment that involves reading, writing, and using ELA and/or Social Studies skills. Specific directions for the assignment will be explained at the end of the school year.
- d. Students interested in entering the Honors English and/or Social Studies program who are not enrolled in 9th-grade honors may request to be promoted to 10th-grade honors based on their grades, a letter of interest, and a teacher recommendation. More details will be discussed with individual students.

### **Criteria for Continuation during Grade 10**

Students must meet the following criteria during Grade 10 to remain in English 10H and Global History and Geography IIIH in Grade 10.

- a. Attendance is a critical factor due to the pace of instruction and curricular demands. Students must maintain a 95% or higher period (English and/or Social Studies) attendance rate. If a student does not meet the 95% period attendance rate, absences must be documented as legal. The nature and pattern of absences will be taken into account, as well as looking at the student's overall daily attendance rate and 9th-grade attendance record.
- b. Students must maintain a 92% average in either English or Social Studies at each marking period. Students whose average is less than 92% in a single quarter for either English or Social Studies will be on "probation" for the honors program. If the student's average is less than 92% in the following quarter, the student may be transferred to the regular Grade 10 English and/or Social Studies classes.
- c. Students must achieve a 90% on a mid-year benchmark assessment.

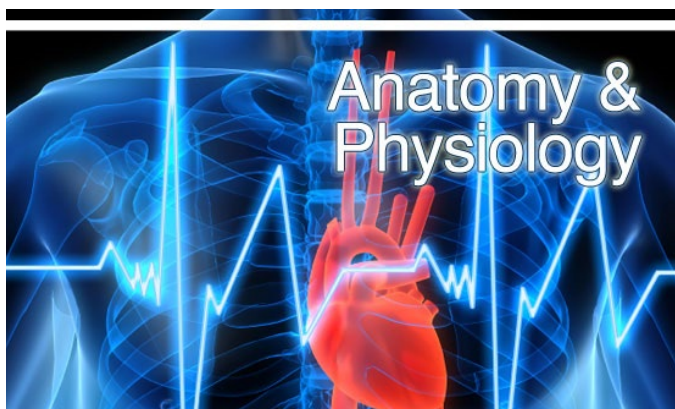
#### **Options for Students Not Meeting Criteria within Grade 10**

- a. Students whose average is less than 92% in a single quarter for either English and/or Social Studies will be on "probation" for the honors program. If the student's average continues to be less than 92% in the following quarter, the student may be transferred to the regular Grade 10 English and/or Social Studies classes at the end of the second quarter.
- b. Students achieving 85% to 91% on the mid-year benchmark assessment may, in agreement with the parent(s)/guardian, stay in the honors program.
- c. Students achieving less than 85% on the mid-year benchmark assessment will either be transferred to a regular grade 10 class at mid-year or may in agreement with the parent(s)/guardian, stay in the class.

# Agriculture

## **Anatomy and Physiology** **Credit – 1** **Prerequisite – Biology (highly recommended)**

Interested in a career in nursing, veterinary science, physical therapy, or dealing with medicine and the human body? If so, this is the course for you. A variety of living species are examined in this course, focusing on the most common animals seen within a veterinary practice. This course also delves into human anatomy and physiology. Explore the wonders of the body; see how and why it works. Perform hands-on activities working with the musculoskeletal system, tissues, the cardiovascular system, senses, nervous system, respiration, reproduction and more. This is a hands-on, lab based class, so get ready to learn by doing.



## **Animal Science I – Domestic & Wildlife Animal Science** **Credit – ½** **Grade Level 9 – 12**

Animals serve three major purposes – food, work and entertainment. Explore these areas in Animal Science I. Eat steak as we learn the importance of the beef industry. Discover alternative agriculture as we study honey, caviar, and other products. Sample cheeses - as we learn about the processes behind animal agriculture products. Students will learn about the diverse areas of livestock production and companion, pleasure, draft, service and wildlife animals. Experience the world of animal science in this class!

General areas of study include:

1. Anatomy and Physiology
2. Reproduction and Behavior
3. Nutrition
4. Health

5. Animal Growth and Development
6. Issues of Animal Welfare
7. Consumer Concerns

***Please do not take this course if you are allergic to animals or are unwilling to handle animals.***

## **Animal Science II - Small Animal Care** **Credit – ½** **Grade Level 9 – 12**

Ever see a mouse go through a maze? Do you know why a chinchilla cannot get wet and bathes in dust? Animal Science II explores small animals and other pocket pets in greater depth. During this class, students will work with classroom pets and outside animals on topics of health requirements, care, handling, breeding and sales. Also included in the course will be:

1. Additional Small Animal Care
2. Animal Welfare and Well Being
3. Retail Marketing of Small Animals
4. Animal Behavior and Training

***Please do not take this class if you are allergic to animals or are unwilling to handle animals.***

## **Environmental Science** **Credit – 1** **Grade Level 10 - 12**

This course introduces and heightens students' awareness of their environment. Students will participate in a number of indoor and outdoor activities that will emphasize environmental issues and management techniques. The course exposes students to careers and educational opportunities related to the environment and natural resources.

General areas of study include:

1. Importance of the Environment and Natural Resources
2. Science and Technology in the Environment
3. Using Natural Resources
4. Disposing of Wastes and Recycling
5. Living in Harmony with the Environment
6. Future Opportunities in Environmental Science and Technology.



**Food Science and Technology**  
**Grade Level 9 – 12**

**Credit – ½**

Food science is an up-in-coming career area and during this course students will have an opportunity to make food and consume food! This class will include the study of carbohydrates, proteins, lipids, vitamins, and water in food. Examinations of foodborne microbes, enzymology, biotechnology, nutrition, and current concepts in food safety. We will study flavor chemistry, food product creation including the processes of creaming (ice cream), dehydration (jerky, fruit leather), pasta cutting, baking techniques and more. Students will use their senses and have the opportunity to learn about food from production to consumption. Remember, you should be willing to taste what you produce in class, in order to determine if it is a quality product.

Topics of study include – principles of food technology, food safety and sanitation, food microbiology, issues in meat and food science, food science research, fruit and vegetable processing, food chemistry and more.

**Plant Science**  
**Grade Level 9 - 12**

**Credit – 1**

Plant Science introduces students to the plant science section of the agriculture industry. Students will learn principles of plant anatomy and physiology, the role of nutrition, deficiencies, and growing environment on plant production. Additional topics included are soil management, selecting seeds and crops, insects and diseases, irrigation, plant identification, and business management.

**Youth Leadership Development**  
**Grade Level 9 - 12**

**Credit – ½**

This course examines aspects of positive youth development with an emphasis on how to apply them to “real world” issues facing young people. Through hands-on activities, students explore the theories and practices from a historical and 21<sup>st</sup> century perspective. While acknowledging the history of youth development, students explore personal growth, learn to build resilience, perform leadership development task, concentrate on academic success, public policy, financial literacy, and discuss current social changes that impact positive youth development. Students will perform community service as well. You do not need to be an FFA member to take this class.

This course meets every other day for the full year.

**Green House Nursery Management**  
**Grade Level 9 -12**

**Credit – 1**

Students will experience many hands-on activities through propagating, testing seeds for germination, transplanting, caring for plants in the greenhouse and community gardens, and researching careers in the green industry. Students will learn skills needed to work in a greenhouse and garden center.



**Floral Design I**  
**Grade Level 9 – 12**

**Credit – ½**

This class is hands on, lab based and career driven in a field that is wide open to men and women. If you like working with your hands, enjoy art, and want to learn about the floral design industry, this is the course for you! This course will introduce students to the world of floral design through hands on creations and real world experience. Floral arts will be studied and different arrangements will be made using a variety of fresh, dried and silk flowers. This course is a perfect choice for anyone who enjoys working with his or her hands, or anyone interested in a future within the floral industry.

General areas of study include:

1. Floral History
2. Plant Science
3. Elements and Principles of Design
4. Floral Arrangements
5. Floral Industry in the United States and the World.

## Floral Design II

### Prerequisite - Floral Design I

Credit – ½

This class is an extension of Floral Design I. In the course students will learn the growing of floral design plants, care and handling of those plants, construction of container gardens and much more. This class is the science behind floral design and looks at both how the plants get to the florist and long term responsibilities of florists. Actual growing of plant materials will be involved, and students will be responsible for a long-term floral design project.

## Landscape Design

### Grade Level 9 – 12

Course offered: 2024-2025

Credit - 1

Students will experience many hands-on experiences during this course. It provides students with an introduction to the fundamentals of landscape design, installation, and management. Instruction and evaluations are based on hands-on labs, where attendance and participation are essential for success.



## Agricultural Business Foundations

### Grade Level 9 - 12

Course offered: 2024-2025

Credit – ½

“Agricultural Business Foundations introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent CASE courses. Throughout this course are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community.” CASE

## Introduction to Agriculture, Food and Natural Resources

### Grade Level 9 - 12

Course offered: 2024-2025

Credit 1

“This course introduces students to agricultural opportunities and pathways of the study of agriculture. Students will experience hands-on activities, projects and problems. Student experiences involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture and natural resources, students learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Students explore career and post-secondary opportunities in each area of the course.” – CASE

Topics of Study Include:

1. Agricultural Education
2. Communication Methods
3. Science Processes
4. Natural Resources

# Art

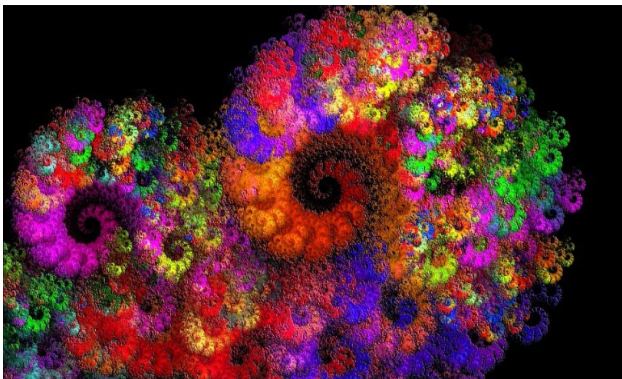


*To meet graduation requirements, students are required to earn 1 unit of credit in art or music in an **HS1** level course.*

## Studio Art **(HS1)** Grade Level 9 - 12

Credit – ½

This foundation course is designed to introduce the fundamentals of artistic expression using a broad range of art media. The focus of this comprehensive course is the study of how artists use composition and how they convey ideas through application of a variety of media. Students practice applying the elements of art and principles of design to produce meaningful art.



Grade Level 9 - 12

## Studio in Crafts **(HS1)**

Credit – ½

This foundation course is a survey of a wide range of craft forms; some possibilities include fibers, ceramic work, silk screening, mask-making, papermaking, jewelry, printmaking, and so on. The focus of this comprehensive course is on communication of ideas and application of form and structure through diverse **media**

and the study of historical and contemporary art and artists from a worldwide perspective.

## Introduction to Digital Art **(HS1)**

Credit – ½

This foundation course introduces students to digital media applications such as Adobe Photoshop, Adobe Illustrator, and TinkerCad. Students will work in both 2D and 3D formats. Assignments will include digital drawing and painting, 2D and 3D design projects, and photo manipulation.

## Digital Photography **(HS1)**

Credit – ½

This foundation course introduces students to fundamental concepts and practices of digital photography. The curriculum covers the mechanical and digital functioning of DSLR cameras, digital file formats, composition, lighting, digital editing, printing, and digital presentation. Students will learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. Students will engage in critiques of their photographic images, the works of other students, and those by professional photographers.



## Studio in Ceramics **(HS2)**

Credit – ½

This foundation course includes the study and creation of both functional and nonfunctional pottery. Students become familiar with all phases of clay, hand building techniques: pinch pot, coil, and slab construction, glaze application and independent design planning.



**Studio in Drawing (HS2)****Credit – ½****Prerequisite: Studio Art**

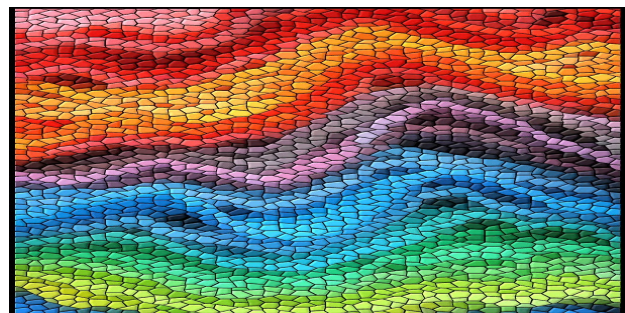
Students will explore a variety of painting techniques, styles, and media as they create unified artistic compositions.

**Studio in Painting (HS2)****Credit – ½****Prerequisite: Studio Art**

Students will explore a variety of painting techniques, styles, and media as they create unified artistic compositions.

**2D Digital Art (HS2)****Credit – ½****Prerequisite: Intro to Digital Art**

An advanced art course covering the terminology, hardware, and software used in two-dimensional, digital art production. Students will create both pixel and vector based projects that involve graphic design, product design, publication design, and digital photo manipulation.

**3D Digital Art (HS2)****Credit – ½****Prerequisite: Intro to Digital Art**

An advanced art course covering the terminology, hardware, and software used in three-dimensional, digital art production. Students will create projects that explore the technical aspects of 3D modeling and the application of 3D models in product design, media production, animation, and game design.

**Cartooning Comics & Animation (HS2)****Credit – 1****Prerequisite: Intro to Digital Art**

Cartooning and Comics is an advanced art class that introduces professional techniques used when creating sequential art for comic strips, comic books, and animation. Students will examine all aspects of the

cartooning process including concept and character development, script writing, layout & design principals, penciling, inking, digital coloring, and lettering. Animation projects will include character design, walk cycles, lip syncing, background looping, and animation principals.

**Media Production (HS2)****Credit - 1****Prerequisite: Digital Photography**

This advanced course introduces students to broadcast production equipment and technology as well as editing and production practices for distributing visual media both live and pre-recorded. Students will help set up and work within a working broadcast studio. Projects may include YouTube streaming, podcasting, and broadcasting video for school-related activities including morning announcements.

**Set Painting and Mural Design (HS2)****Credit - 1****Prerequisite: Studio Art**

Set Painting and Mural Design introduces students to large scale painting techniques. Students will design murals and will work in collaboration with the Theatre Technology class and Theater Club producing sets and backdrops for school plays and musicals.



**Video Production (HS2) Credit – ½**  
**Prerequisite: Digital Photography**

Students will explore the process of creating visual media from initial concepts to finished production. This process includes the following:

- Pre-production – planning and preparation (includes script writing)
- Production – filming and sound recording (audio & video) – includes working with actors (talent), props and settings (sets).
- Post-production – editing audio and video; creating video and audio effects.

Projects may include short movies, documentaries, video promotions, commercials, SAs, and music videos.

**Art Portfolio I (HS3) Credit - 1**  
**Prerequisite: Two Art Credits (one HS1 and one HS2)**

An advanced class intended for students who have one HS1 visual art credit and at least one HS2 visual art credit. Students will work with the instructor to create an independent program of study while developing a portfolio to submit to art schools. Recommended for any student considering attending an art school after graduation or planning to seek employment in an art related field.

**Art Portfolio II (HS3) Credit - 1**  
**Prerequisite: Art Portfolio**

Continuation of the work begun in Art Portfolio. Students will plan projects in collaboration with the instructor as they finalize their portfolios. Completed portfolios will be prepared and submitted to art schools.

**Independent Study in Art (HS3) Credit – 1 or ½**  
**Prerequisite: Art Portfolio 1**

Independent study in Art enables students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a

topic in greater detail, or to develop more advanced skills.

**Multicultural Crafts Credit – ½**  
**Grade Level 9 - 12**  
**Course offered: 2024-2025**

Multicultural crafts introduces a wide range of traditional, contemporary, and multicultural craft projects, such as basketry, sculpture and printmaking.

**Intro to Web Design Credit - ½**  
**Prerequisite: Studio Art**  
**Course offered: 2024-2025**

Intro to Web Design explores the creative and conceptual aspects of designing and developing interactive, multimedia web sites that emphasize the principles of graphic design, interactivity, and usability. Students learn about a variety of visual, navigational, and structural approaches to navigation systems, visual hierarchy, basic animations, image preparation and file-transferring protocols.





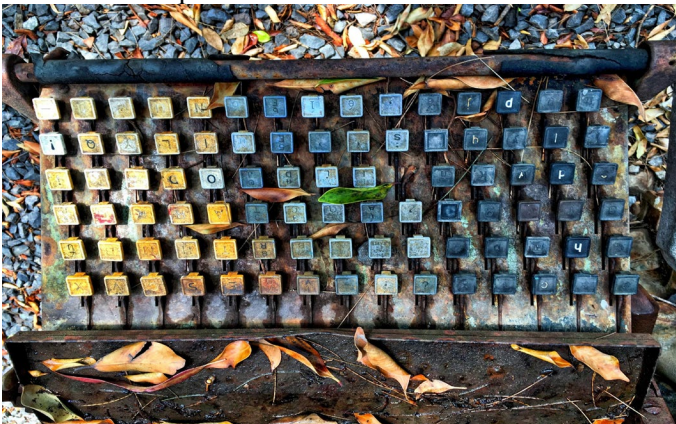
# Business & Computers

To complete the Computer Literacy graduation requirement, all students must take Keyboarding & Computer Applications.

## Computer Applications Grade Level 9 - 12

Credit – ½

This course is designed to teach, review, and emphasize proper keyboarding technique in addition to exposing students to technology in order to facilitate classroom projects and prepare for college and careers. Through practice, students will enhance employability and technical skills through the use of Microsoft Office (Word, Excel, PowerPoint, and Publisher) as well as online/web-based programs. Proper research techniques using the Internet will also be emphasized with a focus on digital citizenship. Students will be expected to type at least 30 words per minute.



## Entrepreneurship

Credit – ½

**Prerequisite:** Computer Applications, Completion of 9<sup>th</sup> Grade

This course is an introduction to basic entrepreneurship concepts and skills needed to start and run your own business. Students will spend time learning about marketing, budgeting, economics, product design, inventory, and insurance, specifically how they relate to entrepreneurship, and where they fit into starting your own business. Students will learn terminology and concepts and use what they have learned throughout the course to complete projects that will help them learn what it takes to start and maintain their own successful business.

## Career & Financial Management **Prerequisite:** Computer Applications

Credit – ½

This half-unit course provides students the opportunity to explore different occupational subject areas and acquire career and college ready skills. It is divided into two modules: careers and personal financial management. All components of the career awareness graduation portfolio are completed throughout this course.

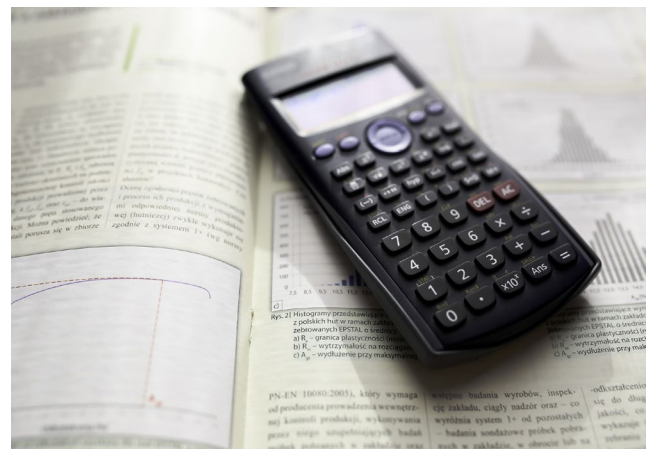
## Principles of Marketing (3 college credits) Credit – ½ **Prerequisite:** Completed 10<sup>th</sup> Grade or Teacher Recommendation

This course is an introduction to the complex marketing process, its functions, institutions and activities. Students complete a comprehensive survey of the marketing mix, consumer behavior, channels of distribution, marketing methods, policies, and organization. This college level course is offered to our students in conjunction with Sullivan County Community College. Students will receive 3 college credits as well as school credit for this course.

## Business Math (3 college credits) **Prerequisite:** Passed the Algebra Regents

Credit – ½

This course covers mathematics used in everyday business and accounting. Among the topics included are: fractions and decimals, the use of algebraic equations, percentages and their applications, sales and trade discounts, markup, payroll, checking accounts, simple and compound interest, discounting of notes, present value, taxes, and business statistics. This college level course is offered to our students in conjunction with Sullivan County Community College.





### **AP Computer Science**

**Credit- 1**

**Prerequisite:** Successful completion  
Of Algebra I and Algebra I Regents

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.

**\*This course is accepted by NYSED for MATH credit\***

### **Accounting**

**Credit – 1**

**Prerequisite:** Passed the Algebra Regents

**Course offered: 2024-2025**

This course provides an introduction to accounting including the classification and recording of original business transactions, the preparation and evaluation of financial statements, and the application of generally accepted accounting principles. The course will incorporate appropriate technology to include spreadsheets in the instructional process. This course may satisfy one unit of math credit.

### **College Accounting (3 college credits) Credit – ½**

**Prerequisites:** High School Accounting  
and/or Algebra 2

This course covers the role of accounting in the decision-making process and the application of current generally accepted accounting principles for measuring and communicating financial data about a business enterprise to external parties. This college level course is offered to our students in conjunction with Sullivan County Community College. Students will receive 3 college credits as well as high school credit for this course. This course also satisfies one unit of math credit

### **Business Law (3 college credits)**

**Credit – ½**

**Grade Level 11 - 12**

The first part of this course concerns the legal environment within which business must function. Students explore the structure of existing US laws and court systems and the legal processes by which laws are made and applied to actual controversies. The balance of the course is devoted to the subject of contract law and covers aspects of the rights and responsibilities of the parties to a contract. This college level course is offered to our students in conjunction with Sullivan County Community College. Students will receive 3 college credits as well as high school credit.

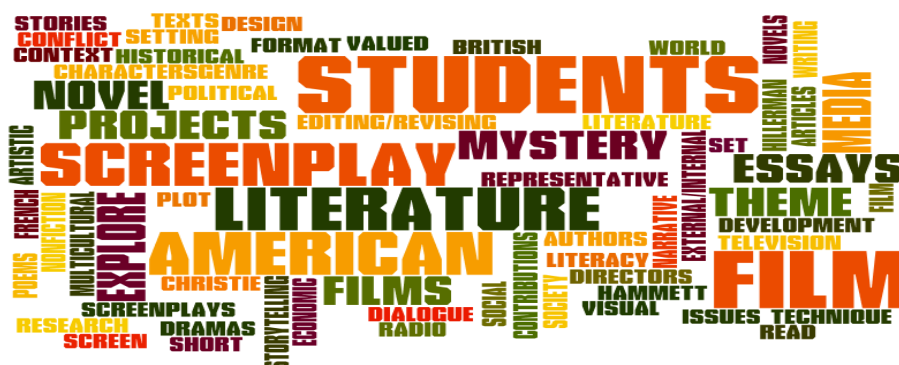
### **Intro to Programming & Computer Science**

**Credit- 1**

CMU CS Academy CS1

This course is provided in collaboration with Carnegie Mellon University, Computer Science Academy. Computer Science and computational problem solving are fundamental skills for engaging the 21st-century marketplace of ideas and economies. We believe that all students should have the opportunity to learn these skills as they will use them in whatever career they are likely to enter. The course features Python programming is predicated on the notion that learning about programming (coding) and computer science should be fun and engaging. This requires interesting problems to solve, as computational problem-solving is the core of computer science. As students progress, the course alternates between graphics and non-graphics contexts to ensure students have a wide exposure to the richness of computational domains in which to solve problems. At the end

# English Language Arts



## English 9

Credit – 1

This course is required of all 9th grade students who are not enrolled in Honors English 9. English 9 provides a comprehensive overview of the major literary genres and focuses on the development of essay writing skills. Grammar, mechanics, usage, and composition skills are reinforced through various writing assignments. Literature study in the various genres and the completion of a research paper written in MLA format is a requirement. This course addresses the NYS Common Core Standards for Reading, Writing, Speaking, & Listening. Text analysis is a strategic focus in 9<sup>th</sup> grade.

## English 9 Honors

Credit - 1

**Prerequisite: Meet Honors Requirements**

The Honors English class covers the same material as the Regents level classes with an emphasis on creative and critical thinking skills and advanced reading and writing techniques. Students will have more in-depth questions and analysis of literature. Students improve their language abilities through the writing process in conjunction with analysis and response to appropriate literary selections. Completion of a research paper written in MLA format is a requirement. This course addresses the NYS Common Core Standards for Reading, Writing, Speaking, & Listening. Text analysis is a strategic focus in 9<sup>th</sup> grade.

## English 10

Credit – 1

This course provides students with the opportunity to study works of literature that enhance their appreciation of world issues both past and present. At times topics

will align with topics covered in Global Studies 10, furthering students' understanding of their place in a global society. Students will continue to refine writing (including grammar and mechanics) abilities through response and analysis of the literature studied in this course. A research paper written in MLA format is required. This course addresses the NYS Common Core Standards for Reading, Writing, Speaking, & Listening. Supporting claims with relevant evidence and clear reasoning is a strategic focus in 10<sup>th</sup> grade.



## English 10 Honors

Credit - 1

**Prerequisite: Meet Honors requirements**

Like the regents level course, English 10 Honors provides students the opportunity to study works of literature that enhance their appreciation of world issues both past and present. The course is writing intensive and relies on active class discussion. At times content will align with topics covered in Global Studies 10, furthering students' understanding of their place in a global society. This course challenges critical minds, encouraging students to ask sophisticated questions and seek answers using research methods. This course is



aligned to the NYS Common Core Standards for English/Language Arts. The focus of this course will include analyzing and evaluating texts and argument. It will also focus on conducting research and evaluating sources on various subjects. It will also include writings and presentations of knowledge with a focus on audience, purpose, and task using multimedia formats. Note taking skills, time management, and study strategies will be developed using collaborative discussions and critical listening. An emphasis will be put on the conventions of language, including vocabulary acquisition and use of the preparation of the SAT. Supporting claims with relevant evidence and clear reasoning is a strategic focus in 10<sup>th</sup> grade.

### English 11

**Credit – 1**

English 11 is a Regents level class in which students study the literature of the United States from the country's inception to the present day. All students enrolled in the class must take and pass the New York State English Regents in June. Much emphasis is placed on students mastering the reading, writing and listening skills they have worked with throughout their English education. Students will critically analyze major literary works as well as delve into rhetorical analysis. A research paper written in MLA format is required for the completion of this course. This course addresses the NYS Common Core Standards for Reading, Writing, Speaking, & Listening. The reiteration of key concepts and textual and rhetorical analysis are a strategic focus in 11<sup>th</sup> grade.

### English 11 Honors

**Credit - 1**

#### Prerequisite: Meet Honors requirements

This course offers the serious student a sophisticated approach to the reading of literary material and the analytical writing process. It is designed to prepare students for College English. Students will critically analyze major literary works such as: *The Scarlet Letter*, *The Great Gatsby*, *In Cold Blood*, *Our Town*, *The Crucible*, *Death of a Salesman*, and *King Lear*. In addition, students will examine other genres, such as poetry, the short story and the literary essay. The goal of this course is to challenge enthusiastic and accomplished students and provide them the opportunity to master the skills of critical interpretation and rhetorical analysis. In addition, students will hone their research skills by completing one research project, which will be presented in both written and oral form. All students enrolled in

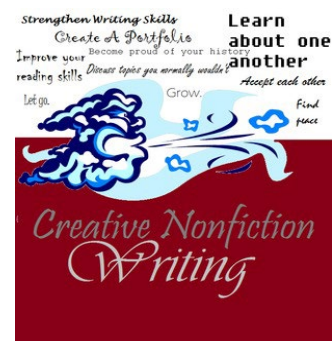
the class will take and pass the New York State English CC Regents in January. This course addresses the NYS Common Core Standards for Reading, Writing, Speaking, and Listening. The reiteration of key concepts and textual and rhetorical analysis are a strategic focus in 11<sup>th</sup> grade.



### English 12: Writing for College & Career Readiness

**Credit – ½**

Students will produce coherent texts using strategies to prepare them for writing outside of school to be successful in the real world. Students will engage in learning about writing strategies for formal letters, argumentative essays, email, research papers, written job application forms, college essays, and several other practical forms of writing. The skills taught in this course are important to ensuring that every student who graduates has a clear understanding of how to succeed and thrive in college, at work, or both. The goal is to develop students who can write across purposes and audiences.



**Creative Nonfiction: Personal Narrative Writing and Memoir Development** Credit – ½  
**Prerequisite: Grade Level 10 – 12**

Each of us has a stories that are worth telling. Everyone’s life is somehow unique, even extraordinary. You might associate memoirs and personal essays with famous people, but ordinary people too are picking up their pens and trying to recreate their memories on paper. Creative nonfiction has become one of the fastest-growing genres in the world of publishing. This course is for anyone interested in writing personal narrative in any form: creating nonfiction, memoir, or personal essay. This course introduces you to the fundamentals of nonfiction: developing and shaping story ideas. Class time will include weekly readings and prompts in a variety of styles.

The culminating project is submitting a final draft of a personal essay to potential publishers.

**Fundamentals of Speech CC** Credit - ½  
**(3 College Credits)**  
**Grade Level 11 - 12**

This is a ½ year course, designed to develop and enhance the student's' ability to prepare, interpret, and deliver information orally to an audience utilizing a range of styles and techniques.

General areas of study include:

1. Speaking to Inform
2. Speaking to Persuade
3. Speaking on Special Occasions

**Mystery, Suspense and Crime Fiction** Credit - ½  
**Prerequisite: Grade Level 11 - 12**

In this course, students will be looking at three basic forms of crime literature: detective, mystery, and true crime. Students will distinguish the qualities of classic detective and mystery fiction by analyzing its origin within the Gothic Literary Movement and its evolution through The Golden Age of Detective Fiction. The latter half of the course will focus on creative nonfiction and investigative journalism. The reading list includes: *The*

*Murders in the Rue Morgue* (1841) by Edgar Allan Poe, “The Cask of Amontillado” (1846) by Edgar Allan Poe, *And Then There Were None* (1939) by Agatha Christie, *The Devil in the White City* (2003) by Erik Larson, and *Serial the Podcast* (2014) hosted by journalist Sarah Koenig.



**ENG 1001: English Composition I** Credit - ½  
**(3 College Credits)**  
**Prerequisite: English 11**  
**Fall Semester**

This course teaches students strategies of critical academic writing in various genres, including analysis, argument, and researched writing. The course challenges students to understand that effective communication requires people to be aware of the complex factors that shape every rhetorical context, including issues of power, history, difference, and community; and that writing as a process involves reflection and revision. Students write formal papers for each major unit, in addition to various informal writing assignments and a culminating portfolio. This is a college course offered through Sullivan County Community College, and students will receive a Sullivan County Community College transcript.

**Psychology in Literature and Film** Credit – ½  
**Prerequisite: English 10**

Psychology in Literature and Film is a course that allows students to study a variety of different mental illnesses and ways to look at mental health through fictional characters as well as nonfiction accounts. Mental illnesses that may be discussed are depression, anxiety, eating disorders, OCD, psychopathy, bipolar disorder, and schizophrenia. Students will also learn the history of early treatment of mental illnesses as well as current treatments and how they can affect mental health overall. Through novels, memoirs, film and more, students will

learn about the complexities of the human mind and examine topics of psychology from a literary perspective.

### **Short Story Writing**

**Credit - ½**

**Prerequisite: English 10**

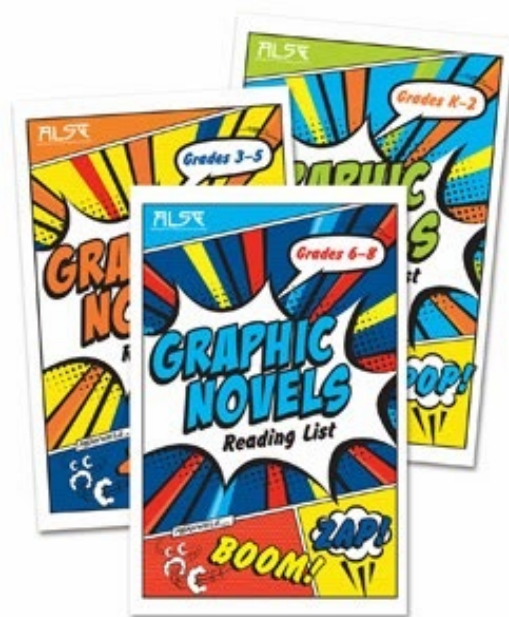
This course focuses on the art of short story writing. This class includes examining the craft of the short story, which we will explore through reading great short stories, writers speaking about writing, writing exercises and conducting workshops on original stories. Class time will include weekly readings and prompts in a variety of styles. Class readings will expose students to various writing styles and provide examples of the successes and strategies of other writers. In addition to writing their own stories, students will read and examine a variety of published literary short stories. The culminating project is submitting a final draft of a short story to potential publishers. A collection of short story books and *Writer's Digest Magazine* articles will provide great examples of what truly makes a good short story to market to magazine and journal publishing companies.

### **Graphic Novels**

**Credit – ½**

**Prerequisite: English 10**

This course will combine literary, artistic, and historical approaches to analyzing an important and rapidly growing form of literature: the graphic novel. Graphic novels are works of literature presented in comic book format and published as a book. Studying the depth and artistry of graphic novels reinforces the literary analysis skills students are developing and offers a different perspective about what it means to be a reader and writer.



### **Oulipo**

**Credit – ½**

**Prerequisite: English 10**

**Course Offered: 2024-2025**

A hands-on revelry in the exploration of the ludic side of language. (Ludic: spontaneous and undirected playfulness) The purpose of this course is to:

- Develop writing fluency and increase both word and sentence usage.
- Address deficits in both social-emotional and literacy skills that affect writing fluency.
- Overcome reluctance or inability to engage in the writing process.
- Never again say: “I don’t know what else to write.”



- Students will read and understand the various forms and will be able to demonstrate their knowledge through writing.
- Students will understand the various forms and structures of poetry – including rhyme, meter, verses, stanzas, free form, etc. – and will be able to demonstrate their understanding through writing.
- Students will know the difference between classical and modern poetry as well as how poetry relates to current popular music and artistic expression.
- Students will be proficient in analyzing and interpreting poetry by looking at imagery, figurative language and author’s purpose.
- Students will participate in a “Poetry Event” in which they will read or recite original creations.

### Screenwriting

**Credit - ½**

**Prerequisite: English 10**

**Course Offered: 2024-2025**

This hands-on class is structured for people with little or no experience in screenwriting. The course introduces students to the craft and tools of dramatic film writing. Students write original scripts, including a short screenplay for possible digital filmmaking. This course introduces the concepts of writing for the screen from an analytical and creative viewpoint. Students will learn about screenplay structure and format; explore the creation of character, setting, conflict, theme, tone dialogue; and gain an understanding of how to use the tools of the filmmaker to create filmic language and write visually. Students are also given an introduction to some of the professional aspects of screenwriting and resources for the writer. The final project can take the shape of a rough draft of a feature film, a draft of a shootable short, or an outline and treatment of a feature or TV project. This is a half year course.

### Poetry

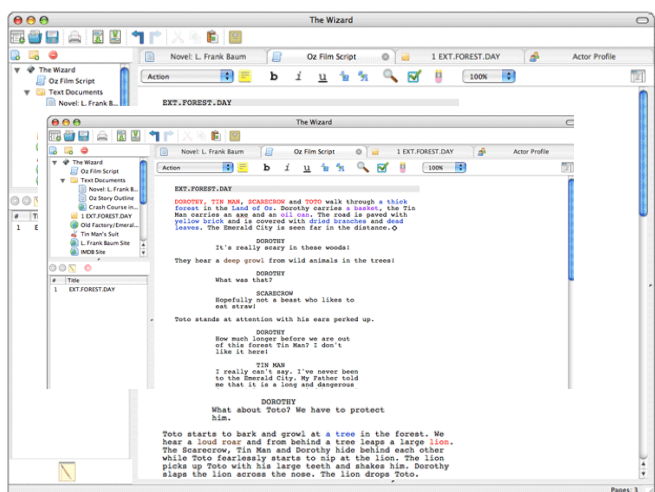
**Credit – ½**

**Prerequisite: English 10**

**Course Offered: 2024-2025**

While lost in thought beneath old oak trees  
 If thou doest think of poetry,  
 Then surely, friend, you’ll be remiss,  
 If poetry’s class you miss.  
 Ashbury, Dickinson, Millay and Hughes  
 Are a handful of whose poetic views  
 We shall examine in the half-year course  
 Before, muse invoked as art, perforce  
 Flows to pen from heart, thence finger,  
 Whereon our paper, our art will linger  
 And warm the hearts of friend and foe  
 For, to the world, poetry you’ll bestow.





Music connects us all. It gives artists a chance to share their story in a creative way and listeners the chance to relate and enjoy their music. One connection that the populace fails to make is that the lyrics of music are rhythmic, calculated, and melodious – music is poetry. In this course we will examine, analyze, and listen to music from the beginning of lyricism in the Middle Ages to music on the radio today, covering everything from rap music to spoken word. This course will allow you to gain a new understanding for the trials and tribulations of lyricists and how to create poetry and music yourself. This course is for anyone interested in music and how it connects back to the foundation of poetry. It will include analytical essays about specific songs and lyrics and final project to create a poem/song of your own.

## Poetry & Storytelling through Music

Credit ½

Prerequisite: English 9

Course Offered: 2024-2025

## Family and Consumer Science

Family and Consumer Sciences courses will help you become competent, confident, and caring in managing your personal, family, and work life. Enjoy “hands on” learning as you think for yourself, work as a team member, solve problems, and develop survival skills to meet the challenges of a changing world.

### Childhood Development

Credit- 1

Sequence-FCS

Prerequisite: Grade Level 10 – 12

Interested in a career working with children or just learning about how children develop and grow? This course focuses on:

- Growth and development of children from post-natal to adolescence
- Child development psychology
- Special challenges for children
- How to care for children

### Independent Living

Credit- ½

Sequences FCS

Prerequisite: Grade 11 – 12

Are you ready to live on your own? Sounds like an easy job? Whether you are going off to college or getting your own place to live, this course will help you to be prepared for the challenges that await you. This course includes:

- Personal finance and budgeting
- Nutrition and eating right
- Cooking and meal preparation
- Doing laundry – without ruining your clothes
- Basic sewing
- Time management

### Parenting

Credit- ½

Sequence FCS

Prerequisite: Grade 10 – 12

Learn about parenting. This course will focus on:

- What is parenting
- Family
- How to care for children
- Community and family advocacy
- Parenting challenges

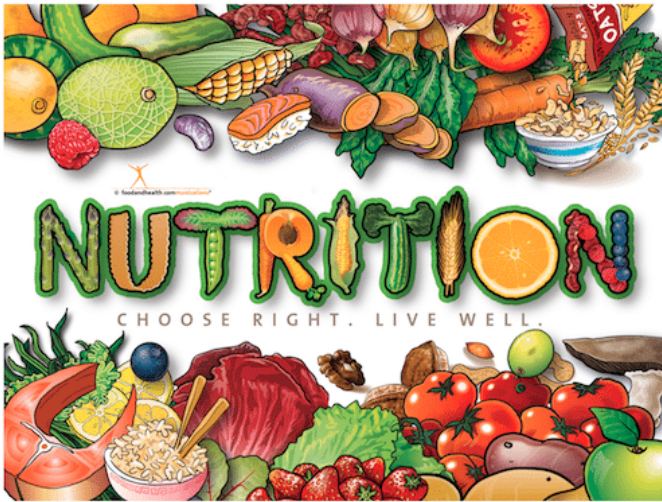
## **Foods & Nutrition I**

**Credit- ½**

Sequence-FCS

**Prerequisite:** Grade Level 9 – 12

This course provides a solid background in food preparation while improving knowledge of nutrition. It is designed for first time cooking experiences incorporating basic preparation techniques.



## **Foods & Nutrition II**

**Credit- ½**

Sequence-FCS

**Prerequisite:** Foods & Nutrition 1, preferred

Students learn to plan, prepare, and serve delicious and nutritious meals. They improve their kitchen techniques, learn new skills, and examine current issues affecting food and health.

## **International Foods**

**Credit- ½**

Sequence-FCS

**Prerequisite:** Foods & Nutrition 1, preferred

The purpose of this course is to study various countries from around the world and allow students to explore how the culture and traditions of these countries relate to their food choices. In addition to learning the

background information, the students must also identify and prepare foods from these countries.



## **Gourmet Foods**

**Credit - ½**

Sequence-FCS

**Prerequisite:** Foods & Nutrition 1, preferred

Gourmet foods will identify, explain, and apply advanced culinary skills while learning to use special equipment and explore food styling. This course will also work on improving preparation and presentation techniques.

## **Fashion Creations 1 \***

**Credit - ½**

Sequence-FCS

**Prerequisite:** Grade Level 9 - 12

**Course Offered: 2024-2025**

Students will learn the basic sewing machine techniques. Students will use their own creative ideas plus class ideas to recycle items into a new use and design. Students will learn more about the clothes we wear.

They will understand how clothes are created, manufactured, and sold. They will improve your ability to choose and care for their wardrobe and learn to operate a sewing machine.

**\* This course is accepted by NYSED for Art credit.**

**\* This course is accepted by NYSED for Art credit.**

## **Fashion Creations II \*** **Credit - ½**

Sequence- FCS

**Prerequisite:** Fashion Creation I, preferred

**Course Offered: 2024-2025**

Fashion Creations is a laboratory production course offering students the opportunity to expand their skills in clothing construction. Projects may include handling special fabrics, lining a garment, making a design adaptation to a commercial pattern, and altering, repairing or adapting clothing.

# **Health Education**

## **Health**

**Credit: ½**

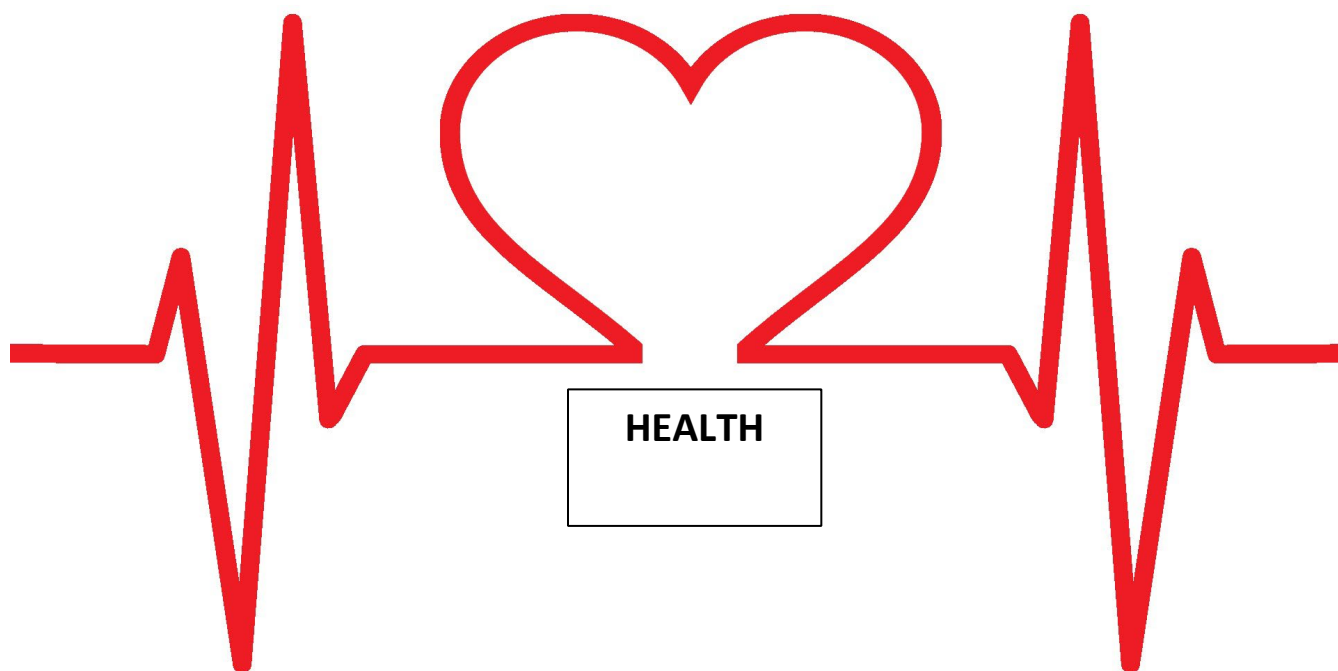
**Prerequisite:** Completion of 9<sup>th</sup> grade

This course satisfies the State Education Department's requirement for high school health education. All students must successfully complete health in order to graduate.

Areas of study include:

- Growth and Development
- Nutrition and Physical Activity
- Drugs, Alcohol, and Tobacco
- Communicable and Chronic Diseases
- Mental and Emotional Health
- A Healthy Foundation

Guest presenters, displays, and an assortment of audiovisual materials are used to supplement the information found in the textbook. Students are encouraged to utilize health-related materials from community sources and the media.



## Language Other Than English



### Spanish 1

**Credit - 1**

In the 8<sup>th</sup> grade, the students will begin their study of Spanish. It is a one-year program. At the end of 8<sup>th</sup> grade, students will take the Spanish proficiency-level exam. Students passing the course and the proficiency exam will receive one high school credit in Spanish. A minimum of 80% is recommended for students to continue to Spanish 2.

### Spanish 1

**Credit – 1**

This is an introductory level course for students in high school to learn Spanish. A final examination will be given at the end of the school year.

### Spanish 2

**Credit - 1**

This course is a continuation of the Spanish 1 program. Speaking, listening, reading, and writing skills will be more advanced. More complex grammatical structures will be introduced. Cultural lessons from Spanish-



speaking countries will also be taught. A final exam will be given at the end of the year.

### **Spanish 3**

**Credit - 1**

**Prerequisite:** Successful completion of Spanish 2

This course is a continuation of the Spanish 2 program. It prepares students for the Regents-level exam by emphasizing reading, listening, speaking, writing, vocabulary, and grammar skills. May not be taken for credit by native or heritage speakers of Spanish.

**Spanish 4-CC: (3 College Credits) Credit - 1**

**Prerequisite:** 85+ final average in Spanish 3, Pass Regents level exam, and teacher recommendation.

This course focuses on the active development of student communication skills (listening, speaking, reading, and writing) and the study of Hispanic culture. More advanced grammar will be taught. Course includes short compositions. Students are expected to participate in all class activities. Spanish is the language of instruction. May not be taken for credit by native or heritage speakers of Spanish.

**Spanish 5-CC: (3 College Credits)**

**Credit - 1**

**Prerequisite:** Successful completion of Spanish 4 CC and teacher recommendation.

**Course Offered: 2024-2025**

This course focuses on perfecting the ability to communicate in Spanish by helping to master several important language functions. These skills will help the student to write in the language, participate in conversations, ask and answer questions and handle everyday topics and social situations. We will review the major grammar points. Most of the grammar, however, will not be new. The purpose of the course is not to learn new rules and forms, but rather to learn to apply the rules in communicative situations. Class time will be devoted primarily to speaking, listening, new vocabulary practice, and discussing readings and other aspects of Hispanic culture. Emphasis is on active student participation. Spanish is the instructional language.

## **Library Media Center**

While “Library” may not be a required course, none-the-less, it provides students with the skills necessary to be successful in high school, college and beyond. The primary role of the library media center is to support the curriculum of Tri-Valley Secondary School (grades 7-12). Students in grades 7 & 8 are required to take Library and Informational skills, taught by our School Librarian. For all students, library information skills are introduced or reinforced through collaboration with classroom teachers and assignments. Throughout the school year, students are taught in groups or individually, how to quickly and accurately locate information in the library. This includes developing an organized research strategy, finding print and video resources using the online public access catalog (OPAC), performing searches for magazine and newspaper articles using print and electronic periodical indexes, accessing databases, utilizing the reference collection, and conducting fruitful Internet searches. Resources not available in our library can be acquired from neighboring libraries through interlibrary loan as well as learning to use open source materials from a variety of library and organizational sources.

The Library has a growing collection of adult and young adult fiction for students to enjoy. Reading is a fundamental skill that transcends all curriculum. All students are encouraged to read for pleasure. Our fiction collection is now categorized by genre, making it even easier to find books.

**The goal of our library program is to ensure that students become life-long readers and users of libraries and proficient in using inquiry skills, information literacy and accessing critical information to support learning!**

Inquiry... Discovery... Open Source... Public Domain... Books...  
Copyright... Research...databases...Ereaders... Knowledge  
Organization... Citing Sources...love of reading...



## Mathematics

### Algebra R

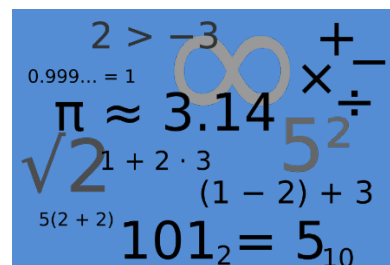
Credit - 1

*This course is required for an Advanced Regents Diploma*

This course will cover the following topics:

- Functions
- Linear Equations/Inequalities
- Systems of Linear Equations/Inequalities
- Exponents and Exponential Functions
- Data Analysis
- Radicals and Rational Exponents
- Polynomials and Factoring
- Solving Quadratic Equations
- Graphing Quadratic Functions
- Special Functions

This class ends with the Algebra Regents exam which is required for graduation.



### Geometry R

Credit – 1

*This course is required for an Advanced Regents Diploma*

**Prerequisite:** Successful completion of Algebra 1 and the Algebra Regents exam.

This course will cover the following major topics:

- Circle Geometry
- Coordinate Geometry
- Transformational Geometry
- Constructions

- Geometric Solids Measures
- Triangle Theorems
- Quadrilateral Theorems
- Euclidean Proof for Triangles/Quadrilaterals
- Right Triangles Trigonometry

This class ends with the Geometry Regents exam.

## Algebra 2 Credit – 1

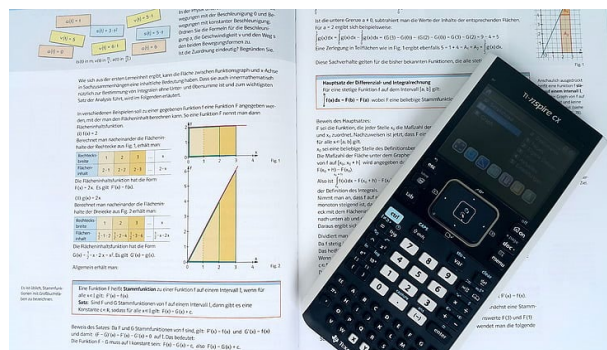
**This course is required for an Advanced Regents Diploma**

**Prerequisite:** Successful completion of Algebra R, Geometry R, and both Regents exams.

**This class may be taken for 4 college credits through SUNY Sullivan (MAT 1205)**

This course will cover the following topics:

- Operations with Polynomials
- Quadratic and Polynomial Functions
- Series and Sequences
- Exponential Functions
- Logarithmic Functions
- Trigonometric Functions and the Unit Circle
- Graphs of Trigonometric Functions
- Probability and Introductory Statistics



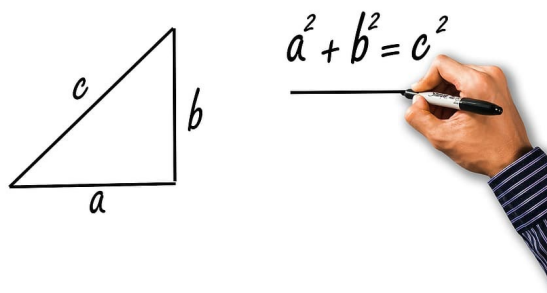
Euclidean Proofs. There is no Regents exam associated with this class. Students would be expected to take Geometry R as the next math class in their sequence to continue towards an advanced Regents diploma.

## Intermediate Algebra

**Credit - 1**

**Prerequisites:** Successful completion of Algebra 1 and Geometry R

This course is designed for students who have passed Algebra R and Geometry but need to strengthen their Algebra skills before taking Algebra 2. This course will cover some of the same topics as Algebra 2 but at a slower pace while reinforcing Algebra R topics and continuing to prepare students to take the SAT as well. Students would be expected to take Algebra 2 as the next math class in their sequence to continue towards an advanced Regents diploma.



## Career Math

**Credit – 1**

**Prerequisite:** Successful completion of Algebra 1 and the Algebra 1 Regents exam

## Additional Math Classes and Electives:

### Applied Geometry Credit - 1

**Prerequisite:** Successful completion of Algebra 1 and the Algebra 1 Regents exam

This course is a bridge between Algebra and Geometry. It reinforces the Algebra skills while applying them to Geometry concepts. All aspects that would normally be covered in the Regents Geometry class are introduced with the exception of

This course is designed for the non-college bound student to meet the requirement for a third credit of math. Juniors or seniors may elect to take this class as an elective credit. The curriculum will include topics that students will encounter as part of their world as adults including:

- Personal Finance
- Taxes
- Credit Cards
- Bank Loans and Interest
- Investments

- Select Geometry topics that are real world based

This course is **NOT** recommended for students planning to take the SAT exam.

## Math Classes for College Credit

### Pre-Calculus CC Credit - 1

**Prerequisite:** Successful completion of Algebra 2 and the Algebra 2 Regents, Teacher Recommendation

*This class may be taken for 4 college credits through SUNY Sullivan (MAT 1206)*

This class is designed to prepare students for higher level mathematics. Concepts and skills necessary for Calculus I are studied. Topic include:

- In depth Function Analysis
- Higher Degree Polynomial Function
- Analytic Trigonometry
- Systems of Equations and Matrices
- Conic Sections
- Mathematical Induction
- Polar Coordinates

Technical writing skills are introduced and extensively developed through a research project.

### Calculus Credit - 1

**Prerequisite:** Pre-Calculus CC, Teacher Recommendation

*This class may be taken for 4 college credits through SUNY Sullivan (MAT 1301)*

General Topics of study include:

- Review of Graphing and Modeling
- Limits and Continuity
- Differentiation and practical applications
- Integration and practical applications

### Statistics Credit - 1

**Prerequisite:** Successful completion of Algebra

**Course will not be offered 2023-2024**

*This class may be taken for 3 college credits through SUNY Sullivan (MAT 1004)*

Students learn about probability, frequency distributions, mean and standard deviation, the binomial distribution, the normal distribution, hypothesis testing, samples from a finite population, regression and correlation, confidence intervals, and chi-squared tests.

## Math Electives

### Intro to Programming & Computer Science Credit - 1

This course is provided in collaboration with Carnegie Mellon University, Computer Science Academy. Computer science and computational problem solving are fundamental skills for engaging the 21st century marketplace of ideas and economies. The course features Python programming (coding). This requires interesting problems to solve in a graphics and non-graphics context to ensure students have a wide exposure to the richness of computational domains in which to solve problems.

**\*\*Approved by NYSED as a Math Credit\*\***

### Ap Computer Science Credit - 1

**Prerequisite:** Successful completion of Algebra 1 and the Algebra 1 Regents exam

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.

**\*\*Approved by NYSED as a Math Credit\*\***



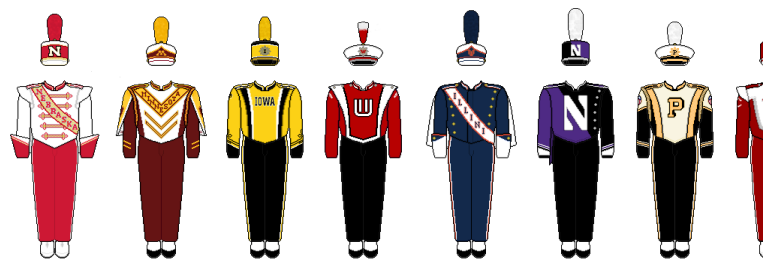
## Music

### Symphonic Band

**Credit – ½**

**Prerequisite:** Participation in 7<sup>th</sup>/8<sup>th</sup> grade band &/or at conductor's discretion.

This is a performance class studying a broad spectrum of music for wind and percussion instruments. Students perform in concerts and must attend a weekly group lesson. Other ensemble opportunities for band members include: Jazz Band, Pep Band, Theatre Orchestra (Musical), Woodwind Ensembles, and Brass Ensembles. Students will have the opportunity to attend NYSSMA Solo Festival, and County and Area-All-State Music Festivals. Participation in all public performances is a requirement of this course.



### Concert Choir

**Credit – ½**

This is a performance class studying a variety of music including popular music, folk songs, and standards from various historical periods. Students perform in three or four major concerts each year and must attend a weekly group lesson. During the year, singers will develop music reading skills,



improve vocal production and singing diction, and explore artistic means of self-expression. Students will have the opportunity to participate in select chorus, a musical theatre production, All-County and Area All State Festivals, and NYSSMA Solo Festival. Participation in all public performances is a requirement of this course. This course is open to all high school students who are interested in further development of their singing voices.



**Music Technology and Production**      **Credit – ½**  
**Prerequisite:** 11th and 12th grade  
 (10th grade with instructor permission)

Students will learn how to use music hardware and software to compose, record, mix, edit and produce performances. Areas of study and exploration will include: choosing and setting-up equipment for a recording session, use of analog and digital mixers, digital effects, editing, recording, MIDI, and post production software.

This course is not only technical in nature (hooking things up and pushing buttons). We will focus on using technology to produce recordings of your individual and collaborative performances. Please read the requirements below and speak to Mr. Weyant if you have any questions to determine if this class is right for you at this time.

**Requirements:** Students should have at least one year of High School Band or Chorus, read music notation, and feel comfortable performing on an instrument or singing (contact Mr. Weyant if you have guitar or piano experience, but are not in Band or Chorus).



**Music Theory**      **Credit – ½**  
**Prerequisite:** 11th and 12th grade  
 (10th grade with instructor permission)  
**Course Offered: 2024-2025**

The fundamentals of Music Theory: Rhythm, intervals, cord formation, simple functional harmony, and basic rhythmic & melodic dictation. The course will also involve the introduction to Composition and Aural skills. Students need not be in musical ensembles to take this class, but having previous or current experience with High School Chorus or High School band will be a plus.

**Music Theory II**      **Credit – ½**  
**Prerequisite:** Music Theory I  
**Course Offered: 2024-2025**

Music Theory II will continue where Music Theory I left off. We will continue to master and memorize the basics of music: intervals (Major, Minor, Diminished, Augmented), Chords (Major, Minor, Diminished, Augmented), 7th Chords (Dominant, Diminished, Augmented), and more.

The diagram is a circular chart titled "Circle of Fifths". It is divided into 12 segments, each representing a major key and its corresponding minor key. The outer ring shows the major keys, and the inner ring shows the minor keys. The segments are arranged in a circle, with each segment containing a key signature and a musical staff showing the key signature. The segments are labeled as follows:

- Major Keys (Outer Ring):** C, G, D, A, E, B, F#, C#
- Minor Keys (Inner Ring):** A, E, B, F#, C#, Gb, Db

The diagram is divided into 12 segments, each representing a major key and its corresponding minor key. The outer ring shows the major keys, and the inner ring shows the minor keys. The segments are arranged in a circle, with each segment containing a key signature and a musical staff showing the key signature. The segments are labeled as follows:

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- Major Keys (Outer Ring):** C, G, D, A, E, B, F#, C#
- Minor Keys (Inner Ring):** A, E, B, F#, C#, Gb, Db

Students will understand and be able to manage their personal and community resources.

## **GET FIT**

Students may elect to take Get Fit to meet Physical Education requirements during High School.

### **Class Objectives**

As a result of this class, you will be able to:

1. Perform specific “core lifts” while utilizing proper form.
2. Demonstrate proper communication and spotting techniques for all core lifts.
3. Develop a personalized and appropriate strength and/or conditioning program.
4. Engage in specific activities for building both muscular strength and cardiovascular endurance.
5. Chart your workouts to monitor progress.
6. Demonstrate proper Weight Room etiquette in regard to care and proper use of equipment.
7. Value and respect the role that exercise and physical activity play in a healthy and happy lifestyle.

### **Learning Outcomes**

At the conclusion of the course students will:

1. Demonstrate an understanding of the proper techniques and cognitive cues in regard to specific lifts.
2. Exhibit improved muscular strength and endurance.
3. Exhibit improved cardiovascular fitness.
4. Have knowledge of a variety of ways to lead a physically active lifestyle regardless of access fitness facilities or specific equipment.
5. Know and understand the implications and benefits of regular physical activity and exercise.
6. Demonstrate the ability to “spot” a partner when utilizing free weights

**\*\*Students in grades 10-12 may earn credit for Physical Education through participation in three sports during the school year. Permission for PE Sport must be obtained in writing from the Physical Education Department, Guidance Counselor, and parent. Students must remain academically eligible to remain in sports and earn credit.**

## **Science**

Students must pass at least one Regents’ Science exam and earn three science credits (at least one life science and one physical science) to fulfill NYS graduation requirements.

### **Living Environment**

**Credit – 1**

Regents Biology will provide students with an awareness of the natural world, basic scientific concepts, stimulation of inductive reasoning, and a basic understanding of biological processes and generalizations. This course can be used in a three course science sequence.

General areas of study include:

1. Unity and Diversity Among Living Things
2. Maintenance in Living Things
3. Human Physiology
4. Reproduction and Development
5. Heredity
6. Evolution
7. Ecology

### **Earth Science**

**Credit – 1**

Earth Science provides students with knowledge of the physical Earth. A lab period will be used to investigate the course topics. A lab performance test at the end of



the course is part of the Regents' Exam grade. State mandated lab requirements must be met before the Regents' exam may be taken.

General areas of study include:

1. Rocks and Minerals
2. Earth Processes
3. Earth History
4. Weather
5. Astronomy

## Chemistry

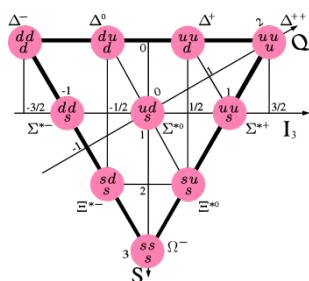
**Credit – 1**

**Prerequisite:** Algebra Regents

Regents chemistry may be used as a course in a three course science sequence and includes lab requirements to be completed prior to taking the Chemistry Regents' exam.

General areas of study include:

1. Matter and Energy
2. Phases of Matter
3. Formulas and Equations
4. Atomic Structure and Bonding
5. Solutions
6. Kinetics and Equilibrium
7. Acids, Bases and Salts
8. Organic and Nuclear Chemistry



## Physics

**Credit – 1**

**Prerequisite:** Geometry Regents

Regents Physics can be one course in a three course Regents sequence in science. State mandated lab requirements must be met before the Regents' exam may be taken.

General areas of study include:

1. Mechanics
2. Energy
3. Electricity and Magnetism
4. Light and Sound Waves
5. Modern Physics
6. Solid State Physics

## Advanced Physics, Chemistry & Electronics

**Credit - 1**

**Prerequisite:** Alg. II Regents, Physics or Chemistry

If you want to become a(n): Engineer, Doctor, Veterinarian, Physical Therapist, Nurse, Scientist, or major in Physics, Chemistry, or Biology, or become a Science or Math Teacher - this course is a must!

Regents Chemistry and Regents Physics are good foundation classes, are not rigorous enough. This honors-level class contains the rigor to prepare you for college level physics and chemistry.

Topics of study for physics: vector analysis, mechanics, oscillatory motion, strength of materials, fluid mechanics, rotational kinematics, electricity and magnetism. A significant portion of physics is calculus-based problem solving, which, if you don't have a calculus background, you will be taught.

Topics of study in chemistry: atomic structure, stoichiometry, gases, solutions, chemical equilibrium, kinetics, thermodynamics, oxidation-reduction and electrochemistry, acids and bases.

In the middle of the school year, one month is also focused on building approximately 25 electronics experiments, along with an introduction to robotics.

## Forensics

**Credit - 1**

**Prerequisite:** 2 Science credits

The course focuses on the application of science to the criminal and civil laws that are enforced by police agencies in the criminal justice system. The course will study evidence of cases and the techniques used to collect and analyze the evidence. Group work will emphasize these techniques to solve fictional cases and to look at famous past non-fictional cases.

### Topics of Study: Forensics

- Trace Evidence- Hairs and Fibers
- History of Forensic Science and Careers
- Trace Evidence- Metals, Paint, and Soil
- The Crime Scene
- Forensic Aspects of Fire Investigation
- Physical Evidence
- Forensic Investigation of Explosions
- Properties of Matter and the Analysis of Glass
- Fingerprints

- Drugs
- Firearms, Tool marks, and Impressions
- Forensic Toxicology
- Document Examination
- The Microscope
- Computer Forensics
- Forensic Serology
- Forensic Science and the Internet
- DNA

### **Astronomy**

**Credit-1**

**Prerequisite:** Successful completion of Earth Science

Astronomy is the study of the motions and properties of objects in space. In this course we will study Earth's place in outer space, the other celestial bodies of our solar system and beyond, and distances in space. We will also study the history of the NASA space program and learn about instruments used in the exploration of outer space.



### **Marine Science I & II**      **Credit - ½ per semester**

**Prerequisite:** 2 Science credits

**Course Offered; 2024-2025**

A study of Marine Biology in the fall semester and Oceanography in the spring semester. Marine Biology will focus on the living organisms in and around the oceans. Oceanography will focus on the non-living portion in and around the ocean environment such as waves, tides, geologic structures and the properties of seawater.

## **Social Studies**

### **Global History & Geography 9**

**Credit – 1**

This is the first of a two year global studies course. Students will study the historic and cultural development of each world region from the beginning of civilization chronologically to the Industrial Revolution.

General areas of study include:

1. Ancient World: Civilizations and Religions (4000 B.C. – A.D. 500)

2. Expanding Zones of Exchange (500-1200)
3. Global Interactions (100-1650)
4. The First Global Age (1450-1750)
5. Read and decipher primary source material and political cartoons
6. Emphasis will be placed on data based questions and thematic writing



## Global History & Geography 10

**Credit – 1**

This course is the second half of the Global History course. Students study information from 1750 to present day world issues. At the end of this course, students will take an all-encompassing regents exam covering 10<sup>th</sup> grade material, as required by NY State.

Areas of study include:

1. Asia
2. Middle East
3. Europe
4. Reading and deciphering primary source material.
5. Emphasis will be placed on writing, a requirement of the state exam, and analysis.

## Global History 9 & 10 Honors

**Credit – 1**

**Prerequisite:** Meet honors requirements.

Global History 9 & 10 Honors is for students who wish to excel in this subject. Honors will cover information taught in the Regents, with an emphasis on analytical reading and writing. The course will examine complex and challenging interpretations of world history. Coursework includes independent reading, student presentations and commentary on relevant world issues.

1. An Age of Revolutions (1750-1914)
2. Crises and Achievements (1900-1945)
3. The Twentieth Century and Beyond (1945-Present)
4. The World Today: Connections and Interactions
5. Read and decipher primary source material and political cartoons
6. Emphasis will be taking place on data based questions and thematic writing

## U.S. History & Government

**Credit – 1**

This course covers the United States history and government with an emphasis on the post-Civil War years. Students will take the comprehensive social studies regents at the end of the year.

General areas of study include:

1. Colonial Foundations
2. American Revolution

3. Building a Nation
4. Sectionalism, Civil War, and Reconstruction
5. Gilded Age and the Progressive Era
6. Rise of American Power
7. Prosperity and Depression
8. WWII
9. Cold War
10. Domestic Change

## U.S. History & Government CC

**Credit – 1**

(6 college credits)

**Prerequisite:** Teacher Recommendation, 90% or higher in previous Social Studies and English grades.

The college level American History course will examine the history of the United States from 1776 - present. The course is demanding as it is reading and writing intensive. Students who successfully complete the course will earn 3 college credits for each semester.

General areas of study include:

1. The Revolutionary Era
2. The Constitutional and U.S. Government
3. The Early Republic and Manifest Destiny
4. Civil War and Reconstruction
5. Industrialization, Reform, and the U.S. as a World Power
6. Roosevelt to Roosevelt (WWI and the 1920's)
7. Crash and Burn (The Great Depression and WWII)
8. Cold War and Civil Rights
9. The 1960's
10. Contemporary America - Watergate to Present

## Economics

**Credit- ½**

**Prerequisite:** U.S. History & Government



This course explores the issue of scarcity and current economic problems on the national and micro-economic level. An emphasis is placed on understanding the practical and applied aspects of economics.

General areas of study include:

1. Theories of Supply and Demand
2. Comparative Economic Systems-3 Economic Questions
3. Factors of Production

4. Investments – Stock Market
5. Business Organizations
6. Government Spending
7. Banking
8. Consumer economics
9. Taxation

### **American Government**

**Credit – ½**

**Prerequisite:** US History & Government

The main objective of this course is to assure media and political literacy. Students should be able to evaluate and comprehend virtually any media presentation involving the political process. This course is reading and writing intensive and the students will be expected to come to class prepared to participate by watching the news and/or reading the paper or internet. As participation is a fundamental part of government, this course requires the students to write two persuasive essays and to present a speech based upon one of these essays. Students are encouraged to attend a board meeting or a town meeting in order to get the feel of government in action.

General areas of study include:

1. Origins of American Government, Political Parties and Behavior
2. The Legislative Branch
3. The Executive Branch
4. The Judicial Branch



John Trumbull  
Declaration of Independence

### **American Government Honors**

**Credit – ½**

**Prerequisite:** US History & Government

The main objective of this course is to assure media and political literacy. Students should be able to evaluate and comprehend virtually any media presentation involving the political process. This course is reading and writing intensive and the students will be expected to come to class prepared to participate by watching the news and/or reading the paper or internet. Individual participation is a fundamental part of government, students will be **required** to attend at least **ONE** board meeting, make an oral presentation, perform community service and write a persuasive essay.

General areas of study include:

1. Political Parties and Behavior
2. Congress
3. The Executive Branch
4. The Supreme Court

### **American History through Film CC**

**Credit – ½**

**(3 college credits)**

**Grade Level 11 - 12**

In this elective course, students will examine major events and movements throughout History. Students will use film, primary and secondary sources to understand and evaluate political, social and cultural movements that have shaped history. In addition to viewing films, students will be expected to complete readings and assigned topics and multiple writing activities. Students will develop skills such as identifying bias, evaluating information presented in multiple formats, presenting information informally and writing and defending their position(s). Students will build on their knowledge of history to focus on a deeper analysis of the material. Topics of study will focus on the late 19<sup>th</sup> century to early 21<sup>st</sup> century American History.

### **Psychology CC**

**Credit – ½**

**(3 college credits)**

**Grade Level 11 - 12**

The main objective of this course is to improve each student's self-concept, awareness of self, and to expose each pupil to basic vocabulary, concepts, and research associated with the discipline.

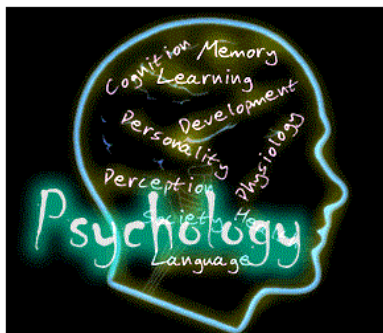
General areas of study include:

1. Criminal Psychology
2. Freudian Theory
3. Abnormal Psychology
4. Intelligence and learning
5. Dream analysis



6. Social Psychology
7. Gender Psychology

As the course is taken for college credit, a research paper is assigned.



- Collaborative projects and presentations
- Guest community speakers
- Class debates
- A culminating service project for which there will be a community showcase presentation

### **US History and the Paranormal CC      Credit – ½** **(3 college credits)** **Grade Level 11 – 12**

Students will study the connection between United States History and a wide range of beliefs—commonly referred to as paranormal – that do not fit within accepted scientific, cultural or social boundaries. Students will analyze how these phenomena can be understood with the context of changes in American society.



### **Civics and Social Justice      Credit – 1** **Grade Level 11 – 12**

In unison with the NYS Education Department, this course seeks to provide students with the knowledge and skills to make a difference in their communities. The NYS Education Department defines Civic readiness as “the ability to make a positive difference in their communities through the combination of civic knowledge, skills and actions, mindsets, and experiences.” This course will include:

## **Production & Technology**

### **Materials & Processes      Credit - 1** **Prerequisites: None**

This is a 1 credit course in basic woodworking. First and foremost the students will learn about wood science as it relates to the woodworking industry. After, they will be introduced to hand tools and machinery, then the safety of each. Safety is a huge part of woodshop success and will be taught extensively throughout the year. Students

will learn many basic woodworking techniques including but not limited to milling, reading and following plans, sanding, finishing and assembly. Grading of projects will be based upon quality not quantity.



## **Building Design & Construction**

**Credit - 1**

This is a course in general construction as it relates to residential homes. Students will be introduced to the history of construction as well as today's construction, which includes careers in the field. Emphasis will be placed on the different phases of building such as foundations, plans and codes, wall and floor framing, stair construction, insulation, and roof construction. Projects for the class include model home construction, stair stringer layout, truss layout and class hands on project that will be announced.

## **Architectural Drawing**

**Credit - 1**

Sequence – Technology

**Prerequisite:** Design & Drawing, Instructor's Approval

This course that focuses on drafting as it relates to building construction. Students will learn to draw a complete set of house plans for a single family residence. General areas of study include residential drawings, home design, room design, basic construction techniques, buying a home and model building. Students will be introduced to CorelCad in order to design with current technology. This is a course in drafting as it relates to building construction. Students will learn to draw a complete set of house plans for a single family residence.

General areas of study include:

1. Residential drawings
2. Home design
3. Room design
4. Basic construction techniques
5. Buying a home
6. Presentation models

## **Practical Engineering**

**Credit – 1**

This full year course will provide students with an overview of the fundamentals of engineering, the engineering design process and problem solving activities. Students will gain an understanding of the major fields within engineering such as Biomechanical, Civil, Chemical, Electrical, Environmental, Manufacturing, and Mechanical. Within this course, students will gain hands-on experience into the types of engineering, innovate and design, and present their solutions. Students will apply learning in Art, Math, Science, and Technology, as well as be able to effectively present solutions to their peers.

## **Design and Drawing for Production**

**Credit - 1**

**Prerequisite:** None

This is a course in visual problem solving and design. Emphasis will be placed on designing solutions to realistic problems and the development of creative design skills.

This course will provide students with technical drawing experiences in the following areas:

1. Orthographic Projection
2. Pictorial Drawing
3. Sectional Views
4. Auxiliary Views
5. Transitions/Developments
6. Revolution Drawings

## **Advanced Woodworking**

**Credit - 1**

**Prerequisites:** Materials & Processes, Teacher Recommendation.

This advanced course in woodworking gives students the opportunity to further refine their machine tool skills, and craftsmanship in the production of cabinets and furniture projects.

Students who exhibit a high level of skill and consistent work ethic in materials and processes will be recommended for this class.

General areas of study will include the following:

1. Shop and Machine Safety
2. Joinery
3. Tool And Machine Maintenance
4. Cabinet Construction
5. Furniture Construction
6. Design
7. Wood Turning



**Technical Theatre and Construction**  
**Prerequisite:** None

**Credit – 1**

This course will cover all aspects of theatre design and technology. Students will learn set design, stage set carpentry, lighting technology, lighting design, sound technology, rigging technology, stage management and theatre engineering. Students taking this class will also

**Power & Energy**

**Credit – 1**

**Course Offered: 2024-2025**

This course is designed to introduce students to different types of energy such as renewable and non-renewable sources. The course will touch upon the supply and demand of the nation's resources, and what society can do to help lower our carbon footprint. Emphasis will be placed upon solar energy as an alternative. Students will be required to build and analyze solar cars, wind turbines, solar collectors and more.

have the opportunity to be involved in building sets and props and managing sound and lighting for school productions and other activities held in the theatre during the year.



**Aerospace**

**Credit - 1**

**Course Offered: 2024-2025**

This course focuses on the various aspects of rocket theory and flight theory including the history of each. They will be challenged with flight simulators, custom built gliders and rockets as well as an electric powered plane that they will fly. Students will identify, understand and implement flight controls and surfaces, learn basic vocabulary, identify and classify various aircraft's and their components, learn and apply Newton's third law, Pascal's law, and Bernoulli's principle, and much more.

## **Vocational Technology**

In cooperation with Sullivan County BOCES, each occupational course represents 3 credits per year toward an individual student's graduation requirements. Students will attend their vocational program at SCBOCES for a half day. Students must be a junior or senior in order to attend. Most programs span two years. Occupational students will be required to provide and/or purchase personal equipment such as: uniforms, cosmetology kits, locks, coveralls, work shoes, safety glasses, electrician's kits, and a spelling dictionary. Upon completion, a student has several options. Vocational students can choose to enter the workforce or enroll in a post-secondary institution continuing their training. Students are encouraged to consider all programs regardless of gender.

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**Animal Science**

**1 or 2 Year Program**

The Animal Science Program would prepare students for career options and/or college admissions in the large and small animal science majors. The program would provide instruction and work experience related to the students' interests. Through hands-on experience the students would be trained in livestock production, animal care, and business aspects of the industry. The Animal Science Program would include but not be limited to the study of horses, dairy, beef, swine, poultry, and small animals.

### **Auto Body 1 or 2 Year Program**

Students become skilled in the use of hand, power and special auto body tools and equipment. Students will receive practical experience in minor and major collision repairs including:

1. Panel Replacement
2. Body Alignments
3. Paint Preparation
4. Frame Repairs
5. Use of the Mig Welder and Oxy-Acetylene Torch

### **Automotive Technology 1 or 2 Year Program**

General areas of study include:

1. Lubrication Systems
2. Brake System
3. Front-End Alignment
4. Fuel and Ignition Systems
5. Engine Tune-Up
6. Minor Transmission Repair Work

### **Broadcasting/Music Production 1 or 2 Year Program**

This program provides students with hands-on training to learn industry basics, including how to operate and maintain audio equipment used in the field.

Audio production

1. terminology
2. techniques
3. use of instruments
4. microphones
5. digital audio workstations

Topics: history of broadcasting, laws & regulations, ethics, news/PSA announcements, weather/traffic announcements, music, sports, different broadcasting styles to name just a few

### **Construction Technology 1 or 2 Year Program**

This program offers basic building practices in the fields of carpentry, plumbing and electric. Green building, industry innovation and safe setup and operation of portable power tools, in addition to shop equipment.

### **Cosmetology I & II 1 or 2 Year Program**

A background in cosmetology theory and practical work is provided for each student. Chemistry, anatomy, and physiology are included as part of this two year program. Students are required to complete 1,000 hours of instruction to be eligible to take the NYS License Exam, which consists of practical and written components. Students completing this course will have a variety of exciting career opportunities.

### **Culinary Arts & Sciences I & II 1 or 2 Year Program**

This program includes instruction in the preparation and serving of food and practical application in numerous cooking skills. Students will learn the importance of quality customer service. Second year students will learn more about cuisines of the world and operate Serendipity, a restaurant on Main Street, Liberty.

General areas of study include:

1. Safe Food Handling and Sanitation
2. Basic Nutrition
3. Menu Planning
4. Preparation and Serving of Quantity Foods
5. Short-Order Cooking
6. Purchasing, Pricing, and Cost Control of Food
7. Dining Room Management

### **Early Childhood Education 1 or 2 Year Program**

General areas of study include:



1. Managerial, curricular and developmental theory
2. Special education
3. Education law and regulations
4. Behavior management

This program provides an in-depth study of early childhood education. Students will work extensively with children, develop programs, and participate in internships

### **Electrical Trades 1 or 2 Year Program**

This program was created for students looking to specialize in the electrical field. Students will explore career opportunities that will prepare them for their future.

Areas of study:

- 1) Introduction to Blueprints
- 2) Green Building Practices
- 3) Orientation to the Electrical Trade
- 4) Electrical Safety
- 5) Introduction to Electrical Circuits
- 6) Introduction to the National Electrical Code
- 7) Basic Electrical Construction Drawing
- 8) Residential Electrical Services

### **Fire Science and EMS 2 Year Study**

This program consists of 2 years of study, Year 1: Fire Science and Year 2: Emergency Medical Services/ EMT.

**Year 1: Fire Science:** Upon successful completion of the Fire Science Program, students are eligible to sit for the NYS Basic Exterior Firefighter Operations exam, followed by the SCBA/ Interior Firefighting Operations exam. Students successful with these exams are then qualified to take the National Firefighter 1 Exam. **Year 2: EMS/EMT:** The program prepares students to provide pre-hospital emergency medical care while working for an ambulance service, either as career or volunteer. The program will give students the skills and knowledge necessary to pass the state required written and skills exams to achieve NYS Certified First Responder and EMT Certification.

### **Health Occupations I 1 or 2 Year Program**

Prepares students with basic health theory & clinical skills in the healthcare professions. Acquaints students

with a variety of health occupation careers. Receive CPR certification and optional first aid certification.

### **Health Occupation II 1 or 2 Year Program**

Students will receive training to obtain NYS Nurse Aide Certification. Hands-on clinical experience pertaining to the duties of a nursing assistant in New York State Study of basic anatomy, nutrition, and other fundamental healthcare theory.

#### **• Allied Health Occupations**

The Allied Health Program is an exploration program for high school seniors that provides students who are exploring health career options, as well as students who are focused on a particular health career area, with the opportunity to gain basic knowledge essential to all healthcare workers in their jobs.

Through project-based learning, students will have the opportunity to concentrate their studies on a specific field or career area if they choose. Clinical rotations/ internships allow students to observe health professionals at work in a variety of settings. In addition, students will learn critical thinking, problem-solving, teamwork, and communication skills important in post-secondary education in the health professions.

Students may choose from Basic Allied Health or Advanced Allied Health.

#### **• New Vision Health**

New Vision Health is an academically rigorous program for college bound high school seniors who plan to major in a health related field at a two-year or four-year college program.

Some of the college degrees pursued by New Vision Health students include Alternative Medicine, Anesthesiology, Biology, Chemistry, Counseling, Dental, Dietary, Exercise Physiology, Health Care Administration, Lab Technician, Nursing, Pathology, Pharmacy, Physician Assistant, Pre-Med, Psychology, Radiology, Sports Medicine, Therapy & Rehabilitation, and Veterinary Science.

This program affords students the opportunity to work with and observe health professionals in action. In

addition to classroom work, students participate in competency based internships that allow them to observe healthcare workers in a variety of settings. Students also learn critical thinking, problem-solving, teamwork, and communication skills important in the health professions. This educational experience provides students with the necessary information to make a career choice.

### **Hospitality and Tourism 1 or 2 Year Program**

This program is for college bound high school students who plan to major in a Hospitality and Tourism related field at a two-year or four-year college. Students will have the opportunity to work with and observe industry professionals in action. In addition to classroom work the students will go on-site to various hospitality establishments.

Topics of study: intro to the hospitality & tourism industry, intro to leadership & management, hospitality management, lodging ownership and management, managing food & beverage operations, recreations & leisure to name just a few.

### **Innovative Design Program**

For students who are looking to enter the digital manufacturing and gaming industries to become architects, designers, builders, gamers, landscapers, makers and engineers. Using modeling software and working with the latest technology, students will learn how to explore ideas, create plans and bring their ideas and drawings from two dimensional documents to 3D models.

Areas of Study include:

1. Sketchup
2. Game Design
3. Project Design
4. Auto Design
5. Building and Landscape Design
6. 3D Printing

### **Natural Resources 1 or 2 Year Program**

This program provides basic knowledge and skills in the areas of equipment operation and maintenance and a variety of allied outdoor careers. Students will work outdoors throughout the school year.

Topics of study include:

1. Heavy equipment operations
2. Forestry and logging
3. Site engineering
4. Equipment service & repair
5. Landscaping and conservation practices

### **Precision Machinery Technology**

This program prepares students with the skills and experience to enter a variety of machining fields. Students will learn to safely set up and operate machine shop equipment. Equipment such as lathes, mills, drill presses, grinders. Also students will learn computer software programs to design and create parts and products.

### **Public Safety Services 1 or 2 Year Program**

This program combines criminal justice theory with practical training and experience. Students are prepared for careers as police officers, correctional officers, security officers, and other public service occupations.

General areas of study include:

1. Law
2. Crime Prevention
3. Police Science
4. Radio Communication
5. Patrol Methods

### **Welding 1 year Program**

This one year program introduces students to the basics of welding principles.

Students will learn, in addition to basic metal fabrication. :

1. Welding safety and theory
2. metal preparation
3. measuring
4. cutting
5. project layout
6. blueprint reading

This hands-on class will give students the opportunity to learn different types of welding including:

1. oxyfuel
2. gas/metal arc welding
3. basic TIG welding
4. shielded metal arc welding
5. plasma cutting