

Glens Falls High School

#TEAM



Together Everyone Achieves More

Course Description Guide 2019-2020



ACCREDITATION

The Glens Falls High School is accredited by the New York State Education Department. All departments within the high school adhere closely to the respective syllabi promoted by the State Education Department.

THE MISSION OF THE GLENS FALLS CITY SCHOOL DISTRICT is to provide a safe, positive and stimulating environment — one that fosters self growth, a passion for continuous learning, confidence and the ability to succeed in a changing world.

We promote excellence through high expectations and evolving standards for students, staff, parents and community.

The challenge is to reach one's personal best while respecting each person's individuality.

We make it our responsibility to be accountable for the implementation of this mission and to model behaviors that are influential to the character as well as the mind.

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A message to students

This guide was prepared to help you understand the requirements for graduation, select courses, and to map out your graduation plan. The graduation worksheet at the end of this guide can be utilized by students and their families to track progress toward graduation. Students are advised to read and discuss this material with their families, school counselor and teachers. Special Education students will have Individual Education Programs planned in conjunction with the Committee on Special Education.

If you have questions regarding your choice of program, please check with your school counselor. Individual appointments to finalize course selections will be scheduled in the spring.

School Counseling Office

In early December, school counselors conduct classroom presentations to assist students in selecting courses for the following year. Course selections are based on graduation requirements, student interest, and successful completion of current courses. Beginning in late February, school counselors meet with students individually for annual reviews. During these meetings, student progress toward graduation, course selections, and future goals are reviewed. A copy of students' selections is mailed home for parent review in June.

During July, school counselors work to resolve schedule conflicts. They will contact students whose courses are in conflict in order to make new selections, as allowed by the school's master schedule. All requests for changes in course selection must be communicated before schedules are mailed home in August. Following the August mailing students WILL NOT be able to request schedule changes prior to two weeks into the semester. Change requests will only be considered at that point forward due to extenuating circumstances and with permission of the building principal.

Please note that student schedules are created by a computer program in order to ensure balanced class sizes throughout the nine period day. Requests for teacher changes or for friends to share lunch periods, study halls, etc. will not be entertained.

Please contact the School Counseling Office if you have any questions.

NINTH GRADE:

School Counselors will conduct a classroom lesson on utilizing Naviance Student. This program enables students to access resources related to career/college readiness and planning, School Counseling Office news and events, college rep visits, scholarship opportunities and more. Students are encouraged to utilize Naviance Student throughout high school.

Freshman annual reviews are scheduled in the spring and parents receive a letter inviting them to attend this review. After a review of progress during the freshman year, sophomore course selections are confirmed and a graduation plan is created. Future educational goals and post high school plans are discussed. A record of extracurricular activities is begun and will become part of the student's record. These and other important topics are promoted to students via mailings home, handouts, announcements at school, and email messages.

TENTH GRADE:

School counselors invite sophomores to take the Preliminary Scholastic Aptitude Test (PSAT) in the fall and PreACT in the spring. These tests assist students in learning about their career/college readiness. More information about PSAT and PreACT will be mailed home in September. School Counselors will conduct a classroom lesson on utilizing Naviance Student in late fall. In February and March, sophomores are invited to visit the BOCES Career and Technical Education center for an overview of all of the available vocational programs. Student annual reviews are scheduled in the spring and parents receive a letter inviting them to attend. Sophomores are also invited to sign up for a college tour field trip in the spring. These and other important topics are promoted to students via mailings home, handouts, announcements at school, and email messages.

ELEVENTH GRADE:

In September, school counselors encourage students to take the Preliminary Scholastic Aptitude/National Merit Scholarship Qualifying Test (PSAT/NMSQT). Additionally, during the spring semester, a program is hosted by the counselors for juniors and their parents regarding the college planning process. Most juniors take their college admissions tests in April, May and/or June. School Counselors will conduct a classroom lesson on utilizing Naviance Student in late fall. Annual reviews are conducted in the spring and parents receive a letter inviting them to attend. Juniors are also invited to sign up for a college tour field trip in the fall and spring. These and other important topics are promoted to students via mailings home, handouts, announcements at school, and email messages.

TWELFTH GRADE:

Senior annual reviews begin in late September and parents receive a letter inviting them to attend. Progress toward graduation and future plans are reviewed and discussed. Near the end of September, college bound students and parents are encouraged to attend a program explaining how the student and counselor will work together through the college application process. College applications are processed beginning as early as October. School counselors host College Application Workshops during school in October and November. Seniors are also invited to sign up for a college tour field trip in the fall. In December, school counselors host an evening college financial aid program. These and other important topics are promoted to students via mailings home, handouts, announcements at school, and email messages.



Early Graduation

A student shall be eligible for early graduation (in fewer than eight semesters) upon completion of all requirements for graduation, excluding physical education, as mandated by Commissioner's Regulations. Please note that students graduating early shall be subject to the graduation requirements of the graduating class' cohort. A student shall not be required to continue enrollment for the sole purpose of completing physical education requirements. A letter requesting early graduation shall be submitted to the high school principal by the parent/legal guardian by the end of the 4th semester of high school. (First semester of high school begins when the student leaves eighth grade and enters high school as a full-time ninth grader. High school credits earned while in middle school do not constitute a semester of high school work). The Board of Education must approve requests to graduate early. Upon Board approval for early graduation, the student will be considered a senior and assigned to a senior homeroom. Such a student who chooses to graduate early will be eligible to participate in both junior and senior activities. Students approved by the Board of Education for early graduation will be eligible for all Glens Falls High School senior awards and scholarships. Please note that students graduating early are not eligible for valedictorian or salutatorian honors.

Exchange Students

A Glens Falls High School student who chooses to study abroad during his/her junior or senior year is considered to be a full-time Glens Falls High School student. Such a student will be considered a member of his/her graduating class and will not be subject to the terms of the Early Graduation Policy.

Dual Enrollment

Upon successful completion of New York State and Glens Falls High School graduation requirements, a Glens Falls High School student who chooses to enroll in a college bridging program, will be eligible to participate in the Glens Falls High School graduation ceremony. Such a student will not be eligible for Glens Falls High School senior awards and scholarships.

Criteria for Acceleration/Testing Out

In order to obtain credit for acceleration/testing out, a student must:

- Submit a request to the High School Principal.
- Have a grade of at least 90 percent in the course in which he/she is now enrolled.
- Receive the recommendation of the teacher in whose class the student is currently enrolled.
- Receive the High School Principal's approval of readiness.
- Receive a grade of at least 85 percent on the Regents or a State approved exam for the course out of which a student is accelerating/testing out.
- Complete a project arranged by the student and teacher of the course through which the student is accelerating with approval of the Principal
- Complete the exam during June exam week and the project by August 15th for a full year course and for a half year course complete exam by the end of the semester and the project six weeks from the exam.
- Quarterly reviews of student will be done by the supervising teacher to ensure satisfactory progress.
- Eligible students will have the option of earning up to 6 1/2 credits (of the 22 1/2 required for graduation) by examination and special project.
- Alternative credit in Physical Education, Art and Music may be earned through out-of-school activity when approved by the high school Principal. The amount of alternate credit in Physical Education will be limited to a maximum period of ten weeks in an academic year. The grade for the period time will be "P."



Academic/Grading Information

GRADING

Glens Falls High School uses a numerical grading system. All college-level courses taught in the high school will carry a weighted grade.

STUDENT GRADING POLICY

Report cards give students and parents a record of the student's achievement and effort for each course taken. For full-year courses, final grades are determined by averaging each marking period grade (17%) with the mid-year (12%) and final examinations (20%). Final grades for half-year (one semester) courses are determined by averaging each quarter mark (40%) with the final examination (20%).

Honor Roll: An Honor Roll is determined after each ten-week marking period. A student must attain an average of 85.00 for Honor Roll and 90.00 for High Honor Roll. Incompletes automatically exclude students from the Honor Roll.

Incomplete Grades: It is sometimes necessary to assign an incomplete to a student. Any work must be completed within two weeks of report card distribution in order to receive credit, or per arrangements made between the student and teacher.

Progress Reports: Progress Reports are mailed to parents regarding the current status of each student's progress during the ten-week period between report cards.

COMPUTATION OF CUMULATIVE AVERAGES

- Grade X Course Credit = Quality Points
- Quality Points Total/ Credit Attempted = Cumulative Average
- Cumulative Average of 90 or higher = High Honor Roll
- Cumulative Average of 85 to 89.99 = Honor Roll

SUBJECT	GRADE	COURSE CREDIT ATTEMPTED	QUALITY POINTS
AP PHYSICS	85	1	90 (WEIGHTED)
KEYBOARDING	88	.5	44
GOVERNMENT	98	.5	49
ENGLISH 12	85	1	85
CHORUS	90	.5	45
CHS PRE-CALCULUS	95	1	100 (WEIGHTED)
PE	N/A	N/A	N/A
TOTALS	-	4.5	413
CUMULATIVE AVERAGE= 413/4.5=91.78			

When computing cumulative averages for students in college level courses, the weighted value is +5 of the standard value.

Be advised students' transcripts will show the unweighted final grade for college-level courses. The weighted grade is used for cumulative average calculation.

Physical Education, Fitness & Conditioning, and courses graded on a P/F or S/U basis are not calculated into cumulative averages.

COMPUTATION OF CLASS RANK

Class rank is calculated using final grades for students in grades 9, 10, 11 and 12. Mid-year ranks are calculated for seniors only. Students transferring into the Glens Falls City School District after completing four full semesters of high school elsewhere will be eligible to share but not displace anyone in the top ten.

GRADUATION REQUIREMENTS

Graduation requirements are determined by the year in which the student enters the ninth grade. Please refer to the graduation requirements section of this guide for details about current requirements.

PROMOTION REQUIREMENTS

Grade placement is determined by the number of credits completed as follows:

To enter grade 10—5 credits

To enter grade 11—10 credits

To enter grade 12—15 credits & the ability to graduate in June.

CHANGES IN ACADEMIC PROGRAM

ALL STUDENTS MUST TAKE SIX COURSES AND PHYSICAL EDUCATION EACH SEMESTER

- During July, school counselors work to resolve schedule conflicts. They will contact students whose courses are in conflict in order to make new selections, as allowed by the school's master schedule. All requests for changes in course selection must be communicated before schedules are mailed home in August.

Following the August mailing students WILL NOT be able to request schedule changes prior to two weeks into the semester. Change requests will only be considered at that point forward due to extenuating circumstances and with permission of the building principal.

- If a student changes a level of a course (i.e. honors to Regents or AP to Regents), the grades earned in the original course will transfer to the new course.
- If a student is approved to drop a course after the final drop date, a "DF" indicating "drop/failure" will be recorded on the transcript with a value of 55. Please refer to the final drop date timelines below:

Full year course = 60th day of classes

Half year course = 30th day of classes



Independent Study

Independent study is an option for a student who can demonstrate entry skills and enough background coursework to function independently and efficiently in an area of study that is an extension of, specialization in, or related to, course work available in the high school.

Independent study cannot be used solely to resolve scheduling conflicts; therefore it cannot be used instead of enrollment in a course that is offered in the high school.

Independent study can be used only to supplement a full schedule, not to take the place of one of the required six courses. No student can attempt to earn more than one full credit of independent study per year, though independent study proposals can be made for 1/2 or 1 credit.

PROCEDURES

1. The student should initiate the independent study option well in advance of beginning the program by first reviewing his interest with his/her school counselor
2. The student should then seek a sponsoring teacher who will provide guidance and serve as a resource for proposal preparation and progress evaluation
3. The student must prepare an independent study proposal

The proposal requires the student to:

- Identify the goals and objectives of the proposed study
- Identify tasks to be completed and a projected time frame for their completion (i.e. papers to be written, research to be read or conducted, interviews, etc.)
- Review specific departmental requirements for independent study and reflect these in the proposal
- Have the proposal approved by the sponsoring teacher, the department chairperson, and the principal
- Identify a point within the first quarter of the study at which the student and teacher determine the probability of successful completion. The student and teacher may agree to modify the proposal at this time. At this point the proposal becomes a contract that the student must complete successfully or be liable for failure. After this meeting it is no longer possible to terminate the contract without penalty.

STUDENT RESPONSIBILITIES

The student should have the ability and commitment to work without a need for continual supervision and instruction from a teacher. The student should need, or anticipate, little more than a period a week of direct teacher contact.

The student must use his/her own time available to do his/her independent study work. Though some of this may come from unscheduled periods, the student should neither

anticipate nor rely on these study periods. For study that demands the use of equipment or supplies that are only available in school areas and require teacher supervision, the proposal would not be approved unless this lab time can be limited to one period a week.

The student must meet with the teacher at least bi-weekly to review progress.

Any expenses for materials, books, or travel on the part of the student are the responsibility of the student.

TEACHER RESPONSIBILITIES

The teacher, if he/she chooses to sponsor the study, would be responsible for guidance in the student's contract preparation, serving as a resource, and evaluating the study contracted. The teacher would prepare progress reports and grading reports. The teacher would meet with the student at least bi-weekly to review progress, suggest, direct, and offer resources. If the student begins to require more than a period a week of the teacher's assistance, that student would be showing an inability to work independently.



Advanced Placement Program (AP)

WHAT IS THE AP PROGRAM?

The Advanced Placement Program (AP) is a division of the College Board and is a collaborative effort among motivated students, dedicated teachers, and committed high schools, colleges, and universities. Since its inception in 1955, the program has allowed millions of students to take college-level courses and exams, and to earn college credit or placement while still in high school.

For more information about the AP Program visit:
www.apstudent.collegeboard.org

ADVANCED PLACEMENT COURSES AT GFHS

AP courses in a wide variety of subject areas are currently available. Developed by a committee of college faculty and AP teachers, each AP course covers the breadth of information, skills and assignments found in the corresponding college course.

AP Calculus AB

AP English Language and Composition (11th grade)

AP English Literature and Composition (12th grade)

AP Biology

AP Chemistry

AP Physics 1: Algebra-Based

AP Physics 2: Algebra-Based

AP European History

AP U.S. History

AP EXAMS

Each AP course has a corresponding exam that participating schools world-wide administer in May. AP Exams contain multiple-choice questions and a free-response section (either essay or problem-solving). AP Exams represent the culmination of AP courses and are thus an integral part of the Program. As a result, Glens Falls High School requires students who enroll in an AP course to take the corresponding AP Exam.

Most colleges and universities in the United States, as well as colleges and universities in 28 other countries, have an AP policy granting incoming students credit, placement, or both on the basis of their AP Exam grades. Many of these institutions grant up to a full year of college credit (sophomore standing) to students who earn a sufficient number of qualifying AP grades.

EXAM FEES & REDUCTIONS

The fee for each exam in 2019 was \$94. The College Board provides a fee reduction for students with financial need. Please contact the high school's AP Coordinator for more information.

Dual Enrollment Courses

WHAT IS DUAL ENROLLMENT?

Dual enrollment courses are college/university courses taught by our faculty in our high school. This gives students the opportunity to register for a college course while in high school. Students who register for credit and successfully complete the course will be awarded both high school and college credit. Glens Falls High School offers dual enrollment courses from Syracuse University, Siena College, University at Albany, and SUNY Adirondack. Tuition costs vary by institution. More information is available at the websites listed below.

SYRACUSE UNIVERSITY PROJECT ADVANCE (SUPA)

www.supa.syr.edu

SUPA Psychology (Foundations of Human Behavior)

SUPA Sociology (Intro to Sociology)

SUPA Economics (Economic Ideas & Issues)

SUPA Public Policy (Intro. to the Analysis of Public Policy)

SUPA Academic Writing (Practices of Academic Writing)

SUPA Creative Nonfiction (Writing Culture: Intro to Creative Nonfiction)

SIENA COLLEGE

<https://www.siena.edu/offices/registrar/>

Introduction to Computer Science

UALBANY: UNIVERSITY IN THE HIGH SCHOOL (UHS)

<http://www.albany.edu/uhs>

UHS French 4

UHS French 5

UHS Spanish 4

UHS Spanish 5

SUNY ADIRONDACK: COLLEGE IN THE HIGH SCHOOL (CHS)

<http://www.sunyacc.edu/earlycollegecareeracademy>

CHS Pre-Calculus

CHS Calculus

CHS Probability and Statistics

CHS Computer Art & Design

**EARLY COLLEGE HIGH SCHOOL (ECHS)**

Early College High School is a program that helps students from the Greater Capital Region cultivate college and career readiness skills. The program develops and supports pathways to higher education leading to careers in STEM-related fields. Interested students must apply and be admitted to each program. There will be no cost to participants.

ECHS PROGRAMS AVAILABLE TO GFHS STUDENTS**Clean Technologies & Sustainable Industries:**

—High school students pursue college coursework in one of the following four pathways; Clean Energy, Computer Information Sciences, Entrepreneurship & Innovation, and Nanotechnology/Mechatronics.

—Incoming freshmen will participate in summer programming and distance learning coursework during 9th & 10th grades.

—Incoming juniors will specialize in one of the four pathways and be dually enrolled in high school and Hudson Valley Community College as non-matriculated students. Half of the day will consist of courses at HVCC's TEC-SMART campus (transportation provided); the other half will include courses at GFHS.

Business Entrepreneurship:

—Students will engage in a combination of college courses, technical education, and job skills related to the field of business and entrepreneurship.

—Students who participate in the Early College High School program will be dually enrolled in high school and SUNY Adirondack as non-matriculated students.

—Half of the day will consist of college and Career & Technical Education courses on SUNY Adirondack's Queensbury or Wilton Center (transportation provided); the other half will include courses at GFHS.

Advanced Manufacturing:

—This Early College High School program concentrates on the high-tech, advanced manufacturing industry.

—Students who participate in this Early College High School program will be dually enrolled in high school and SUNY Adirondack as non-matriculated students (transportation provided).

—Half of the day will consist of college and Career & Technical Education courses on SUNY Adirondack's Queensbury campus; the other half will include courses at GFHS.

Information Technology/ Computer Networking:

—This Early College High School program concentrates on the high-tech, information technology/networking industry. —Students who participate in the Early College High School program will be dually enrolled in high school and SUNY Adirondack as non-matriculated students.

—Half of the day will consist of college and Career & Technical Education courses on SUNY Adirondack's Queensbury or Wilton Center (transportation provided); the other half will include courses at GFHS.

New Media:

—This program is a mix of college level courses, job skills and technical education to help train the graphic and media artists of the future.

—Students who participate in the Early College High School program will be dually enrolled in high school and SUNY Adirondack as non-matriculated students.

—Half of the day will consist of college and Career & Technical Education courses on SUNY Adirondack's Queensbury or Wilton Center (transportation provided); the other half will include courses at GFHS.

COLLEGE TRANSCRIPT REQUESTS

For all dual enrollment college courses, students must request final transcripts from the affiliated college to submit to their post-secondary college of attendance to be considered for credit at that institution.



Glens Falls High School Courses

ALL COURSES WILL BE OFFERED PENDING SUFFICIENT ENROLLMENT AND THE AVAILABILITY OF STAFF

Things to consider as you select courses:

- Consider your course selection carefully. Choose courses to meet graduation requirements and remember that you have numerous opportunities to prepare for college and explore careers during high school. Improve your skills by taking courses in computer literacy, art, music, technology, or business in addition to core academic courses.
- Each student in grades 9-12 is required to carry a minimum of 6 courses plus PE each semester.
- Colleges are concerned with the academic strength of a student's program. Many students erroneously think that cumulative averages and standardized test scores (SAT/ACT) are the only factors colleges consider. In truth, colleges also examine the level of difficulty of the entire high school program. Colleges like to see students who have taken challenging courses and developed a well rounded program.
- A strong senior year schedule can support your chances for college admission or your prospects for future employment. Students are expected to maintain enrollment in a rigorous program each year.
- Student-athletes considering NCAA Division I or II athletic participation at college should note that not all GFHS courses are approved for NCAA eligibility. Participation in NCAA Division I or II athletics programs in college requires high school students to fulfill certain course, cumulative average and SAT or ACT requirements. Interested students should visit the NCAA Eligibility Center website at www.eligibilitycenter.org for more information about the NCAA registration and approval process.



Art

Courses and Credits

Studio in Art: 1 Credit	Creative Crafts: 1 Credit
Drawing & Painting: 1 Credit	Advanced Drawing and Painting: 1 Credit
Pottery: 1 Credit	Advanced Pottery (even years): 1 Credit
CHS Computer Art & Design/Graphic Arts 222: 1 Credit	Sculpture (odd years): 1 Credit
Advanced Art Studio: 1 Credit	Photography 2: 1/2 Credit
Photography 1: 1/2 Credit	Digital Photography in the 21st Century: 1/2 Credit
Digital Photography with a Purpose: 1/2 Credit	

The Art Department offers a variety of courses for both the students interested in a major sequence in art and the individual interested in a specific area or areas of study.

All art courses will address career-specific information. There are two introductory courses to choose from prior to taking other art electives. Both Studio Art and Creative Crafts satisfy the graduation requirement of one credit in art and/or music. Studio art covers both 2 and 3 dimensional design, with an emphasis on 2-D. Creative Crafts also covers both 2 and 3 dimensional design, with a focus on the 3-D.

In addition to these core courses, the Art Department offers advanced courses in several areas so that students may complete a sequence of art electives. It should be noted that students wishing to complete a sequence in the Arts should take one of the core courses in their freshman year. Students may wish to seek advice from any of the art teachers as to the order of courses that would best meet their needs and interests.

STUDIO IN ART

1 Credit – Open to all students in grades 9, 10, 11 & 12.

Studio in Art is a full-year course with major emphasis on studio experiences in design and composition. You will have the opportunity to produce a variety of fine art. You will experience the art of the past and present in order to produce your original works with a variety of materials including Pencil, Charcoal, and Paint, Ink, Collage, Clay, found objects and computer software. This course is recommended by the State Board of Regents for students wishing to satisfy the Advanced Regents level graduation requirements in art. Successful completion of this course permits the student to elect Drawing and Painting, Pottery, Computer Art and Design, and Photography. A locally-written and practical final exam will be given. This course is highly recommended for freshmen.



CREATIVE CRAFTS

1 Credit – Open to all students in grades 9, 10, 11 & 12.

Studio in Art is a full-year course with major emphasis on studio experiences in design and composition. You will have the opportunity to produce a variety of fine art. You will experience the art of the past and present in order to produce your original works with a variety of materials including Pencil, Charcoal, and Paint, Ink, Collage, Clay, found objects and computer software. This course is recommended by the State Board of Regents for students wishing to satisfy the Advanced Regents level graduation requirements in art. Successful completion of this course permits the student to elect Drawing and Painting, Pottery, Computer Art and Design, and Photography. A locally-written and practical final exam will be given. This course is highly recommended for freshmen.

DRAWING AND PAINTING

1 Credit – Open to students in grades 10, 11 & 12 who have successfully completed Studio Art or Creative Crafts.

This course is an advanced course for students interested in developing their skills in drawing and painting. You don't need to be outstanding, just eager to get better at recording what you see and understanding the application of the elements and principles of design. This is a full year course and is an excellent course for Regents students developing their portfolios. Along with in-class assignments, students will complete 4 home projects and 6 in class projects throughout the year. This course will begin serious production of artwork, while exploring new drawing and painting techniques. Students will submit a portfolio in June, consisting of six of their finest works. These pieces may then be included in a senior portfolio. Student artists are required to completely fill a sketch book by the end of May.

ADVANCED DRAWING & PAINTING

1 Credit – Open to students who have successfully completed Studio in Art and Drawing and Painting.

This is an excellent course for students compiling a senior portfolio. It is an advanced course recommended for students that wish to pursue further study in the area of drawing and painting, and may be considering a career in the arts. The course will consist of assigned projects that will help build on basic techniques and help students to learn the process to develop and create original artwork, and begin development of a personal style. Students will focus on creative problem solving, understanding solutions of the past and development and research into new ideas as well as how art can transition into the college level as well as the work force. Students will complete 4 home projects throughout the year. Students will submit a portfolio in June of 8 of their best, completed works of art. These pieces may be included in a senior portfolio. Summer work may be required. Student artists are required to completely fill a sketch book by the end of May.

This course is one that would be part of a sequence culminating with Advanced Art Studio 12 as a senior.

POTTERY

1 Credit – Open to students in grades 10, 11 & 12 who have successfully completed Studio Art and or Creative Crafts.

Pottery is designed for the student who is interested in working with clay. It includes all aspects of creating functional ceramics from forming the clay to firing the kiln. Students will learn the techniques of slab, coil and pinch, as well as using the potter's wheel. An emphasis will be placed on functional pottery such as containers, mugs, vases, bowls, etc., that are safe for use at home. Students will also focus on art elements and creative thinking to incorporate individual styles and interests. This course is excellent for those who enjoy working with their hands to create beautiful and useful objects.

ADVANCED POTTERY

1 Credit – Open to students who have successfully completed the beginning Pottery course. Offered on even years only.

Advanced Pottery is a continuation of Pottery. Students will continue to improve on both hand-building and throwing skills. An emphasis will be placed more on creative problem solving, giving students the choice of technique. Projects will be more individualized and planned around personal interest while maintaining relations of form and function as well as principles of Art. More time will be spent on the study of making and developing glazes, firing techniques and alternatives to glazing. This is also a great class to add variety to college portfolios.



CHS COMPUTER ART & DESIGN/GRAFIC ARTS 222

1 Credit — Open to students in grades 10, 11 & 12 who have passed 1 basic credit in art.

This is a full year course with a major emphasis on design and composition of computer generated images. Learn to use Adobe Photoshop Creative Suite 3 to create original images as well as manipulate preconceived images. You will learn to use Adobe Photoshop Creative Suite 3 to create images that are equivalent to those produced in the advertising design and publishing fields. Understand design concepts, advertising techniques, work with clients and produce quality layouts for professional publications.

Students may elect to take this course for College Credit in HS through SUNY ADK.

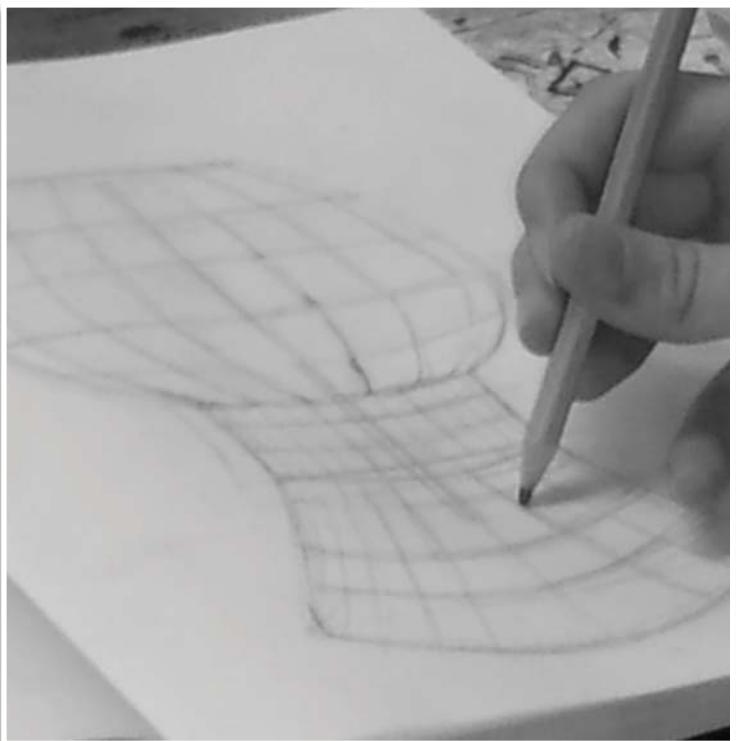
Graphic Arts 222 is a 3 credit college course that will run the spring semester. Students will have until Nov. to decide if they will enroll. Cost is determined by SUNY Adirondack rates. Assistance may be available.

SCULPTURE

1 Credit — Open to students in grades 11 & 12 who have successfully completed Studio Art or Creative Crafts and Pottery, or with dept. approval. Offered on odd years only.

Sculpture offers a larger exploration of the 3-Dimensional arts. Students who enjoy using clay, papers, wire and other materials to construct sculptural forms will benefit from this course. The techniques of constructing, carving, modeling and casting will be used at a higher level. More materials such as stone, plaster and latex will be explored. Creative thinking will be an important element to the development of art concepts and individual style.

This course is an excellent choice for those wishing to expand college portfolios or just enjoy creating 3-dimensional work.



ADVANCED ART STUDIO 12

1 Credit — Open to seniors with 3 years of art with advanced art experience or select others with department approval.

Prerequisites: Students must have completed the beginning and advanced courses in the specific subject they wish to study.

For example:

1. Studio Art, Drawing & Painting and Advanced Drawing & Painting.
2. Studio Art, Photo/Advanced Photo, Digital Photography electives or Computer Art.
3. Creative Crafts, Pottery, and Advanced Pottery or Sculpture.

A special elective designed for seniors doing advanced work in art. This course offers self-directed instruction and individual instruction dealing with both two and three dimensional

problems. This course requires self-discipline and a high degree of self-motivation by the student artist. Students must maintain and complete at least one sketch book during the year.

... Students develop portfolios for college and/or art school.

... A student will have an opportunity to explore, through research, direction and self-motivation, a special art area of interest. Example: Interior/Fashion design, mixed media, print making or other art areas not currently offered at Glens Falls.

.. Some students will want to submit an A.P. Portfolio in May of this course. A student that has completed a 3-year sequence might have sufficient work for the A.P. Portfolio. (See your Advanced Art Studio teacher for details)

**PHOTOGRAPHY 1**

1/2 Credit – Open to 10, 11 & 12 grade students who have successfully completed one credit of art. No student will be allowed to enter this course after the second week of classes without the permission of the instructor.

The introductory photography class has two main components; taking photographs and understanding the meaning in photographs.

Learning how to take photographs involves understanding the functions of 35mm cameras; developing B&W film; making traditional B&W enlargements as well as non-traditional printing. Students will shoot assignments in and around Glens Falls using 35mm cameras supplied by the school.

Understanding the message in photographs is referred to as ‘Visual Literacy.’ Students will view photographs in class and discuss the intent of the photographer. Students will use their comprehension of other photographers’ images to better understand and therefore improve the students’ own photography.

PHOTOGRAPHY 2

1/2 Credit – Successful completion of Photography 1 is required for this course.

Photography 2 continues the students learning in both taking photographs and understanding the purpose & meaning of photography in our culture.

Students will continue shooting assignments designed to help them improve their photographs and their awareness of the visual world around them. Students will become more confident in the use of tools they need to properly capture an image and create outstanding prints. Students will mount and display their photographs and will be able to create a portfolio of photography that illustrates his or her unique style of photography. The introduction of digital photography begins in the second half of the class. Students will continue to view and discuss contemporary photographs as a way to become more fluent in ‘Visual Literacy.’ Each student’s improved understanding of the message and intent in photographs of the world will help in the student discovering his or her own ‘voice’ in the visual arts.

**DIGITAL PHOTOGRAPHY IN THE 21ST CENTURY**

1/2 Credit – Successful completion of Photo and Advanced Photography is a prerequisite for this course.

Today’s film is a microchip, today’s darkroom is a computer program; find out how photography works in the 21st century. Digital imaging technology has changed the face of photography; images that previously existed only in a photographer’s mind can be created in a high school computer lab. Learn how professional photographers use image manipulation software to ‘process’ digital images. Just as traditional film needs attention in the darkroom to create the best print; digital images need anything from minor tweaking to render great prints, to major manipulation to create fantastic images.

DIGITAL PHOTOGRAPHY WITH A PURPOSE

1/2 Credit – Successful completion of Photo and Advanced Photography is a prerequisite for this course.

Anyone can aim a digital camera back at themselves and post the picture on “Facebook,” but can you create a photograph with real meaning and purpose? Learn how photographs are used in our society. Advertising, fashion, sports, news and documentary photographers all use photography to convey a message, learn how each different style uses diverse techniques to create images expressly suited to that field. Historically, Lewis Hine used photography to help convince congress to enact child labor laws. How can you use photography to make Glens Falls an even better place to live? This class will also study examples of how photographs have affected the public’s perception of events and movements. Students will create photographs that: sell a product, document an event, capture a mood and draw attention to a cause.



Business

Courses and Credits

Accounting: 1 Credit

Advanced Computers: 1/2 Credit

Business Communications: 1/2 Credit

Business & Personal Law: 1 Credit

Career & Financial Management: 1/2 Credit

CISCO Comp. Networking -Introduction: 1/2 Credit

CISCO Comp. Networking -Intermediate: 1/2 Credit

IT Essentials: 1 Credit

Introduction to Business: 1/2 Credit

Keyboarding: 1/2 Credit

Life Skills for Career & College: 1 Credit

Money Management: 1/2 Credit

Social Media: 1/2 Credit

Web Page Design: 1/2 Credit

Work Based Learning: 1/2 Credit

ACCOUNTING

1 Credit

This full-year accounting course will give you a thorough background in basic accounting procedures used to operate a business. The accounting procedures presented will also serve as a background for potential employment in addition to preparation for studying business courses in college. The complete accounting cycle is covered so it is easy to see how each employee's job fits into the cycle for business. Topics to be covered include accounting careers, accounting for a proprietorship, accounting for a partnership, and accounting for a corporation.

ADVANCED COMPUTERS

1/2 Credit

This course emphasizes the advanced concepts of using software beyond just the basics. You will develop an advanced understanding of word processors, spreadsheets, databases and other software. You will be very well prepared to use your new software skills in either a job or for college preparation.

BUSINESS COMMUNICATIONS

1/2 Credit

This is a very interactive course designed to help you develop your professional business communication techniques. You will work through simulations to develop various forms of business communication.

BUSINESS & PERSONAL LAW

1 Credit

Knowledge is power...and in Business and Personal Law, you will gain the legal knowledge to be confident and succeed in many of life's challenges. You will understand laws which will affect your life. These include learning about our legal system and your rights as a citizen, a job applicant, as an employee or as a tenant. You will know how to protect yourself as a consumer and understand contracts involved in student loans, buying a car or in renting or owning a home. Learn to protect and maximize your money by understanding legal issues in banking, credit, debt, protecting your credit and even in bankruptcy.

Many students want to start their own business. Learn how to here: you will learn about business law, forms of business, operating a business, business regulations and e-commerce. You will learn about marriage and divorce law, and even insurance and estate law, so you can protect those you love financially! With the knowledge you will obtain here, you will be a more confident, successful person who will make wiser financial and life decisions.

CAREER AND FINANCIAL MANAGEMENT

1/2 Credit

This is an extremely valuable and useful course for you to further understand the career and financial choices you have. You will research various career options and develop budgets and realistic financial & life goals. You will also improve your skills in basic financial management, including investments, banking, check writing, budgeting, and taxes.



CISCO SYSTEMS



CISCO courses can also be a stepping stone for high-level career options, including cyber security: CCNA Security Meets the U.S. CNSS 4011 Training Standard. The U.S. National Security Agency (NSA) and the Committee on National Security Systems (CNSS) recognize that the Cisco Networking Academy CCNA Security curriculum meets the CNSS 4011 training standard. This standard is intended for information systems security professionals responsible for the security or management of critical networks.

CISCO COMPUTER NETWORKING INTRODUCTION

1/2 Credit - Glens Falls students may be able to receive college credit through SUNY Adirondack after successfully completing both semesters.

The Internet is a “network of networks.” Would you like to know how information gets passed through these networks all around the world?

After this course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes.

- Explore the network
- Configure a Network Operating System
- Network Protocols and Communication
- Network Access
- Ethernet
- Network Layer
- IP addressing
- Subnetting IP Networks
- Application layer

CISCO COMPUTER NETWORKING INTERMEDIATE

1/2 Credit - Glens Falls students may be able to receive college credit through SUNY Adirondack after successfully completing both semesters.

Routing and Switching Essentials

This is an intermediate computer networking course. A major focus will be on WAN routing, configuration and security. Students will learn more advanced network design and configure routers across a WAN link.

- Basic Switching Concepts and Configuration
- VLAN's
- Routing Concepts
- Static Routing
- Routing Dynamically
- Single Area OSPF
- Access Control Lists
- DHCP
- Network Address Translation

IT ESSENTIALS

1 Credit— Glens Falls students can receive college credit through SUNY Adirondack after successfully completing this course. If desired, this course provides the foundation for you to prepare to take the Comp TIA's A+ certification.

IT Essentials provides you with all of the skills you will need to succeed in today's digital world. You'll be able to break (then fix!) computers, design and secure small networks, install software, customize new systems, and more! A major emphasis is placed on hands-on experience and troubleshooting. This course is tailored for both beginners and advanced computer users.

General outline of topics covered:

- Information Technology Basics
- History of the Personal Computer and the Digital Age
- How computers work
- Disassembling and Assembling a Computer
- Operating Systems
- Binary, Decimal, Hexadecimal Numbering systems
- Multimedia Capabilities
- Hardware Installation
- Networking
- Printers and Printing
- Preventive Maintenance and Upgrading
- Troubleshooting (both hardware and software)
- Mobile computing
- Wireless technologies

INTRODUCTION TO BUSINESS

1/2 Credit

This is a very interactive and hands-on class. You will learn the basic fundamentals of business management, advertising concepts, the stock market and business planning. You will design your own products/services, develop advertising, make a pitch for investors, and develop partnership agreements.

KEYBOARDING

1/2 Credit

Keyboarding is an excellent opportunity to build typing speed and efficiency, as well as improve general computer literacy. It is an important course for all students, especially now with Chromebooks! By learning correct techniques and computer skills, students will learn how to type properly and efficiently. After learning the proper way to use the keyboard, students will communicate professionally through writing letters, emails, resumes and other business documents.

We'll also go through many shortcuts and how to get the most out of the Chromebooks.



LIFE SKILLS FOR CAREER AND COLLEGE

1 Credit

This course is designed to help you prepare for life after high school. Whether embarking on a career or attending college, the topics covered are tailored to help individual you more easily transition to life after graduation.

1. Computer Applications for college/career:

- Using software that you will need to know in college or career: spreadsheets, word processing, presentations, databases.
- Basic Web Design- designing web pages / photo and video editing.
- File management and storage- all about clouds, organizing and sharing data, and security.

2. Financing for Young Adults:

- Banking- savings/ checking accounts and other options to consider.
- Credit- how to get good credit and then keep it.
- Loans- comparing loans for cars and homes.
- Budgeting- where does your money go?
- Investing- playing the stock market game and planning for the future.

3. Using the Internet for more than just games & social networking:

- Research
- Plagiarism
- Proper use of research web sites.

4. Your life after High School:

- How to be a smart and ethical consumer.
- Apartment searching
- Personal and cyber safety
- Social Media, the good, the bad, the ugly....
- Digital footprint
- 5. Resumes, job searches, etc.:
 - Developing your resume
 - Writing cover letters
 - Selling yourself!
 - Workplace related laws

MONEY MANAGEMENT

1/2 Credit

This is a great course to help you understand the impact of financial decision making. The course focuses on helping you with current financial decisions, as well as preparing you for the important financial decisions you will face in life.

General outline of topics covered:

- Overall awareness of money
- Budgeting
- Check writing
- Banking
- Stocks & Investment options
- Loan evaluation and comparison for cars and homes
- Credit
- Taxes
- Personal finance planning.

SOCIAL MEDIA/ COMPUTING ESSENTIALS

1/2 Credit

How has social media changed the way we live? What does my 'digital footprint' look like? If you have ever thought about these topics, or would like to learn more, then this class is for you. We will discuss the many different types of social media along with how it has impacted our everyday lives. We will also cover computer skills that are essential for any student to have before graduation.

- Discuss and research the history of social media including Facebook, Google+, Twitter, LinkedIn, Groupon, Pinterest, Reddit, etc.
- Analysis of the impact of social media on daily life.
- How do businesses use social media to promote, their products/services?
- Your 'digital footprint'- managing your image in cyberspace.
- Cyber Bullying.
- Digital Citizenship.
- Compare Android, iOS, Windows, Macintosh operating systems.
- Cloud computing.

WEB PAGE DESIGN

1/2 Credit

This class will teach you how to design and maintain web pages. This is an exciting, fun and flexible course where you will have flexibility to be creative and showcase your skills!

General outline of topics:

- HTML
- Point and click editing
- Hosting and Site Recommendations
- Image Types
- Image Editing
- Web-site Layout (storyboarding)
- Formatting with Style Sheets
- Forms
- Basic Video editing for web-sites
- E-Commerce

WORK BASED LEARNING

1/2 Credit - Open to Seniors only

CEIP - Career Exploration Internship Program

You will intern at a local business to develop career skills that are aligned with your career interests.

This program includes one in-school class period (for a semester) in addition to internship time at a local business. You will be able to leave school (based on schedule) to intern. You are responsible for your own transportation.

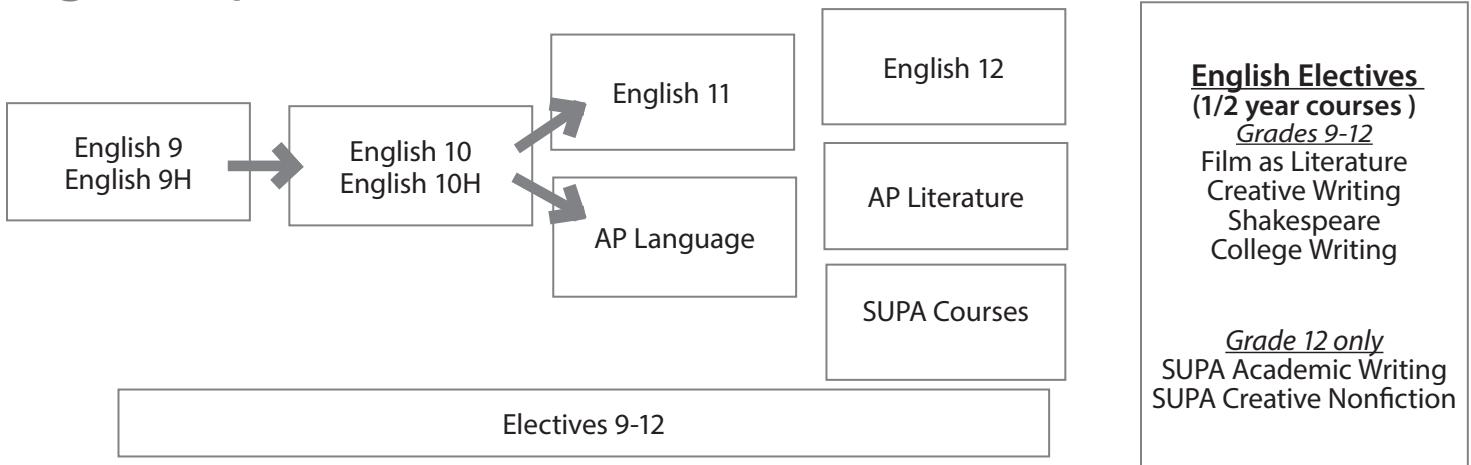


English

Courses and Credits

English 9/ 9H: 1 Credit	College Writing: 1/2 Credit
English 10/ 10H: 1 Credit	Creative Writing: 1/2 Credit
English 11 (Regents): 1 Credit	Film as Literature: 1/2 Credit
English 12: 1 Credit	Shakespeare: 1/2 Credit
AP English Language (11th): 1 Credit	SUPA Academic Writing: 1/2 Credit
AP English Literature (12th): 1 Credit	SUPA Creative Nonfiction: 1/2 Credit AIS ELA

English Sequences



AIS ELA

This is a non-credit course specifically designed for students in grades 9 through 12 who are in jeopardy of not passing the Common Core Regents English exam. Students will receive intensive individualized instruction in reading and writing skills.

ENGLISH 9/ENGLISH 9H

1 Credit

The English Language Arts program for ninth grade includes a focus on literature, language, rhetoric, synthesis, and composition. These are among the skills needed for the Common Core Regents Exam which they will take in eleventh grade. Students will read poetry, short stories, novels, plays, and non-fiction. Students will engage in inquiry research and will write a formal researched synthesis essay.

ENGLISH 10/ ENGLISH 10H

1 Credit

The English Language Arts program at this level will encompass world literature, which will in many ways parallel the global studies program in grade ten. The texts will provide access to diverse cultures across time and space. Students will improve their writing skills through both creative and critical writing assignments. Students will write essays that parallel the English 11 Regents exam. Language study will include exercises in grammar, usage, and vocabulary throughout the year.

ENGLISH 11R

1 Credit

The English Language Arts program in grade 11 will emphasize structure, style, and theme in both literature and writing as the students prepare to take the English Language Arts Regents exam in June. Students will study the history of American Literature from 1632 to the present using Conversations in American Literature anthology as well as supplemental texts. Writing skills will continue to be developed through the writing of literary essays and compositions using the writing process. A research project will be completed.

ENGLISH 12**1 Credit**

The focus at this level is on refining student writing skills using the writing process and developing and organizing writing in clear, coherent and persuasive language with a strong personal voice. Students will study novels and works of various genres and literary periods with a focus on a close reading of these works, considering the work's style, structure and themes. Students will read actively to produce various writing forms, including essays and creative writing. A research paper will be required.

COLLEGE WRITING**1/2 Credit—Open to students in grades 9-12**

This course is designed to prepare the already proficient writer for the rigors of college writing.

Emphasis is on clarity and accuracy of language use, precision in the development of ideas, effectiveness of organization, and logical argumentation. Attention is given to variety in structure, vocabulary, and research skills. Units of study focus on analytical and technical writing, as well as the college essay.

CREATIVE WRITING**1/2 Credit—Open to students in grades 9-12**

This course is intended for students who have mastered the skills of expository writing and who

now wish the opportunity to create original poetry, fiction, and creative nonfiction. Regular journal writing is required. In addition, there is assigned reading of models in poetry and selections from writers of fiction. This would be a great opportunity for students to discover their own personal voice and to express their ideas in new ways.

FILM AS LITERATURE**1/2 Credit—Open to students in grades 9-12**

This elective is designed for students who have a passion for film. The focus of the course is on major film genres, notable moments in film history, techniques of filming, the use of special effects, and the overall impact that film has on our culture. Writing film analyses and journaling is required.

SHAKESPEARE**1/2 Credit—Open to students in grades 9-12**

This exploration of Shakespeare and his works would be structured with a performance-based approach. Studying Shakespeare is an excellent way of more thoroughly preparing for rigorous academic study at the college level. The class will focus on dramatization, creative projects, discussions and presentations.

AP ENGLISH LANGUAGE COMPOSITION (11TH)**1 Credit**

This AP English course focuses on the study of argument. Students examine the interactions among subject, authorial purpose, audience needs, and the resources of the English language including rhetorical appeals, techniques, fallacies, and modes of discourse. Students will gain proficiency in rhetorical analysis of fiction and nonfiction across time and culture and create their own free and researched arguments with sophistication and complexity. They will gain awareness of the rhetorical messages that affect us as citizens and consumers analyzing the connotative meanings of words and the cultural, political, or historical contexts of various texts. This course encourages students to be informed citizens and consumers who understand the manipulation of a variety of media by advertisers, politicians, and institutions to impact them in their daily lives. The course prepares students for the SAT, ACT and the new Common Core English Regents exam, which also requires students to write a rhetorical analysis of a persuasive text and a researched argument. The Advanced Placement exam is required of all students. The exam fee must be paid by March 31st.

AP ENGLISH LITERATURE AND COMPOSITION (12TH)**1 Credit**

AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Writing assignments will focus on the critical analysis of literature. In lieu of a midterm exam, students will write a literary criticism paper. The Advanced Placement exam is required of all students. The exam fee must be paid by March 31st.



SUPA

Project Advance.
SYRACUSE UNIVERSITY

CREDIT with CREDIBILITY.



An opportunity to be in college while in High School! Get ready for college and earn credit for a fraction of college tuition! Program Description: Are you ready for college? Find out while still in high school by taking a college class from Syracuse University. Syracuse University Project Advance is a cooperative program between Syracuse University and Glens Falls that allows high school students to enroll in Syracuse University courses. Teachers who are also adjunct SU instructors teach these classes in the high school, and they follow the curriculum and guidelines established by the University. The Project Advance program enables high school students to gauge their ability to do college work prior to full-time college study. Upon successful completion of a Syracuse University course, students are awarded SU transcripts that record credits earned. These credits are transferable to hundreds of colleges and universities nationwide. Please note that there is a per-credit tuition charge associated with SU courses, although this charge is significantly discounted and financial aid is available to eligible students. For more information about Syracuse University Project Advance, contact the Social Studies Department Chairperson or visit www.supa.syr.edu

SUPA ACADEMIC WRITING

1/2 Credit- Open to students in grade 12 offered during Semester 1 Syracuse University credit: 3 credits

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.

This writing course is a site of active learning where students have responsibility for their own progress and for that of their peers.

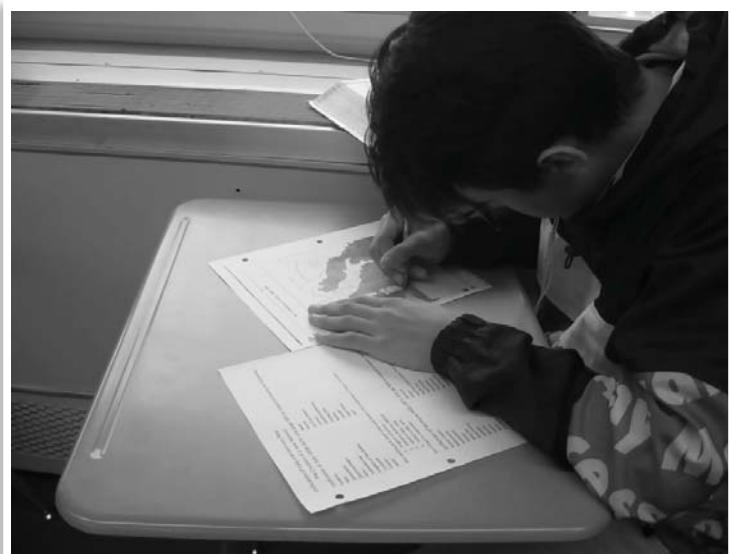
Students write formal papers for each major unit, in addition to various informal writing assignments and a culminating portfolio. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript.

SUPA CREATIVE NONFICTION

1/2 Credit- Open to students in grade 12 offered during Semester 2 Syracuse University credit: 3 credits

WRT 114 focuses on the genre of creative nonfiction. Students explore varieties of creative nonfiction, such as memoir; biography; the personal essay; travel, science, and food writing; and “new journalism.” As its name suggests, creative nonfiction borrows elements from fiction and poetry (e.g., description, scene construction, dialogue, etc.) yet still aims to tell the truth. For a writer to “tell it slant,” however, is to acknowledge the ways in which one’s subjective viewpoint shapes what counts as

“the truth” in telling a story about one’s own or another’s experiences. Students will have the opportunity to experiment with style, genre, and subject in a writing studio environment and to read varied examples of contemporary creative nonfiction (e.g., Michael Pollan’s *The Omnivore’s Dilemma*, Rebecca Skloot’s *The Immortal Life of Henrietta Lacks*, George Saunders’ *The Braindead Megaphone*, etc.). Students will craft and workshop their own creative nonfiction compositions. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript.



Family and Consumer Science

Courses and Credits

Food and You: 1/2 Credit

Teen Living: 1/2 Credit

American Cuisine: 1/2 Credit

Parenting: 1/2 Credit

International Cuisine: 1/2 Credit

Child Development: 1/2 Credit

FOOD AND YOU

1/2 Credit

There are no prerequisites for this course, however, you should be willing to learn about the important role that nutrition has in maintaining your health. Be prepared to learn about carbohydrates, both good and not so good, the good, the bad and the ugly when it comes to fat and how vegetarian protein can be as tasty as animal protein. Discover where Vitamins A, B, C D, E and K are hidden in foods we eat (or maybe we don't eat, but should) every day. Don't worry if you've never cooked before, you will after taking this class! You must be willing and adventurous to try new foods, and experiment with a few food science principles as we work our way through all food groups, preparing some new foods, such as fruit pizza and granola, but also some which are near and dear to all of us like macaroni and cheese with a twist, or spaghetti and meatballs, and even cheeseburgers! Homework will be minimal, but full participation in class is a must! It's fun and fast paced, and most of the time you will be preparing and eating your own food!

AMERICAN CUISINE

1/2 Credit

We will travel throughout the country, preparing foods and beverages that are representative and characteristic of each region of America that we explore: the Northeast, the Mid-Atlantic, the Southeast, the Midwest, the Northwest, the Pacific Coast and the Southwest, ultimately ending our road trip in Hawaii and Puerto Rico! In addition to preparing regional cuisine, we will be learning about the history, heritage, climate and customs of the people who inhabit these areas, being sensitive to the vast cultural differences that make us the great United States!

Have you ever seen the Food Network's show called "Chopped"? If so you are aware of this fast-paced, nerve racking chef competition, that requires a great deal of quick thinking and problem solving. If not, you will be in for a treat. The final project involves you and fellow chefs working as a team to prepare an appetizer, entrée and possibly a dessert, incorporating several "mystery ingredients", all in 40 minutes with judges evaluating your every move and the finished product, of course. But... teams get chopped along the way! This takes place over a three day period with the Chopped Champions revealed on the last day!



INTERNATIONAL CUISINE

1/2 Credit

Climb aboard as we travel the world, learning about new cultures and cuisines! Learn about world geography and how it affects agricultural products, and where much of our food customs have evolved from. We "visit" such places as Japan (where we make sushi and sukiyaki), Germany (Black Forrest Cake is a favorite among students!), Mexico (in which of course we

celebrate cinco de Mayo), Italy (yumm! Cannoli's and lasagna), and France (French Onion Soup) to name just a few of our food labs. You will learn to work quickly, efficiently, safely and collaboratively as a team. You may even find that you want to impress your family with your new found talents by cooking for them. Our final project may even involve a chef competition that mimics "Chopped" from the Food Network!

**CHILD DEVELOPMENT**1/2 Credit

Find out what all children need to become happy and healthy! Infancy, bottle feeding vs. breast-feeding, diapering, and sleep habits are a few topics that will be covered. Learn to prepare baby formula, homemade baby food and food for small children. Child abuse, child neglect, cloning and toy safety, are a few subjects that will be discussed. Infants and children are our guests in class and child care centered careers will be explored. See what the demands of parenting are all about!

PARENTING1/2 Credit

If you have ever wondered why your parents made certain decisions for you that you disagreed with or look back at your childhood and remember all the fun times you had, then learning to cope with raising children or how your upbringing helped to shape who you are, are ideas that you will explore. Did you know that your birth order affects who you become and your parents' actions will help to determine the type of parent you will be? Additionally, you will have an opportunity to care for an anatomically correct infant "doll" that is computerized to interact with its caregiver and is meant to simulate the care of a newborn infant. Your ability to participate will be based on positive parental permission and successful timely completion of all home and school work.

TEEN LIVING1/2 Credit

Recommended for ninth-graders. Deal with problems faced by teens today. You choose the topics: we discuss them. Learn to use good communication techniques, problem solving and decision making in order to reach your goals. Part of the class time is spent on projects and guest speakers. How do you get along with your family and friends? How do you handle a crisis? How do you raise a family when both parents work or when there is a single parent family? These and many more important teen issues will be explored.

Health and Physical Education

Courses and Credits

Health: 1/2 Credit

Physical Education: 1/4 Credit (per semester)

Careers in Health Care: 1/2 Credit

Fitness and Conditioning: 1/4 Credit (per section)

PHYSICAL EDUCATION

1/4 Credit—All students are required to earn two credits in Physical Education to meet the requirements for graduation. Physical Education is required each year a student is in attendance until graduation.

Students must be enrolled in Physical Education class for a full year in grades 9-12. Each class is forty minutes in length and meets every other day. The Physical Education curriculum offers a variety of activities for our students to experience. The curriculum is directly aligned with the New York State Learning Standards for Physical Education. Students will be afforded opportunities to learn motor skills, an understanding about the importance of physical activity. Students will engage in a developmentally appropriate and personally challenging instructional program that will increase their knowledge, confidence, skills, and motivation to engage in a lifelong, healthy, active lifestyle. The curriculum features a mixture of activities in aquatics, fitness, individual team sports, dance, lifetime recreational and cooperative games/challenges. The final grade is based on attendance/preparedness, skill improvement, effort, respect/tolerance/cooperation/behavior, leadership, warm-up participation and unit assessments.



FITNESS AND CONDITIONING

1/4 Credit (per section)- open to grades 9-12.

This is an elective class offered by the Physical Education Department. This course CANNOT be substituted for the New York State Physical Education requirement needed for graduation. Students may choose to enroll in up to one credit per school year.

This course will provide students with a background in the relationships between physical activity, physical fitness and various health-related outcomes. Students will complete assessments of their health related fitness and plan a personalized program to track their levels of physical activity. Through this course, students will gain the knowledge and skill needed to develop lifetime patterns of physical activity.

HEALTH

1/2 Credit

A one semester or full-year course (meeting alternating days) required for all high school graduates in New York State. It will deal with the problems of alcohol, drugs, smoking, disease prevention and control, environmental and community health and other areas of vital concern to high school students. Many students enroll in health their sophomore year.

CAREERS IN HEALTH CARE

1/2 Credit

A one-semester elective course that meets every day. The class will introduce students to the employment possibilities within the healthcare industry. This will be accomplished by inviting professionals from healthcare fields to discuss and give real life information about what their career involves and preparation needed. The students will also discuss topics pertaining to the healthcare field.



Languages Other than English (LOTE)

Courses and Credits

French 1: 1 Credit

French 2: 1 Credit

French 3: 1 Credit

UHS French 4: 1 Credit

UHS French 5: 1 Credit

Spanish 1: 1 Credit

Spanish 2: 1 Credit

Spanish 3: 1 Credit

UHS Spanish 4: 1 Credit

UHS Spanish 5: 1 Credit

Successful completion of 7th and 8th grade language and the 8th grade final exam is necessary to enroll in level 2 as a 9th grader. Progression to the next level language class depends on the successful completion of the current level. Comprehensive Examinations are administered at the end of French III and Spanish III. We encourage all students to continue foreign language study through their senior year as recommended by many employers and colleges.

FRENCH 1

1 Credit—Prerequisite: None

Students will develop communications skills for socializing, providing and obtaining information, expressing feelings or opinions and persuading. Speaking, listening, reading and writing skills are developed through everyday topics such as: getting acquainted, expressing likes/ dislikes, free-time activities, shopping for clothes, restaurant and food, travel and leisure, school and school life, weather, town and city, family and friends, chores and responsibilities, personality and physical characteristics. Computer games provide vocabulary and grammar practice. Cultural aspects are developed by study of various aspects of Francophone countries through songs, videos, current events and readings in the textbook, news articles and supplementary resources. Homework is required.

FRENCH 2

1 Credit—Prerequisite: Successful completion of French 1 (Successful completion of 8th grade French and the district French proficiency exam if entering course as a 9th grader.)

French 2 further develops communication skills, literacy skills and cultural knowledge through contextual units: Family and Friends; Activities and Preferences; Celebrations and planning a party; Shopping for food and preparing meals; School: School places and events; Daily routines; Talking about one's childhood and events in the past; Country life vs. City life; Camping and outdoor activities; Hypothesizing about the future; Health and Well-being; Leisure, Movies and books; Vacation plans. Hands on activities, authentic materials, films and music from the French Speaking world are integrated regularly in lessons. Computer games provide vocabulary and grammar practice. Homework is required.



FRENCH 3

1 Credit—Prerequisite: Passing grade in French 2

This course strongly advised for college bound students.

French 3 further develops interpretive (listening and reading), interpersonal and presentational communications skills (Speaking and Writing) and cultural competency to prepare students for college or career. Material is presented through contextual units: Vacation and free time; Careers and work; Legends, fairy tales and stories; Friendship, emotions and life events; Nature, outdoors and the animal world; The press and news; The planet and

environment; Society, government and politics; The arts; Travel. Authentic French recordings, authentic documents, real life tasks and varied supplementary materials engage students and help improve their vocabulary, grammar, cultural understanding and literacy. Listening passages, guided reading and guided writing throughout the year prepare students for the Comprehensive French Exam required for level 3 high school credit and Advanced Regents distinction. Homework is required. Students can participate in field trips to Quebec, France or New York City.



UHS FRENCH 4 (UNIVERSITY IN HIGH SCHOOL)

1 Credit—Prerequisite: Open to all students who have successfully completed French 3.

This course strongly advised for college bound students. This course emphasizes the 5 basic skills; - reading, writing, listening, speaking and culture as in previous years, but with more intense focus on French immersion and more sophisticated literature. More advanced grammar study is pursued and composition writing continues. All students interested in French 4 study should be prepared to use the target language during the class hour. Various videos and films will also be incorporated into the course.

Active class participation and basic understanding and familiarity of French language as demonstrated through class discussion are emphasized. Depending on the year, students may have the opportunity to go to France, Europe, Quebec, or New York City. French 4 students have the option to earn four college credits through the University in High School Program in conjunction with SUNY Albany. Participation in this program is approximately \$150.00. Additional information is available from the teacher. Required work will include in-depth writing on approved topics.

UHS FRENCH 5 (UNIVERSITY IN HIGH SCHOOL)

1 Credit—Prerequisite: To be eligible for this course, students must have successfully completed French 4.

This course emphasizes the 5 basic skills; reading, writing, speaking, listening and culture as well as literature and media. There will be a special emphasis on immersion. Classes that finish the curriculum will have the opportunity to make a film in French as a final group project. Depending on the year, students may have the opportunity to go to France, Europe, Quebec, or New York City. French 5 students have the option to earn four college credits through the University in High School Program in conjunction with SUNY Albany. Participation in this program is approximately \$150.00. Additional information is available from the teacher. Required work will include in-depth writing on approved topics.

SPANISH 1

1 Credit—Prerequisite: None

Students will develop communications skills for a variety of real life situations such as socializing, providing and obtaining information, expressing feelings or opinions and persuading. Speaking, listening, reading and writing skills are developed through everyday topics such as: getting acquainted, expressing likes/ dislikes, free-time activities, shopping for clothes, restaurant and food, travel and leisure, school and school life, weather, town and city, family and friends, chores and responsibilities, personality and physical characteristics. Computer games provide vocabulary and grammar practice. Cultural aspects are developed by study of various aspects of Hispanic countries through songs, videos, current events and readings in the textbook. Homework is required.

SPANISH 2

1 Credit—Prerequisite: Successful completion of Spanish 1 (Successful completion of 7th grade Spanish, 8th grade Spanish and the district Spanish proficiency exam if entering as a 9th grader.)

Spanish 2 is a continuation of study of the communication skills, literacy skills, and cultural understanding through contextual units. Students will build upon the vocabulary topics from Spanish 1 while adding topics from the Checkpoint B New York State LOTE syllabus. Frequent supplementary materials reinforce listening, speaking, writing, and reading skills. In class and through online activities students will perform a variety of tasks which will provide vocabulary and grammar practice. Cultural aspects are developed by study of various aspects of Hispanic countries through songs, videos, current events, authentic articles, and readings in the textbook. Homework is required

**SPANISH 3**

1 Credit—Prerequisite: Completion of Spanish 2 with a passing grade. This course strongly advised for college bound students. Students will continue to learn vocabulary and grammar according to the New York State LOTE syllabus for Checkpoint B in Spanish 3. In class and through online activities students will practice both vocabulary and grammar. They will then utilize this vocabulary and grammar to further develop their communication skills in Spanish. Authentic Spanish recordings, authentic documents, real life tasks, and varied supplementary materials engage students and help improve their listening, reading, speaking and writing skills. Guided activities in each of these skills throughout the year will prepare students for the Comprehensive Spanish Exam required for level 3 high school credit and Advanced Regents distinction. Homework is required.

**UHS SPANISH 4
(UNIVERSITY IN HIGH SCHOOL)**

1 Credit—Prerequisite: Open to all students who have completed Spanish 3 with a passing grade and have passed the Regents exam and are interested in furthering their knowledge of Hispanic culture and literature. Other students admitted at discretion of faculty.

This course strongly advised for college bound students. Activities include a study of Spanish artists and the preparation of skits and commercials. More advanced grammar study is pursued and composition writing continues. All students interested in Spanish 4 study should be prepared to use the target language during the class hour. Various videos and films will also be incorporated into the course. Active class participation and basic understanding and familiarity of Spanish language as demonstrated through class discussion are emphasized. Homework is required. Spanish 4 students have the option to earn four college credits through the University in High School Program in conjunction with SUNY Albany. Participation in this program is approximately \$150.00. Additional information is available from the teacher.

**UHS SPANISH 5
(UNIVERSITY IN HIGH SCHOOL)**

1 Credit- Prerequisite: Spanish 4 and passing grade on Spanish 4 exam.

This course strongly advised for college bound students. Work at this level will be more individualized and independent than at earlier levels. Readings of authentic materials from periodicals and books on different subjects of interest to the students are integrated with additional conversation work. Oral reports and discussions will be an integral part of the course. Reading selections may include Don Juan Tenorio, La Casa de Bernarda Alba, Lazarillo. Spanish 5 students have the option to earn four college credits through the University in High School Program in conjunction with SUNY Albany. Participation in this program is approximately \$150.00. Additional information is available from the teacher. Required work will include in-depth writing on approved topics.



Mathematics

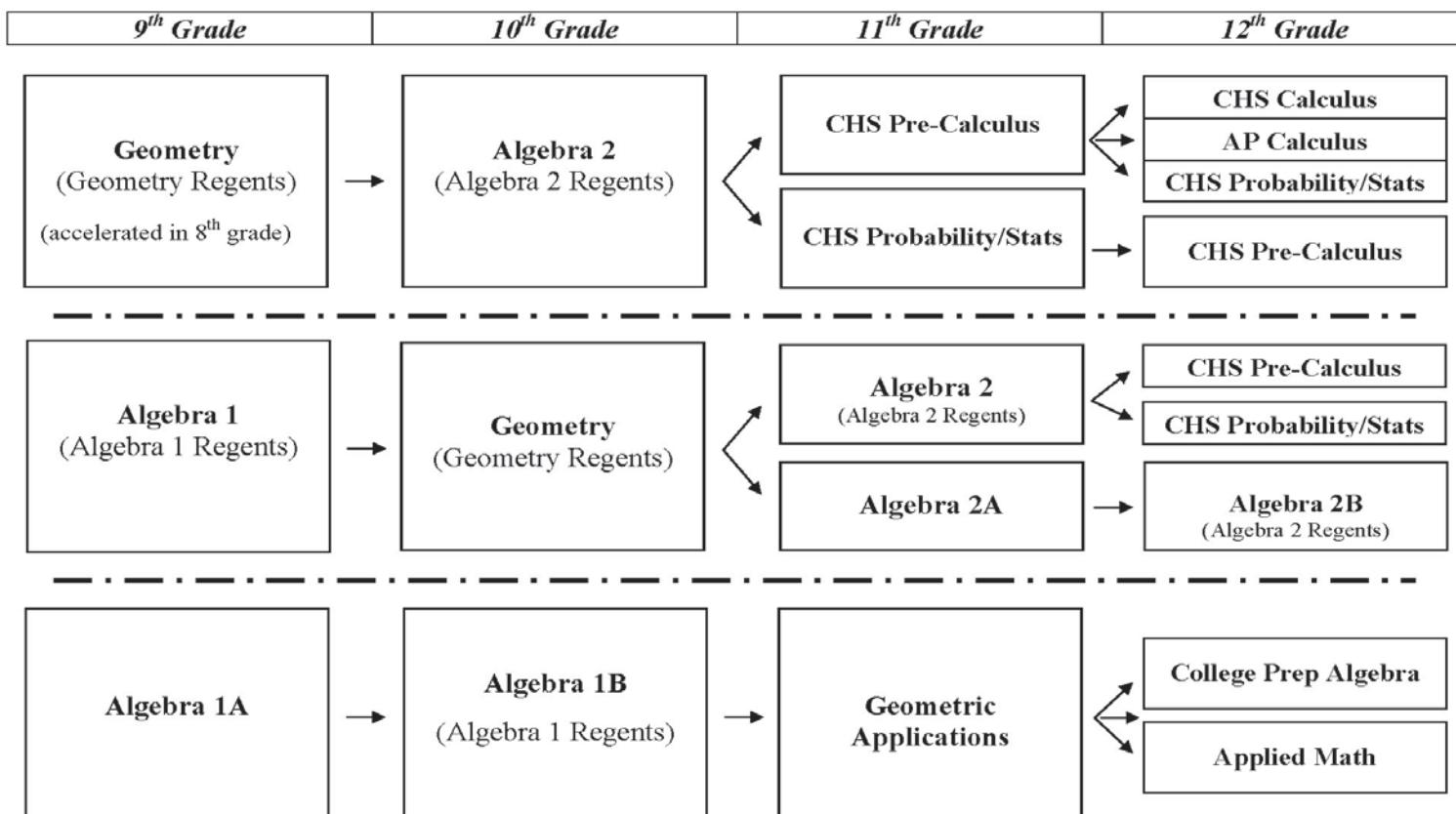
Courses and Credits

Algebra 1: 1 Credit	Geometry: 1 Credit	Algebra 2: 1 Credit
Algebra 1A: 1 Credit	Geometric Applications: 1 Credit	Algebra 2A: 1 Credit
Algebra 1B: 1 Credit		Algebra 2B: 1 Credit
CHS Pre-Calculus: 1 Credit	CHS Calculus: 1 Credit	AP Calculus AB: 1 Credit
CHS Probability & Statistics: 1 Credit		College Prep Algebra: 1 Credit
Siena Introduction to Computer Science: 1 Credit		Applied Math: 1 Credit

We offer a variety of math courses designed to meet and exceed educational guidelines set by the New York State Education Department. Courses are designed to meet graduation requirements and to prepare students for their individual endeavors after graduation (entering college, entering the military or entering the workforce). We continually review course material and course offerings to meet the challenges and needs of all our students and to ensure New York State's Common Core curriculum is fully integrated into all math courses offered in the high school. In addition to Regents courses in Algebra 1, Geometry, and Algebra 2, we offer non-Regents courses in Geometric Applications, College Prep Algebra, and Applied Mathematics; as well as college credit-bearing courses in Probability and Statistics, Pre-Calculus, Calculus, and an Introduction to Computer Science course. Students who meet course requirements and successfully complete the Probability and Statistics course, the pre-Calculus course, the Calculus course and/or the Computer Science have the opportunity to earn college credit through an agreement with SUNY ADK and Siena College.

The New York State Department of Education requires students to earn at least 3 credit of math to satisfy state requirements for graduation and to pass at least one Regents assessment in Algebra 1, Geometry, or Algebra 2 as part of the Regents Diploma requirement. A student must pass all three math Regents assessments for an Advanced Regents Diploma designation.

Math Department Course Flowchart
(for students entering 9th grade in September 2019)



Note: The Math Department also offers a Siena Introduction to Computer Science course – see Course Description Guide for more information.

**MATH AIS**

Academic Intervention Services is a non-credit course designed for students who have not passed or are in jeopardy of not passing the New York State Algebra 1 Regents assessment. Students can be assigned on recommendation from school counselors, teachers, parents, or at the request of the student. Classes are typically smaller in size than a regular math class which allows for more individualized instruction and additional practice on current and previously taught topics. While students in other courses besides those preparing for the Algebra 1 assessment are also eligible for this course – priority is given to students preparing for the Algebra 1 Regents examination. Additional help for students is also given in our Math Lab and after school

ALGEBRA 1**1 Credit**

The Algebra 1 Curriculum provides the necessary tools for solving problems in a wide variety of disciplines resulting in linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Students will integrate coordinate geometry into the investigation of these functions to make connections between analytic and geometric representations. Data analysis will include measures of central tendency, visual

representations of data, the use of correlation and causation, and the development of reasonable lines of best fit to make predictions.

Students will sit for the Common Core Algebra 1 Regents assessment in June.

ALGEBRA 1A**1 Credit**

This course is the first year of a 2-year program preparing students for the Algebra 1 Regents assessment. Topics covered in Algebra 1A include number theory and properties, simplifying polynomial expressions, solving equations, factoring and applying this knowledge to real world situations. Relationships between lines and their equations will be investigated and their use in the real-world.

Students will sit for a locally prepared final examination in June.

ALGEBRA 1B**1 Credit**

This course is the second year of a 2-year program preparing students for the Algebra 1 Regents assessment. Topics covered in Algebra 1B include solving quadratic equations, algebraic fractions, coordinate geometry, and solving systems of equations. Students will also be introduced to Euclidean geometry including polygons and circles as well as 2- and 3-dimensional measurements.

Note: the overall course outline of Algebra 1 and Algebra 1A/1B are very

similar. Students in both courses will be taught the entire state curriculum; however, students in Algebra 1A/1B will have extra time to develop an understanding of the topics as compared to the Algebra 1 student.

Students will sit for the Common Core Algebra 1 Regents assessment in June.

GEOMETRIC APPLICATIONS**1 Credit**

This is a non-Regents course designed as the follow-on for students who have taken the Algebra 1A and 1B courses and prepares students for a local assessment in June. Properties of polygons (focusing on triangles and quadrilaterals) and circles will receive particular attention. Students will identify relationships of geometric figures; formulate conjecture and hypothesis about geometric situations; practice and identify how geometric transformations are used in the workplace; and, gain an understanding of geometric measurements to include linear, area and volume and their respective uses outside of the school environment.

Note: the Geometry and Geometric Applications course outlines are similar but students in Geometric Applications may not delve as deep into topics or cover all topics as Geometry students. This course does not prepare students to sit for a Regents examination so is not recommended for the student who is working towards an Advanced Regents Diploma.

Students will sit for a locally prepared final examination in June.

GEOMETRY**1 Credit**

The Geometry Curriculum provides opportunities to make conjectures about geometric situations as well as to develop formal and informal proofs to support those conjectures. Triangle congruence and similarity will be taught using appropriate theorems. Students will solve problem situations requiring right triangle trigonometry as well as trigonometry of non-right triangles. Transformational relationships will be covered using translations, rotations, reflections, and dilations as well as compositions of these transformations. Properties of polygons and circles will receive particular attention to allow students to investigate geometric situations. This course is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences.

Students will sit for the Common Core Geometry Regents assessment in June.

**ALGEBRA 2****1 Credit**

The Algebra 2 Curriculum extends the number system to include imaginary and complex numbers, and functions. Students will become familiar with polynomials involving absolute, trigonometric, exponential and logarithmic, and radicals when problem solving direct and indirect variation. Data analysis will include measures of dispersion and the analysis of regression. Binomial experiments will provide the basis for the study of probability theory and the normal distribution. Triangle trigonometry introduced in Geometry will be greatly expanded beyond right triangle trigonometry to include the investigation of circular functions. Problem situations requiring the use of trigonometric identities will also be investigated.

Students will sit for the Common Core Algebra 2 Regents assessment in June.

ALGEBRA 2A**1 Credit**

This course is the first year of a 2-year program preparing students for the Algebra 2 Regents assessment. The Algebra 2A course will extend the number system to include imaginary and complex numbers; expand a student's knowledge of functional equations and applications involving absolute, exponential, radical, and logarithmic notations. Data analysis will include measures of dispersion and the analysis of regression. Students will work extensively with algebraic fractions, factoring of algebraic expressions, and solving quadratic equations through factoring.

Note: this course is developed for those students who intend to take Algebra 2B the following year to work towards their Advanced Regents Diploma. Students will sit for a locally prepared final examination in June.

ALGEBRA 2B**1 Credit**

This course is the second year of a 2-year program preparing students for the Algebra 2 Regents assessment. Students will review topics covered in Algebra 2A and expand their use in the study of probability theory, normal distribution and exponential functions. Trigonometry introduced in Geometry will be greatly expanded beyond right triangle relationships to include identity properties associated with all triangles. Students will also investigate and expand their exposure to circular functions.

Note: this course is the natural follow-on for students completing the Algebra 2A course and wanting to continue their studies in preparation for college and the Advanced Regents Diploma.

Students will sit for the Common Core Algebra 2 Assessment in June.

CHS PROBABILITY & STATISTICS

1 Credit This course is open to students who have successfully completed the Algebra 2 course.

Topics include permutations, combinations, sample spaces, standard deviations and normal distributions. Emphasis is placed on critical thinking skills involving real world data and inferential statistics.

Note: this is an accredited SUNY ADK course and students meeting requirements are eligible for four college credits. Cost for college-credit will be based on SUNY ADK rates for the 2019-2020 school year.

Students will sit for a locally prepared final examination.

**CHS PRE-CALCULUS**

1 Credit This course is open to students who have successfully completed the Algebra 2 course.

This course covers topics that will prepare students for an AP Calculus, Honors Calculus or future mathematics courses in college. Some of the topics covered include functions, conic sections, matrices, graphing, limits, and elementary derivatives. The emphasis will be on preparation for developing a sound foundation of topics that will be needed to go further in mathematics, in particular an introduction to Calculus.

Note: this is an accredited SUNY ADK course and students meeting requirements are eligible for college credit. This course actually equates to two SUNY ADK semester courses so students meeting requirements can earn six college credits for the entire year course. Cost for college-credit will be based on SUNY ADK rates for the 2019-2020 school year.

Students will sit for a locally prepared final examination.

CHS CALCULUS

1 Credit

This course is designed for students who have completed Pre-Calculus and includes such topics as differential calculus and integral calculus of algebraic functions. Concepts will be applied to real-world situations with solutions being explored both analytically and graphically.

Note: this is an accredited SUNY ADK course and students meeting requirements are eligible for four college credits. Cost for college-credit will be based on SUNY ADK rates for the 2019-2020 school year.

Students will sit for a locally prepared final examination (not the AP Calculus examination).

AP CALCULUS AB

1 Credit This course is open to selected students who have completed Pre-Calculus.

Topics include differential calculus of algebraic functions and their applications, integral calculus of algebraic functions, geometric and physical applications of integration and of the calculus of elementary transcendental functions. Students must take the Advanced Placement Test in mathematics offered by the College Board. The results determine advanced placement and/or academic credit granted in accordance with individual college institution guidelines.

Note: students not sitting for the AP examination for

any reason will have their weighted grade removed from their standing and transcript – updated letters will be sent to appropriate colleges.

Students will sit for the AP Calculus examination.

APPLIED MATH

1 Credit

This course is mainly for senior students needing a third credit of mathematics for graduation. It is based on an integrated presentation of topics dealing with algebra, geometry, trigonometry, probability, statistics, problem solving, and finances. It is oriented towards the application and practical use of math concepts and skills in “hands-on” labs and practical “world-of- work” problems. Students cover linear equations, graphing, statistics and probability, an introduction to trigonometry, factoring, functions, quadratics, systems of equations and inequalities, and an application of geometry in the real world. Topics in financial matters include income and expenditures, interest dealing with loans and savings, project budgets, and future planning.

Note: this course is not available for students who have successfully completed the Algebra 2, Algebra 2A, or Algebra 2B course.

Students will sit for a locally prepared final examination.



**COLLEGE PREP
ALGEBRA**1 Credit

This full-year course is designed for senior students who want or need a refresher in algebra concepts to prepare them for a college-level math course. This course will review and expand on topics presented in the Algebra 1 curriculum and provide the necessary algebra skills to prepare students for at least a 100-level college math course.

Note: students not doing well on a college math placement test may not be eligible to take credit-bearing courses at college but instead be enrolled in non-credit refresher courses. Taking this high school course will lessen the chance of a student being required to take a year of math at college for no credit but at a cost to the student. This course is not available for students who have passed Algebra 2. Students will sit for a locally prepared final examination.

**SIENA INTRODUCTION
TO COMPUTER SCIENCE**1 Credit

This course is a broad introduction to a variety of fundamental topics in computer science through contemporary themes such as robotics, the web, graphics, or gaming. Students will consider problems in the application area that can be solved with software. Using the theme of the course, students will be introduced to important areas of computer science including abstraction, computer organization, representation of information, history of computing, ethics, and the development and evaluation of algorithmic solutions using an appropriate programming environment.

Prerequisites: Students

should have completed or

be enrolled in Algebra 2

or have received special

permission by instructor.

Note: this is an elective Siena College course and students meeting requirements are eligible for three college credits.

Cost for college-credit will be based on Siena rates for the 2019-2020 school year.

Students will sit for a Siena prepared final examination.

Music

Courses and Credits

Music in Our Lives: 1 Credit

Jazz Ensemble: 1/2 Credit

Chorus: 1/2 Credit

Orchestra: 1/2 Credit

Octet: 1/2 Credit

Strolling Strings: 1/2 Credit

Symphonic Band: 1/2 Credit

MUSIC IN OUR LIVES

1 Credit

Music in Our Lives is a class for students who are not members of a performing group. The goal of this class is to provide students with lifelong skills in order to better appreciate and enjoy music as consumers. This course fulfills the one credit of art or music credit required for graduation.

CHORUS

1/2 Credit

Meets every other day. Knowledge of proper vocal production, as well as the ability to do vocal sight-reading will be taught in the performing ensemble. Students will study and perform music of many styles, cultures and time periods. The chorus members are required to perform in two evening concerts per year and one in-school assembly. Concert dress will be black shoes, black pants or skirt, and white shirt or blouse. Red ties and cummerbunds will be supplied to the men.

OCTET

1/2 Credit

A mixed chorus of 16-18 (plus alternates) to be selected by auditions. Candidates will demonstrate a good grasp of proper vocal production, as well as excellent sight-reading skills and the ability to move onstage. Students who audition should have participated in NYSSMA vocal solo festivals and All-County vocal festivals.

This group will do two regular concerts each year and guest engagements throughout the community. All members must also be members of the High School Chorus.



**SYMPHONIC BAND**1/2 Credit

This large instrumental wind ensemble provides a performance-oriented environment for students currently playing a wind or percussion instrument. Students will experience a variety of musical challenges within this setting in order to learn about the proper interpretation and performance of all types of traditional concert band literature. Students may also participate in orchestra depending on need. The symphonic band performs in two concerts per year, in addition to the Memorial Day Parade. Students enrolling in Symphonic Band will receive one period of small group instruction per week, in addition to the large rehearsals, arranged on a rotating schedule which falls on a different period each week.

JAZZ ENSEMBLE1/2 Credit

This smaller ensemble provides a performance-oriented environment in the area of traditional and contemporary jazz literature. Many types of jazz literature are introduced and rehearsed, as well as improvisational techniques for the jazz musician. Enrollment is by audition only, with the instrumentation limited to a traditional jazz ensemble composition. This group performs two traditional concerts per year, as well as an occasional special event. Jazz Ensemble members are required to be members of the Symphonic Band. (Exceptions may be made to fill sections).

ORCHESTRA1/2 Credit

String players meet every other day as a large ensemble. Students will practice orchestral literature from all of the major time periods of musical history and be challenged to perform them appropriately. The orchestra performs in two formal concerts each year as well as at Graduation. Attendance at all of these performances is mandatory. In addition to the large rehearsals, students enrolling in orchestra will receive one period of small group instruction per week. These lesson groups will be arranged on a rotating schedule which falls on a different period each week.

STROLLING STRINGS1/2 Credit

This small chamber performance group affords string students the opportunity to perform different, more challenging music literature than that currently offered by the High School Orchestra. Students who audition for this ensemble are required to be members of the High School Orchestra and should currently be able to play at NYSSMA Solo Levels 3-6. It should be understood that in addition to performing two traditional concerts per year, the majority of this ensemble's performances will take place outside of the normal school day.



Science

Courses and Credits

Biology/Living Environment: 1 Credit	Physics: 1 Credit
Field Biology: 1/2 Credit	Applied Physics: 1 Credit
Earth Science/Physical Setting: 1 Credit	Environmental Science: 1 Credit
STEM: 1 Credit	Forensic Science: 1 Credit
Chemistry: 1 Credit	Science Research: 1 Credit
AP Biology: 1 Credit	AP Physics 1: Algebra-Based: 1 Credit
AP Chemistry: 1 Credit	AP Physics 2: Algebra-Based: 1 Credit

SCIENCE AIS

This is a non-credit course specifically designed for, and restricted to, those students in 10th, 11th, or 12th grade who have not passed the required state assessment in science. Students will receive intensive, individualized instruction in science skills, and will be required to remain in the course until they pass the state science assessment. The class will meet every other day.

BIOLOGY/LIVING ENVIRONMENT R

1 Credit

This is a ninth grade course that provides students with an awareness of the living environment, and provides an understanding of the biological processes performed by cells, by the individual organisms, and by communities of organisms. Lab is required.

FIELD BIOLOGY

1/2 Credit—No prerequisite required

This is a nontraditional science course that is conducted in the out-of-doors in the summer. This course will be very useful for students interested in environmental awareness or in pursuing a career in science, especially wildlife management, fisheries management, marine biology and conservation biology. Each day we will travel to a local ecosystem to discover its flora and fauna. Students will also be taught orienteering and survival, a skill essential to many of

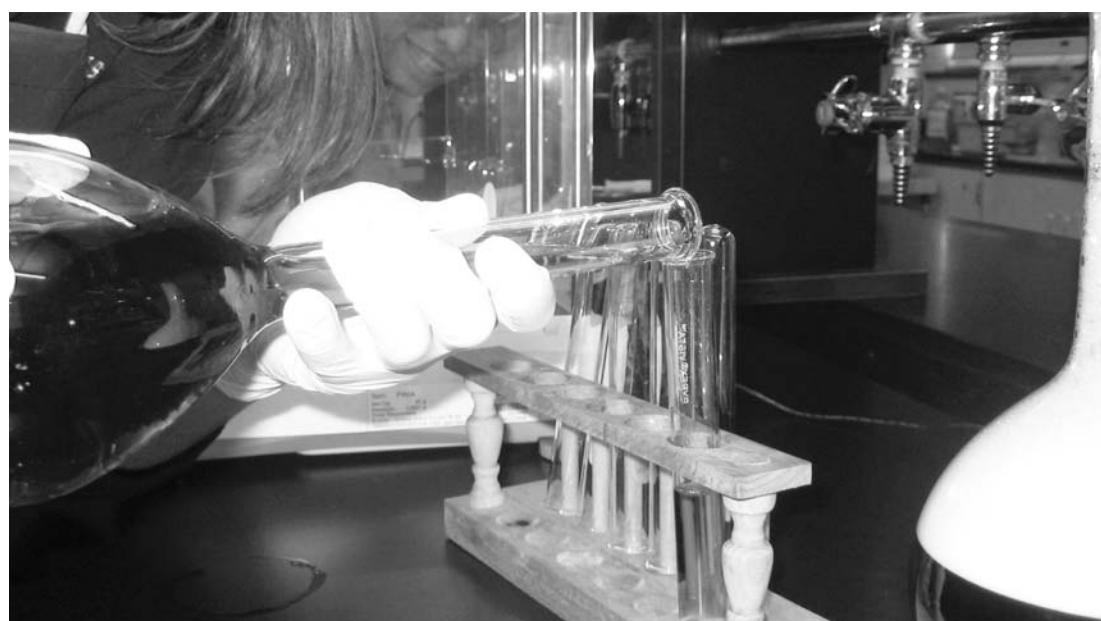
the sampling techniques for biologists.

Students will have an information packet to fill out to earn the 0.5 credit for this course. Regardless of how many times students enroll in Field Biology, credit is only awarded once. Class will meet for twelve days and will be held from 8:00 A.M. until 11:00 A.M. Three of these days will be all day field trips and one session will be held in the evening. Any students interested must see Mr. Dempsey. This course is limited to fifteen students. Only students currently in high school are eligible to take this course.

EARTH SCIENCE/PHYSICAL SETTING R

1 Credit

Earth Science is a ninth and tenth grade course that includes the processes of change on earth. Students study the earth model, the energy changes within the earth and its atmosphere, the rock cycle, the history of the earth, oceans and freshwater, and astronomy. Lab is required. This one year course ends with a NY State Regents exam in June.



CHEMISTRY

1 Credit—Prerequisite:
Students must have successfully completed or be enrolled in: Algebra 2, Algebra 2A or Algebra 2B. (Successful completion of Earth Science is strongly recommended.)

This course, for sophomores and juniors, is a study of the fundamental principles of chemistry, including atomic structure, properties of matter and energy, kinetic molecular theory, chemical reactions, and nuclear reactions. There is a 30-hour lab requirement. Regents credit will be issued upon passing the Regents exam at the end of the year.

SCIENCE RESEARCH

1 Credit

This is a course for sophomore, junior and senior students that plan on majoring in science in college or who have an interest in science. We will explore new discoveries in science and learn how to conduct primary research. This course will introduce you to the methods and techniques used in many scientific research fields. This course explores all areas in science through a variety of projects such as; researching and raising trout from eggs, conducting research in microbiology, explore the field of paleontology, conduct scientific surveys and debate scientific issues. This course will culminate with conducting your own independent research. At the end of the year students will improve

their critical thinking and problem solving skills as well as their ability to think scientifically, a skill that is essential for science majors in college.

PHYSICS R

1 Credit—Prerequisite:
successful completion of Algebra I.

This course is an excellent preparation for students who intend to pursue a science related curriculum in college or for those who simply want a thorough survey of physics. Physics is a math-based science that deals specifically with the reactions and interactions of physical phenomena.

The topics covered in this course include: Kinematics, dynamics, energy, motion in a plane, waves, electricity, magnetism, electromagnetic application and modern physics. Every student can learn physics once he/she has mastered the prerequisite math skills. These skills are taught in Algebra & Geometry and are reviewed at the beginning of the physics course. Instruction accommodates all learning styles with emphasis on providing conceptual understanding. This approach includes demonstrations, group problem solving, individual problem solving, directed and inquiry based labs, and at least one long-term inquiry project.

**APPLIED PHYSICS**

1 Credit

This course is designed for students who are curious about the nature of basic things such as motion, forces, energy, and matter, but do not feel that they can, or want, to endure the rigor of College Prep Physics. It

is a full year, single period class that meets the New York State requirements for a physical setting science course. As with College Prep Physics, instruction accommodates all learning styles with an emphasis on providing conceptual understanding. This approach includes demonstrations, group problem solving, individual problem solving, directed and inquiry based labs, and student designed projects and presentations.

ENVIRONMENTAL SCIENCE

1 Credit

Environmental science is a full-year course that meets the State requirements for a physical setting science course. This course is designed to introduce students to major ecological concepts and to the environmental problems which affect the world in which they live. Students will learn about developments which have created environmental problems, as well as actions which can help solve the problems. The curriculum is organized into four units, one each quarter: Introduction to Ecology, The Atmosphere, The Earth, and Water. This course relates environmental issues to students' lives and teaches them that the choices they make are important to the long-term health of Planet Earth.

**STEM****1 Credit**

STEM is a 1 credit elective science course. In STEM students will be engaged through a project based curriculum. Special attention will be paid to the design and engineering process through hands on activities. Subjects in STEM include plants, astronomy, building design, and sustainable development to name a few. The goal of this course is to enhance a student's ability to analyze problems, identify variables, and gain an appreciation for a variety of science topics.

FORENSIC SCIENCE

1 Credit—Prerequisites:
This course is for juniors and seniors only who have passed the Living Environment Regents Exam, earned 2 science credits, and must at least be enrolled in Geometry.

Forensic science is the application of scientific methods and techniques to crime solving. Recent advances in scientific methods and principles

have had an enormous impact upon law enforcement and the entire criminal justice system. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods specifically relevant to crime detection and analysis will be studied. Topics included will be crime scene processing, blood, hair, fiber, fingerprint, and DNA analysis, drug chemistry and toxicology, as well as arson investigations. This course will also include a detailed investigation of careers available in the area of forensics. Notorious crimes will be studied throughout the year. This course will provide students an excellent opportunity to see how science is applied in their lives, while improving critical thinking and problem solving skills. The curriculum will address several key ideas from New York State Physical Setting Standards 1, 2, 4, 6, and 7, and will meet the requirements for a 1 year physical setting course students need for a Regents diploma.

AP BIOLOGY

1 Credit—Prerequisite:
successful completion of Biology, Chemistry, and Algebra 2, Algebra 2A or Algebra 2B.

This course provides students with the opportunity to pursue an in-depth study of general biology through a laboratory-oriented approach. College course credit or placement may be obtained through the Advanced Placement Biology exam. A great deal of emphasis will be placed on laboratory activities, study of text, reference books, and selected articles from a variety of journals. Students should expect to devote a moderate amount of time beyond the scheduled class periods in completing laboratory activities and independent projects. Areas of study will include: chemical basis of biology, cells, enzymes, energy transformations, cell reproduction, heredity and genetics, cell specialization, origin of life, structure and function in plants, plant development, animal development with emphasis on vertebrates, structure and function in animals, ecological geology, evolutionary biology, and ethological biology.

AP CHEMISTRY

1 Credit—Prerequisite:
successful completion of Chemistry and Algebra 2, Algebra 2A or Algebra 2B.

This course is designed to be equivalent to General Chemistry, a two-semester course taken in college. Students may receive college credits for this course depending upon their AP exam scores and/or their chosen colleges. This course includes fundamental laws and theories of chemistry and their descriptive applications to the world. Major topics include; atomic and molecular structure, chemical bonding, stoichiometry, kinetics, equilibrium, solutions, organic chemistry and nuclear chemistry. There is a strong emphasis on mathematical relationships. The College Board description of the Advanced Placement Chemistry course specifies twenty-two labs that must accompany this course. The AP exam includes questions based on experiences and skills students acquire in the laboratory.



AP PHYSICS 1: ALGEBRA-BASED

1 Credit- Prerequisites:
Students should have completed geometry and be concurrently taking Algebra II or an equivalent course. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself.

AP Physics 1 is the first half of a two part course that replaces the formerly offered AP Physics B. This year-long course, AP Physics 1, is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. As AP Physics 1 is taught over a full school year, there is time for thorough, in-depth, student centered inquiry. Accordingly, the new course has been designed with the intention that students will spend more than 25 percent of instructional time completing these laboratory activities. The majority of lab activities will begin with open-ended questions that guide students to develop their own approach to addressing the problem at hand. In some cases, students may have the opportunity to investigate their own questions for the lab, as long as the students' questions address the specified learning objectives.

Following the completion of AP Physics 1, students have the option of taking AP Physics 2.

If students intend to take the New York State Regents Exam for Physics (Physical Setting/Physics), they should plan on taking both courses (AP Physics 1 & 2) as the content necessary for success on the NYS test is split between the two courses.

AP PHYSICS 2: ALGEBRA-BASED

1 Credit Prerequisites:
Students should have completed geometry and be concurrently taking algebra II or an equivalent course. Although the Physics 2 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself

AP Physics 2 is the second half of a two part course that replaces the formerly offered AP Physics B. AP Physics 2 is equivalent to a second-semester college course in algebra-based physics. The course covers topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. While it is not required, it is strongly recommended that students taking AP Physics 2 have completed an introductory course such as AP Physics 1 or Physical Setting: Physics

(Regents Physics). As AP Physics 2 is taught over a full school year, there is time for thorough, in-depth, student centered inquiry. Accordingly, the new course has been designed with the intention that students will spend more than 25 percent of instructional time completing these laboratory activities. The majority of lab activities will begin with open-ended questions that guide students to develop their own approach to addressing the problem at hand. In some cases, students may have the opportunity to investigate their own questions for the lab, as long as the students' questions address the specified learning objectives.

If students taking AP Physics 2 as an introductory physics course intend to take the New York State Regents Exam for Physics (Physical Setting/Physics), they should plan on taking both courses (AP Physics 1 & 2) as the content necessary for success on the NYS test is split between the two courses.



Social Studies

Courses and Credits

Global History & Geography 1: 1 Credit	Vietnam- Debating the Issues: 1/2 Credit
Global History & Geography 1H: 1 Credit	World War II: 1/2 Credit
Global History & Geography 2: 1 Credit	Psychology: 1/2 Credit
US History & Government 11R: 1 Credit	Sociology: 1/2 Credit
Economics 12: 1/2 Credit	SUPA Economics: 1/2 Credit
Participation in Government 12: 1/2 Credit	SUPA Public Policy 1/2 Credit
AP European History (1450-Present): 1 Credit	SUPA Sociology: 1/2 Credit
AP U.S. History: 1 Credit	SUPA Psychology 1/2 Credit
The United States Civil War: 1/2 Credit	American History and Culture Through Film and Video: 1/2 Credit

A quick-reference guide to Social Studies course offerings:

The Social Studies Department offers a variety of classes for students to take throughout their high school career. Most electives are open for all 10th, 11th, and 12th graders. SUPA classes are suggested for all college bound juniors and seniors. Those sophomores planning on taking the New Visions program as a senior may want to look into taking a SUPA course as a junior.

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Global History & Geography 1	Global History & Geography 2R*	U.S. History & Government 11R*	Economics
Global History & Geography 1 Honors	AP European History * <i>(Honors course for Global History & Geography 2)</i> Social Studies electives * The Global History Regents is the final exam for both Global History & Geography 2R and AP European History.	AP U.S. History* <i>(Honors course for U.S. History & Government 11R)</i> Social Studies electives * The U.S. History Regents is the final exam for both U.S. History & Government 11R and AP U.S. History	Participation in Government SUPA Public Policy <i>(Honors course for Participation Government 12)</i> SUPA Economics <i>(Honors course for Economics 12)</i> Social Studies electives
2019-2020/ 2021-2022 ELECTIVES		2020-2021/2022-2023 ELECTIVES	
World War II Sociology Psychology Vietnam- Debating the Issues American History & Culture Through Film & Video		World War II Sociology Psychology Vietnam- Debating the Issues SUPA Sociology SUPA Psychology American History & Culture Through Film & Video The United States Civil War	

SOCIAL STUDIES AIS

Academic Intervention Services

This is a non-credit course specifically designed for students in grades 9 through 12 who are in jeopardy of not passing or who have to retake Regents Global or Regents US History exam. Students will receive individualized instruction that focuses on skill development and in the content areas which are difficult for the student. The emphasis is on assisting students who need to retake the Global and/or US Regents. Placement is based on test scores and/or teacher and school counselor recommendation.

GLOBAL HISTORY & GEOGRAPHY 1

1 Credit

Grade 9 Social Studies is the first of two years of Global History and Geography that students take in the high school. New York State requires two credits of Global History as a graduation requirement. This course is based on the New York State Learning Standards for Social Studies and the Social Studies Framework implemented by the Board of Regents in 2014. The class is taught through a regional format organized around themes and concepts beginning with prehistory, the ancient world, regional studies of Africa, Latin America and Asia. Students will also be introduced to European History prior to 1750 AD. The course requires the

continued development of the following skills: note taking, outlining, library and computer activities, critical thinking, with an emphasis on historical terms, essay writing, and geography. A mid-year exam and final exam are required of all students.

GLOBAL HISTORY & GEOGRAPHY 1 HONORS

1 Credit—Honors Course.

This is an honors level course that is designed to prepare students for the Global History & Geography Regents as well as the AP European History course. Students study a regional format organized around themes and concepts beginning with prehistory, the ancient world, and regional studies of Africa, Latin America and Asia. Students will also be introduced to European History prior to 1750 CE. The course requires extensive independent reading and research. There is emphasis placed on critical analysis and research. Ninth grade teachers design and administer a department midterm exam in January and a final exam in June.

GLOBAL HISTORY & GEOGRAPHY 2R

1 Credit

Global History and Geography 2R is the 2nd social studies credit required by New York State for graduation. This class is a study of world history starting in 1750 AD and working its way up to modern times. This course is taught chronologically

and by theme and region. Several concepts and themes will be woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. Students will continue to work on their thematic and DBQ essay writing skills as well as their critical thinking skills in this class. The final exam is the Global History & Geography Regents exam which is given in June. Passing the Regents exam is a graduation requirement.

US HISTORY & GOVERNMENT 11R

1 Credit

This course focuses on the understanding of the basic structure, function and operation of the American government. Our constitutional foundations and the many ways it has been tested in the past and present are primary concerns. All aspects of the United States, as a developing industrial and post-industrial nation, are explored. The final exam is the US History & Government Regents that is administered in June; passing the Regents is a graduation requirement.

ECONOMICS

1/2 Credit

This course is a study of the economic structure of the United States, its operation in this country and its interdependence in the world today. The major economic concepts will be explored including an emphasis on personal finance and entrepreneurship. The elements of microeconomics and macroeconomics will also be discussed.

PARTICIPATION IN GOVERNMENT

1/2 Credit

In Participation in Government emphasis is placed on the interaction between citizens and their government on every level. Students will develop policy analysis skills and techniques and will apply these to important issues. Students will also be required to complete citizenship projects. AP EUROPEAN HISTORY (1450



SUPA PUBLIC POLICY

GFHS 1/2 Credit- Open to students in 11th and 12th grade. Syracuse University credit: 3 credits

This course is designed to provide students with basic research, communication, cognition, development, personality, and social psychology. Students will have opportunities to conduct their own research and to discuss current topics, events, real-life experiences, and applications of psychological and decision-making skills used in public policy analysis. Students will develop a range of applied social science skills that will help them to make more informed choices as citizens, as workers, and as consumers. While studying particular public policy issues, students will practice collecting information and will examine the use of graphs, tables, statistics, surveys, and other informal interviewing procedures. In addition, students will identify a social problem and come up with a proposed public policy to deal with it. They will forecast the impact of that policy on societal conditions, analyze the political factors affecting the policy, and develop strategies to implement the proposed public policy. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript.

CREDIT with CREDIBILITY

An opportunity to be in college while in High School! Get ready for college and earn credit for a fraction of college tuition! Program Description: Are you ready for college? Find out while still in high school by taking a college class from Syracuse University. Syracuse University Project Advance is a cooperative program between Syracuse University and Glens Falls that allows high school students to enroll in Syracuse University courses. Teachers who are also adjunct SU instructors teach these classes in the high school, and they follow the curriculum and guidelines established by the University. The Project Advance program enables high school students to gauge their ability to do college work prior to full-time college study. Upon successful completion of a Syracuse University course, students are awarded SU transcripts that record credits earned. These credits are transferable to hundreds of colleges and universities nationwide. Please note that there is a per-credit tuition charge associated with SU courses, although this charge is significantly discounted and financial aid is available to eligible students. For more information about Syracuse University Project Advance, contact the Social Studies Department Chairperson or visit www.supasyr.edu

SUPA PSYCHOLOGY

GFHS 1/2 Credit- Open to students in 11th and 12th grade. Syracuse University credit: 3 credits

This is a college-level introductory psychology course that surveys the basic principles and research findings within the major areas of psychology, including learning, memory, cognition, development, personality, and social psychology. Students will have opportunities to conduct their own research and to discuss current topics, events, real-life experiences, and applications of psychological theories and research. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript

SUPA SOCIOLOGY

GFHS 1/2 Credit- Open to students in 11th and 12th grade. Syracuse University credit: 3 credits

This is an analytic, skills-based introduction to sociology class that encourages students to see and think about the social world, themselves, and the relations between themselves and the social world in new ways. As this writing-intensive course progresses, students should develop increasing skill in analytic reading and writing, sociological reasoning, empirical research and investigation, and the ability to make empirical and conceptual generalizations about self and society in an increasingly global world. Major topics include: culture, groups, and social structure; the power and influence of the media; self and identity; social inequalities based on race, class, and gender; and social

change. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript

SUPA ECONOMICS

GFHS 1/2 Credit- Open to students in 11th and 12th grade. Syracuse University credit: 3 credits

This course provides an introduction to modern Western (neoclassical) economic thought.

Beginning with the individual in the simplest of situations, a one-person society, the course moves step by step to develop a model of a complex society based on division of labor and exchange through markets. The process takes students from the microeconomic to the macroeconomic level, emphasizing the connection between these two perspectives. Students will examine the benefits, as well as the problems, inherent in a market-oriented economy. The course prepares students to analyze and understand the ongoing economic policy debate between interventionists and non-interventionists. Students will also develop a strong foundation in neoclassical analysis that is applicable to other academic fields as well as to students' everyday experiences. The course

is rigorous, but not heavily mathematical. Students should understand basic algebra and geometry. This is a college course offered through Syracuse University, and students paying the (discounted) fee for SU credit will receive a Syracuse University transcript.


**AP EUROPEAN HISTORY
(1450 AD-PRESENT)**
1 Credit

Advanced Placement European History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in European history. In great depth and rich detail, students will study the history of Europe by examining secondary and primary sources. This course requires extensive reading and writing. Heavy emphasis is placed on developing critical writing skills. In May, AP students are required to take the AP European History exam. In June, students will take the Global History & Geography Regents exam as the final exam. This course may be substituted for Global History and Geography II. It is also open to college-bound juniors and seniors. Summer work is required and is distributed in mid-June.

AP US HISTORY
1 Credit

This is an in-depth study of American History from colonial times to the present. Students will use new factual knowledge and will build on analytical skills developed in AP European to assess and interpret original sources. This course demands that students are more self-disciplined in regards to their reading and research. In May, all enrolled students are required to take the AP US History exam. In June, students will take the United States History and Government Regents exam as the final exam. This course may be substituted for United States History & Government. Also, it is open to college-bound juniors and seniors.

AMERICAN HISTORY AND CULTURE THROUGH FILM AND VIDEO
1/2 Credit—Open to students in 10th, 11th and 12th grade.

This course will study American history and culture using films, videos and other forms of multimedia. Emphasis will be placed on traditionally disadvantaged groups such as immigrants, Africans, Native Americans, certain religious groups, women and other minority groups. The class will focus upon how America's view of these groups has changed over time, the challenges they faced, and how well they assimilated into American society.

The course of study will be aligned with the US History and Geography curriculum and will be a great complement to that class, yet still of interest to all grade levels. Visual learners and students who have struggled with history classes in the past would benefit by taking this course.

PSYCHOLOGY
1/2 Credit—Open to students in 10th, 11th and 12th grade.

This course provides an overview of the scientific study of human behavior. Some of the topics covered include patterns of behavior, developmental psychology, principles of learning, personality theory, dreams and their meaning, and abnormal psychology.

This course is primarily a discussion driven class which culminates with a Final Exam paper on a topic of the student's choosing.

SOCIOLOGY
1/2 Credit—Open to students in 10th, 11th and 12th grade.

This course provides an overview of sociological concepts through the analysis of theatrical and documentary films including The Breakfast Club, Mean Girls, Pretty in Pink, The Truman Show, The Perks of Being a Wallflower and many more. Sociology is the scientific study of social structure, examining human social behavior from a group, rather than an individual, perspective. Sociologists focus on the patterns of behavior shared by members of a group or society. The sociological perspective enables us to develop a sociological imagination—the ability to see the relationship between events in our personal lives and events in society.

WORLD WAR II

1/2 Credit-Open to students in 10th, 11th and 12th grade.

This elective is a modern European and world history course covering 1860-1946. The main focus of the class is World War II from a global standpoint. The causes, famous leaders, generals, political systems, military battles, tactics, weapons, technologies, and results of these conflicts are studied. Other major topics include World War I, the Treaty of Versailles, the Russian Revolution, Communism, Fascism,

Appeasement, Blitzkrieg, the Holocaust, Pearl Harbor, D-Day, Stalingrad, Battle of the Bulge, Iwo Jima, Okinawa, the atomic bomb, and the Nuremberg trials. This course includes movies, maps, pictures, historical documentaries, actual combat footage, and visits by World War II veterans to help students understand some of the biggest events in human history. Assessments include short essays, class participation, movie/documentary reports, unit exams, and a class presentation which counts as the final exam for the course.

**UNITED STATES CIVIL WAR**

1/2 Credit-Open to students in 10th, 11th and 12th grade.

This course will study, in depth, the causes of the Civil War, the major battles and their leaders, the politics of the war and the politicians, contributions of women

and Black Americans and Reconstruction. Emphasis is placed on studying the Civil War from the viewpoints of both sides of the conflict.

This is a project-driven course. In lieu of a final exam, students prepare and present a powerpoint presentation on the topic of their choice.

VIETNAM - DEBATING THE ISSUES

1/2 Credit- Open to students in 10th, 11th, and 12th grade.

This course will offer students the opportunity to explore the Vietnam War within the context of the Cold War era, with emphasis placed upon the issues in the United States and in Vietnam. During the semester, students will examine the origins of American Cold War policy and diplomacy; the

Tonkin Gulf Resolution; the escalation and progression; the anti-war movement; personal experiences of the Vietnam veteran; media coverage; the peace process and the legacy of the war. Art, literature, poetry, music, personal testimonies and official documents will bring alive the issues. Students are expected to debate the issues surrounding the Vietnam

War so active participation is required. In lieu of a final exam, students will prepare and present a research project.



Technology

Courses and Credits

Basic Technical Drawing: 1/2 Credit

Basic Drawing & Design: 1/2 Credit

Computer Aided Drawing: 1/2 Credit

Architecture: 1/2 Credit

Construction & Manufacturing Systems A & B: 1/2 Credit each

BASIC TECHNICAL DRAWING

1/2 Credit— Open to students in grades 9, 10, 11, 12.

This course will introduce students to the basic elements and processes of drafting that are common to many industries, trades and occupations. Standards and techniques used in industry will be taught. Units include orthographic, isometric, oblique and cross section drawings, as well as dimensioning.

* This course may be used to satisfy the high school art/ music requirement.



BASIC DRAWING AND DESIGN

1/2 Credit— Prerequisites: Basic Technical Drawing

This course will encourage visual problem solving using various drawing techniques and modeling. The main areas of technical drawing and the elements of design will be included. Students will use drawings and construct scale models and prototypes to communicate ideas and develop solutions to real life situations. Standards and techniques used in engineering will be taught.

* This course may be used to satisfy the high school art/ music requirement.

COMPUTER AIDED DRAWING (C.A.D.)

1/2 Credit— Prerequisites: Basic Technical Drawing

This course will give students an understanding and appreciation of using computers to generate technical drawings. Students will use the AutoCAD program. Units will include orthographic, isometric, cross-section and architectural drawing. Standards and techniques used in engineering will be taught. Successful completion of Basic Technical Drawing is required.

ARCHITECTURE (ONE SEMESTER)

1/2 Credit— Open to students in grades 10, 11, 12. Prerequisites: Basic Technical Drawing

This course is designed as a comprehensive study of the planning, designing and constructing of residences. It will provide an introductory experience in the complexities of the building construction industry. Included will be site plans, floor plans, elevations and interior design. Each student will plan and design his own home. Students will also be introduced to computer software for designing and generating architectural plans.

CONSTRUCTION & MANUFACTURING SYSTEMS (A & B)

A- 1/2 Credit B- 1/2 Credit

This course provides hands-on experience in the construction and manufacturing process. Topics will include resources, processes, products and impacts of manufacturing. Students will be introduced to various materials, tools and assembly processes. Emphasis is placed on problem solving and peer collaboration. This course is divided in two semesters, A & B. Successful completion of part A is required to take part B.



Other

Courses and Credits

ACT/SAT Review: 1/2 Credit

Yearbook: 1/2 Credit

IT Support and Training: 1/2 Credit

ACT/SAT REVIEW

1/2 Credit

This is a ½ year course which focuses on preparing students for the ACT and/or SAT exams. Students will be introduced to the format of the exams and engage in self-paced practice of fundamental skills employing the latest online review resources. Students will also develop test taking strategies for taking multiple choice tests and maximizing scores based on developing effective pacing. Additionally, students will research their college choices to determine testing requirements, and whether their school of choice requires the optional essay portion of the ACT or SAT. This course is graded pass/fail.

YEARBOOK

1/2 Credit—Prerequisite: Seniors only with approval of instructor

Students accepted to participate in this course will actually create the yearbook. You will be involved in the planning and organization of all information to be included in the yearbook including taking photos, writing stories, designing and drawing page layouts, selling ads and marketing the yearbook. Students need to possess a great deal of self-motivation and self-discipline, excellent attendance in class, and the ability to work with others in a team setting. This is largely a student driven class, with an emphasis on initiative and independence. Students who believe they possess the above mentioned qualities are invited to apply to become part of the yearbook team!

IT SUPPORT AND TRAINING

1/2 Credit

Students accepted to participate in this course will be working directly with the IT department in regard to Chromebook repair and other minor technology issues in the middle and high schools. Students must be able to work independently, must have excellent attendance, exceptional communication skills, and a strong work ethic. No experience is necessary, but we are looking for candidates with a strong desire to work with technology and computers. If you think you possess these qualities, please request an application from your school counselor. On the application, you will need to answer open ended questions and provide the names of two teacher references that will verify your work ethic and your ability to work with others.

Career and Technical Education

The Board of Cooperative Educational Services of Washington-Saratoga-Warren-Hamilton-Essex Counties offers an extensive career and technical education program designed to give high school students specialized technical skills. The CTE program is offered without regard to sex, race, color, national origin or handicap. These vocational majors are, for the most part, two year programs designed for juniors and seniors. Some students enter the workforce after program completion. Others continue their education at a technical school or college.

Students spend a portion of each day at their CTE program and the remaining portion at the home school where they complete required courses. Successful completion of a year-long course at CTE earns four credits. Students may also participate in New Visions Health Careers Exploration or New Visions Engineering.

The information covered over the next few pages is intended as a brief overview of CTE courses offered. For more detailed information on a specific course offered, please visit www.careerandtech.org.

NEW VISIONS ENGINEERING/HEALTH CAREERS EXPLORATION

New Visions is a competitive program available to seniors only. Space in this program is limited and selection is based on a competitive application and interview process. Additional information about the application process is provided to juniors each spring.

New Visions Engineering is an academically rigorous one-year program for college-bound high school seniors who plan to major in an engineering discipline. Students receive instruction in AP Calculus, AP Physics, and various engineering principles. Students explore the world of engineering through hands-on projects that integrate academics and engineering concepts.

New Visions Health Careers Exploration is an academically rigorous one-year program for college-bound high school seniors who plan to major in pre-med, chemistry, biology, or other allied health fields. Students learn and observe in a hospital setting from physicians and physician assistants, physical and occupational therapists, registered nurses, and a wide range of other health care professionals.

AUTO BODY REPAIR

*Offered at the Myers Center only.

Love cars? Learn about body alignment, dent removal, painting, refinishing, trim, and glass work. Apply your knowledge and skills in our state-of-the-art paint booth and mixing room, and use the latest technology in our on-site shop.

Goal: Post-secondary education and entry-level employment as an auto body technician, vehicle reconditioner, estimator, or vehicle refinisher.

AUTOMOTIVE TECHNOLOGY

The program is designed to graduate entry-level technicians with a broad skills set, solid foundation in electrical/electronics, and general understanding of all automotive systems. You will work on school owned vehicles and use high-tech equipment.

Goal: Post-secondary education and entry-level employment as an automotive technician, estimator, or shop manager.

CONSTRUCTION TRADES

Obtain a basic knowledge of tools, methods, materials, and technologies currently used in the construction industry. Gain practical experience through on-site

and community service-based construction projects throughout the year.

Goal: Post-secondary education and entry-level employment as a carpenter, construction laborer/manager, front-line supervisor, carpenters helper, cost estimator, painter, or brickmason.

COSMETOLOGY

A two-year, 1000-hour program dedicated to preparing you for current and emerging careers in the professions of natural hair styling, esthetics, nails, and cosmetology. Learn to cut, color, style, talk with customers, and run your own business while participating in your class' full service salon.

Goal: Post-secondary education and entry-level employment as a cosmetologist/stylist, product representative/demonstrator, or nail technician.

CRIMINAL JUSTICE STUDIES

This program is based on a philosophy of prevention rather than apprehension. You will learn through mock trials, crime scene investigations, forensics, crime scene sketching, budget development, police reports, and community service projects.

Goal: Post-secondary education and entry-level employment as a security/protection officer or corrections officer.

CULINARY ARTS & HOSPITALITY

Prepare for a career in food service industries by learning culinary techniques, nutrition, sanitation and workplace safety, hospitality management, menu planning, food cost and inventory control, marketing, and more.

Goal: Post-secondary education and entry-level employment as a line cook, assistant chef, head waiter/waitress, banquet/catering staff.

EARLY CHILDHOOD EDUCATION

Want to work with children? This program teaches you how to establish and maintain safe, healthy learning environments, while nurturing the development of young children. You will work with 3- and 4-year olds, under supervision, in an on-site preschool that is free to the community.

Goal: Post-secondary education and entry-level employment in a daycare or preschool.



ENVIRONMENTAL CONSERVATION & FORESTRY

In this program, you will spend 75% of your time outdoors in "land labs," where you will use equipment and practice what you learn in class. Learn forest management, woods safety, land usage, fish and wildlife management, and current and emerging environmental conservation issues.

Goal: Post-secondary education and entry-level employment in the forestry/logging industry, or as a heavy equipment operator or commercial truck driver.

GRAPHIC & VISUAL COMMUNICATIONS

Are you creative? Learn basic layout and design skills for television, print, and Internet using state-of-the-art Apple computers. Use other digital equipment to build skills in photography, illustration, audio and video editing, and animation.

Goal: Post-secondary education and entry-level employment as a digital pre-press operator, ad designer, or web designer.

HEALTH OCCUPATIONS

In this program, you will learn to care for residents in a variety of healthcare facilities as a nurse assistant and hone your skills in Medical Office. Assisting, phlebotomy and EKGs. You will also participate in supervised clinical experiences with real people.

Goal: Post-secondary education and entry-level employment as a medical assistant, nursing aide, personal/home health aide, orderly, or attendant.

HEATING, VENTILATION, AIR CONDITIONING & REFRIGERATION

*Offered at the Myers Center only.

The program imparts knowledge and skills for the installation, service, and repair of heating, air conditioning, and refrigeration equipment in both residential and commercial applications. We emphasize safety and Environmental Protection Agency (EPA) regulations.

Goal: Post-secondary education and entry-level employment as an HVAC technician, HVAC installer, or appliance repair person.

HEAVY EQUIPMENT MAINTENANCE & OPERATION

Here you will learn to operate, maintain, diagnose, and repair construction-related equipment such as backhoes, bulldozers, excavators, and more. A corporate collaboration with Milton/Caterpillar and Bobcat give you opportunities for specialized training and internships.

Goal: Post-secondary education and entry-level employment as a mechanic, commercial truck driver, or construction laborer

HORSE CARE

*Offered at the Myers Center only.

Love animals, especially horses? This program teaches equine physiology and systems of the body, nutrition, and health. You will spend a majority of your time off-campus, where you'll see firsthand the operation of a business and specific job duties related to future careers.

Goal: Post-secondary

education and entry-level employment as a groom or hot walker.

HORTICULTURE, LANDSCAPING & FLORAL DESIGN

*Offered at the Myers Center only.

Like plants? Be part of a growing industry by learning landscape design, floral design, greenhouse crop production, landscape installation and maintenance, and more. You will also manage an on-site greenhouse and floral shop that is open to the public.

Goal: Post-secondary education and entry-level employment as a groundskeeper; crop, nursery or greenhouse worker; retail florist; floral designer; or landscaping assistant or apprentice.

MACHINE TOOL TECHNOLOGY

*Offered at the SAEC Center only.

Precision and computer programming all rolled into one valuable course. In this class, you will program high-tech machines using CAD/CAM, Solid Works, Master CAM, CNC, and G-Code Programming. Skills you learn here will lead to high paying jobs in high demand in our region.

Goal: Post-secondary education and entry-level employment as a machine operator, CNC machinist, tool and die maker, set-up programmer, or machinist apprentice.

POWER SPORTS TECHNOLOGY

*Offered at the SAEC Center only.

Learn to fix power equipment and engines found in motorcycles, all-terrain vehicles, boats, snowmobiles, jet skis, and lawn/garden equipment.

The classroom is a "live" shop where you will help real customers and complete repairs, which may include welding and fabrication.

Goal: Post-secondary education and entry-level employment as a parts clerk, sales associate, industrial fork truck operator, set-up technician, or parts manager.

WELDING

Learn to weld steel and aluminum to fabricate or repair products of all shapes and sizes. The program integrates safety, blueprint reading, electrode selection, joint design, rigging, metallurgy, quality, symbols, welding detail drawings, and technology.

Goal: Post-secondary education and entry-level employment as a welder, cutter, solderer, brazer, iron worker, sheet metal worker, apprentice, or electrical and electronic equipment assembler.



GRADUATION requirements for the class of 2016 and beyond

REQUIRED CREDITS

LOCAL DIPLOMA		REGENTS DIPLOMA		ADV. DESIGNATION	
Content Area	Credits	Content Area	Credits	Content Area	Credits
English	4	English	4	English	4
Social Studies	4	Social Studies	4	Social Studies	4
Math	3	Math	3	Math	3
Science	3	Science	3	Science	3
LOTE	1	LOTE	1	LOTE	3
Art/Music	1	Art/Music	1	Art/Music	1
Health	0.5	Health	0.5	Health	0.5
Physical Education	2	Physical Education	2	Physical Education	2
Electives	4.0	Electives	4.0	Electives	2
Total:	22.5	Total:	22.5	Total:	22.5

REQUIRED EXAMS

LOCAL DIPLOMA* Must score <u>≥ 55</u> on all	REGENTS DIPLOMA (passing score of 65 and above)	ADV. DESIGNATION (passing score of 65 and above)
English Regents Exam	English Regents Exam	English Regents Exam
Math Regents Exam	Math Regents Exam	Algebra 1, Geometry & Algebra 2 Regents Exams
Social Studies Regents Exam	Social Studies Regents Exam	Social Studies Regents Exam
Science Regents Exam	Science Regents Exam	2 Science Regents Exams (1 Life Science & 1 Physical Science)
Pathway Assessment**	Pathway Assessment**	LOTE Comprehensive Exam (or alternate credits option)
*NOTE: Local Diploma is only available to students identified by the committee on Special Education or through the Section 504 Plan Process as being eligible for the "Safety Net/Low-Pass Option"		Pathway Assessment**

** A Pathway Assessment is an additional math, science or social studies Regents exam (in a different course) or department approved alternative or a department approved Pathway Assessment in CTE, the Arts, or LOTE.

NOTES

- Students must earn 1 credit in a LOTE, for a Regents Diploma. One credit is earned by passing level 1 in 7th and 8th grades and the proficiency exam or by passing Spanish 1 or French 1 in high school. A three-credit sequence in a LOTE and the passing of the Comprehensive Exam is a requirement for an Advanced Regents Diploma. Alternatives to this: completing a five-credit sequence in Occupational Education, Art, or Music.
- Students identified by the Committee on Special Education may be exempt from the LOTE requirement if their IEP states that they are exempt from the requirement.
- The “low-pass option” of scoring between 55-64 on all Regents exams will continue to be available indefinitely to students with disabilities as approved by the CSE or 504 committee.
- Students who qualify for a Regents or Advanced Regents Diploma and earn a 90 average or above on the required exams for that diploma will receive an Honors designation.
- Students who qualify for an Advanced Designation diploma and also earn an 85 or above on three math and/or science Regents exams qualify for the Mastery in Math and/or Science annotation on their diploma.



SECONDARY WORKSHEET SUMMARY FOR GRADUATION

CLASS OF _____

Name: _____ Career Plans: 9th _____ 10th _____

11th _____ 12th _____

MIDDLE SCHOOL	9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE	
Year:	Year:	Year:	Year:	Year:	
	English 9	English 10	English 11	English 12	
	Global Studies 1	Global Studies 2	U.S. History	Econ/Gov't	
	Math	Math	Math		
	Science	Science	Science		
	Art/Music	Health			
	Phys. Ed.	Phys. Ed.	Phys. Ed.	Phys. Ed.	
	9th Total	10th Total	11th Total	12th Total	
	Cum Total	Cum Total	Cum Total	Final Total	

GRADUATION REQUIREMENTS

Advanced Regents Diploma

(must pass 9 required Regents exams ≥ 65)

4 English
4 Social Studies
1 Art/Music
3 Math
3 Science
3 LOTE OR...
 5 Art/CTE
½ Health
2 Electives
2 Phys. Ed

22½ Credits TOTAL

Regents Exams: 5 ≥ 65

Math _____
Science _____
Global Studies _____
U.S. History _____
English _____
LOTE _____

Regents Diploma

(must pass 5 required Regents exams ≥ 65)

4 English
4 Social Studies
1 Art/Music
3 Math
3 Science
1 LOTE
½ Health
4 Electives
2 Phys. Ed

22½ Credits TOTAL

CSE/504 Students: Regents Exams “Low Pass Option”

Math 55-64 _____
Science 55-64 _____
Global Studies 55-64 _____
U.S. History 55-64 _____
English 55-64 _____
(Available indefinitely)

Local Diploma*

(must pass 5 required Regents exams)

Students must complete courses required for the Regents Diploma
(See Note)

22½ Credits TOTAL

*NOTE: Local Diploma is only available to students identified by the committee on Special Education and through the Section 504 Plan Process as being eligible for the “Safety Net/ Low Pass Option”

The School Counseling Office

10 Quade Street Glens Falls, NY (518)792-8654

School Counselors:

Andrew Akins aakins@gfsd.org

Brian Bombard bbombard@gfsd.org

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Use the QR scanner on your smartphone to access the district web site at www.gfsd.org, where you can find everything from athletic schedules and lunch menus to teacher web pages and library resources. Need a QR code scanner? It's easy and free to download an application from your service provider.