

**HIGH
SCHOOL**
Course
Selection
Guide

**2026
2027**

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CENTRAL SCHOOL DISTRICT



RCSS

Valuing inquiry, collaboration, risk-taking, participation & empathy

CLASS OF 2025

124 STUDENTS

Overall Graduation Rate **88.8%**

DIPLOMA TYPES:

Regents diploma	40%
Advanced Regents diploma	34%
Advanced Regents with Honors diploma	3%

DIPLOMA ENDORSEMENTS (# OF STUDENTS):

Mastery in Math	3
Mastery in Science	6
CTE Endorsement	6
CDOS/SACC* Credential	33
Seal of Biliteracy Endorsement	0

* Career Development and Occupational Studies
Commencement Credential/Skills and Achievement
Commencement Credential



THIS COURSE SELECTION GUIDE...

is prepared for the purpose of assisting students and parents in the selection of courses for their next school year. A brief description of all courses offered at the high school as well as other helpful information is included.

The school counseling department will conduct small group meetings and individual conferences throughout the school year to assist each student with course selections. In addition, special evening sessions are scheduled for parents. The entire RCS teaching staff is available to provide further guidance and information covering specific course offerings.

This guide provides information on grouping for instruction, early graduation, early admission to college, advanced placement courses and independent study credit.

VISION STATEMENT:

Where passions inspire and individuals succeed.

DISTRICT MISSION:

Providing a safe and supportive learning environment in which all are valued and challenged to become responsible members of a global society.

DISTRICT VALUES:

- ▶ We value INQUIRY because we believe that it is critical to learning.
- ▶ We value COLLABORATION because we believe that it results in continuous improvement.
- ▶ We value RISK-TAKING because we believe it is essential for the growth of diverse learners.
- ▶ We value PARTICIPATION because we believe global citizenship begins in our RCS community.
- ▶ We value EMPATHY because we believe everyone's success depends on meeting their unique social-emotional and academic needs.
- ▶ We value COMMUNITY because we believe that it takes shared conviction and effort to accomplish this important work.

New York's Multiple Pathways to Graduation

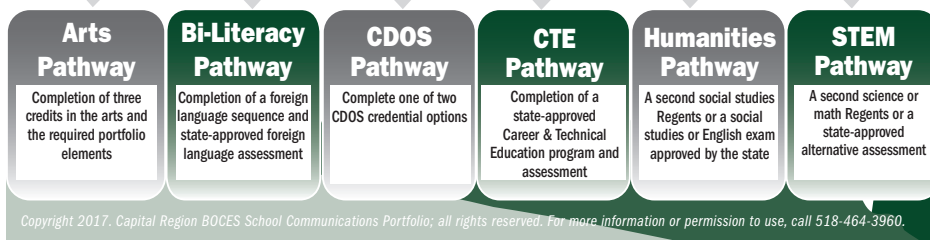
REQUIRED FOR HIGH SCHOOL GRADUATION:

English Regents 1 Math Regents*
1 Science Regents* 1 Social Studies Regents*

+

At least one of the following:

* Any Regents exam in these subject areas.



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DIPLOMAS OFFERED

- Local
- Regents
- Advanced Regents

PLANNING A HIGH SCHOOL PROGRAM

Planning a program of study for each of the four years of high school is one of many important decisions students must make.

When planning a high school program, students should take into consideration their abilities, interests, goals and the various pathways to graduation that are available at RCS High School.

A student's pattern of studies should be built around the courses and subjects required for graduation, but that student should also select electives of interest that can assist them in working toward educational, career and personal goals.

WHEN CREATING A PLAN:

- Establish personal goals.
- Evaluate personal strengths, interests, aptitudes and needs.
- Research entrance requirements for the types of careers you may wish to pursue after high school.
- Take advantage of opportunities such as information nights, internships, college fairs, college visits and vocational resources.
- Use the advice and counsel of parents, counselors and teachers, as well as students who have preceded them at RCS High School.
- Select coursework that will contribute most toward achieving your post-secondary goals.

Graduation Requirements

In 2015, the Board of Regents approved regulations, known as 4+1 Multiple Pathways, which allow students to choose from among multiple pathways to meet the assessment requirements for earning a Regents or local diploma. Students now have the following options:

1. Four (4) Regents Exams required: one each in English Language Arts (ELA), math, science and social studies

2. Plus any one (1) of the following assessment requirements:

- Additional math Regents exam in a different math course; or
- Additional science Regents exam in a different science course; or
- Additional social studies Regents exam in a different social studies course; or
- A department-approved career and technical education (CTE) pathway assessment, following successful completion of an approved CTE program; or
- A department-approved pathway assessment in the arts; or
- A department-approved pathway assessment in a language other than English (LOTE): or
- Career Development and Occupational Studies (CDOS) credential option

RCS offers three possible diplomas (Local, Regents, Advanced Regents) with the possibility of additional accolades and, for the special education population, two completion credentials (NYS CDOS¹ and SACC).

Course selections should be discussed carefully with a high school counselor. Unless otherwise noted in the departmental course listings, a full-year course is equal to one credit toward graduation and a one-semester course earns one-half credit.

CTE GRADUATION PATHWAY

Career & Technical Education (CTE) Programs prepare students with the academic and technical knowledge and training necessary to succeed in their future careers. Students enrolled in these CTE programs housed here at RCS High School will develop a strong emphasis on applying academic skills and deepening skills in communication, mathematics, science, and technology.

CAREERS ASSOCIATED WITH THESE PATHWAY AND CAREER AND TECHNICAL EDUCATION ENDORSEMENT:

- Financial Analyst
- Sales
- Marketing Manager
- Human Services
- Entrepreneur
- Accountant
- Human Resources Specialist
- Building Sciences

INDIVIDUAL ARTS ASSESSMENT PATHWAY (IAAP)

The Individual Arts Assessment Pathway (IAAP) is a graduation pathway option that offers music and art students a pathway to earn a Regents Diploma utilizing their skills in Music or the Visual Arts.

Students will get to work with a mentor to meet the appropriate State developed IAAP criteria based on the student's artistic and research interests. This Pathway is a way to prepare students for future professional and educational experiences and opportunities in Music or the Visual Arts.

CTE- Business Education			
Business Management/Entrepreneurship			
Business Content-Specific Courses	Credits	Other Required Courses	Credits
Intro to Business	.5	Career and Financial Management (CFM)	.5
Business Math	1.0		
Principles of Marketing	.5		
E-Commerce or Entrepreneurship	.5		
GEWEP: WBL Experience in Business Mgmt./ Entrepreneurship career field	.5		
Total:	3.0	Total:	.5
Total Credits in this Program of Study: 3.5			

CTE - Human Services			
FACS Content-Specific Courses	Credits	Other Required Courses	Credits
Food and Nutrition Across the Lifespan I (Culinary Arts 1)	.5	Career and Financial Management (CFM)	.5
Food and Nutrition Across the Lifespan II (Culinary Arts 2)	.5		
Careers in Human Services	.5		
CHS Child Development	.5		
Entrepreneurship: Human Services	.5		
GEWEP: Human Services	.5		
Total:	3.0	Total:	.5
Total Units in this Program of Study: 3.5			

CTE - Building Studies			
Technology Education Content-Specific Courses	Credits	Other Required Courses	Credits
DDP	1.0	Career and Financial Management (CFM)	.5
Production Systems	.5		
Construction Systems I	.5		
Construction Systems II	.5		
GEWEP: Building Sciences	.5		
Total:	3.0	Total:	.5
Total Units in this Program of Study: 3.5			

Course Requirements

Students must earn the following credits to graduate with one of three possible diplomas:

	Local	Regents	Advanced Regents
English	4	4	4
Social Studies	4	4	4
Mathematics	3	3	3
Science	3	3	3
Art/Music	1	1	1
Health	.5	.5	.5
Physical Education	2	2	2
Foreign Language	1	1	3*
Electives	3.5	3.5	1.5
Total Credits:	22	22	22

* Students can earn an Advanced Regents Diploma by earning one credit in Foreign Language and 5 credits in CTE (Business, Technology and Family and Consumer Science) or one credit in Foreign Language and 5 credits in Art.

Assessment Requirements

Students must earn the following credits to graduate with one of four possible diplomas:

Regents/Local Diploma (4+1 exams)	Advanced Regents Diploma (8 exams + passage of Checkpoint B LOTE exam)
<ul style="list-style-type: none"> English Regents 	<ul style="list-style-type: none"> English Regents
<ul style="list-style-type: none"> One Social Studies Regents 	<ul style="list-style-type: none"> Global History & Geography Regents
<ul style="list-style-type: none"> One Math Regents 	<ul style="list-style-type: none"> U.S. History Regents
<ul style="list-style-type: none"> One Science Regents 	<ul style="list-style-type: none"> Algebra, Geometry & Algebra 2 Regents
<ul style="list-style-type: none"> One Pathway 	<ul style="list-style-type: none"> Two Science Regents

CDOS and SACC

NON-DIPLOMA HIGH SCHOOL EXITING CREDENTIALS:

Career Development and Occupational Studies (CDOS) Commencement Credential

is available to all students other than those who are assessed using the NYS Alternate Assessment. This credential can be earned in addition to a diploma.

Requirements: Completes a career plan; demonstrates attainment of the commencement level CDOS learning standards in the area of career exploration and development, integrated learning and universal foundation skills; satisfactorily completes the equivalent of 2 units of study (216 hours) in Career and Technical Education coursework and work-based learning (including at least 54 hours of work-based learning); and has at least 1 completed employability profile; OR Student meets criteria for national work readiness credential, by passing an assessment-based pathway exam.

Skills and Achievement Commencement Credential (SACC)

is available to students with severe disabilities that are assessed using the NYS Alternate Assessment. All students with severe disabilities who attend school for not less than 12 years, excluding Kindergarten exit with this credential which must be accompanied by documentation of the student's skills and strengths and levels of independence in academic, career development and foundation skills needed for post-school living learning and working.

SELECTING A COURSE OF STUDY

Prior to entering grade 9, each student will meet with their middle school counselor to plan the high school program the student wishes to pursue. In each subsequent year, students will meet with their counselor individually and in small groups to review and plan the next year's program. Parents are also expected to review their student's program. They are provided a written copy of the student's tentative program for the next academic year in sufficient time to request desired modifications prior to June 1st.

All students must be enrolled in a minimum of 5 classes and Physical Education. Teachers may make a recommendation for a change of courses on behalf of a student following their evaluation of that student's performance during the first five weeks of the scheduled course. Students should be aware that once the course begins, course change requests will be considered only if the change will not drastically change their entire schedule and only if there is room in the requested section.

HONORS PROGRAM

Honors programs at RCS are designed to provide a rigorous and demanding level of coursework and includes enriched and accelerated-level instruction. Students are selected for the program based on their ability, as indicated in test scores, demonstrated achievement, motivation, or by the recommendation of a content-area teacher. Additional criteria may be established by each department. Students may take several honors courses based on the student's interest and availability within the schedule. Participation in the program is voluntary on the part of the student and is dependent on parental approval.

ADVANCED PLACEMENT (AP) PROGRAM

Our Advanced Placement Program is a cooperative educational endeavor. Based on the fact that many students can complete college level studies while still in high school, it is our goal to foster such experiences. RCS students are offered the opportunity to study one or more college level courses and then, depending on examination results, receive credit at the college level. AP courses are available within most disciplines; consult the individual course discipline area for specific course offerings. The RCS School District pays for AP Exams.

UHS AND CHS COURSES

University in the high school and college in the high school courses enable our students to complete credits toward a college degree while finishing requirements for their high school diploma. Through enrollment in college level courses, students with strong academic backgrounds can add further enrichment to their senior year as well as shorten the time required to complete their college education. RCS students are able to take these courses at a number of local colleges. Several college credit courses are offered "on-site" at RCS in our Business & Technology, English, Foreign Language, Math, Science, Social Studies Departments and Music Departments. Typically, three or four credits are offered for these college courses. SUNY Albany and HVCC are the colleges currently providing this program. There is a fee for taking the UHS and CHS courses, payable at the beginning of the coursework. Note that credit is awarded for grades of "C" or higher.

EARLY ADMISSION TO COLLEGE

Early Admission Program (EAP) through Hudson Valley Community College allows qualified students the opportunity to fulfill high school graduation requirements through completed college credits. High school students who have successfully completed their junior year and who have achieved an overall high school average of 80 qualify for this program. Families assume the cost of the college courses.

CAREER & TECHNICAL EDUCATION/NEW VISIONS

A variety of vocational programs are available for students during their junior and/or senior years. Seniors may also qualify for the New Visions internship program through Albany CTE (career and technical education) in the area of health. The full CTE course guide is available in the counseling office with descriptions of all the programs offered. Students should speak to their counselor regarding program options and eligibility.



Course Change Request

Students must utilize the Course Change Request Form for all program changes. Signatures are required from the teacher, the department coordinator, the school counselor, and parent. If it is a required core course, students must obtain the principal's signature as well. If a student drops a course after half the class has been completed, the course will appear on the transcript as a withdraw/pass or withdraw/fail.

Class Standings

The number of units of credit listed below must be accumulated by the end of the school year or via additional summer school credit.

To be a sophomore 5.5 or more credits needed

To be a junior 11 or more credits needed

To be a senior ability to complete credit requirements

Report Card & Interim Reports

Report cards will be issued every ten weeks with academic achievement effort grades given in each subject; interim reports are issued midway between each quarter. Both report cards and interim reports available in the Parent Portal. Additional reports may be issued at the discretion of the classroom teacher.

Ten week and final grades are numerical and may be interpreted as follows:

High Honor Roll Grades.....89.5 - 100

Honor Roll Grades84.5 - 89.4

Passing Grade65+

Incomplete Inc.

A final average is computed by using the first, second, third and fourth ten week grades and the final exam grade (where applicable). In half-year courses, the final average is computed by doubling each quarter grade and the final exam grade (where applicable).

Grading Policy

All teachers will give to students, at the beginning of the year, a copy of their grading policy. The policy will be clear enough so that the student understands their responsibilities for the course. The teacher's policy will also allow the student to calculate their grade each quarter based upon the formula the teacher gives to the student.

Computing Final Grades

Where students have dropped levels or changed courses and we do not have the grades with which to do this the following process is used: Instead of doubling the quarter

marks, average the grades and use that grade as the mark that is missing and then proceed as usual.

If a student fails a course, but passes the local final exam, that student must take the course and exam again in order to pass. A student who does not complete all required projects and class work will not be allowed to take their exam until the work is finished.

If the work is not made up before the end of the next report period, a grade of zero will be given for the items of work not completed and a ten week average will then be computed.

Parents are encouraged to contact the school when students receive unsatisfactory grades. It is wise to contact your student's teacher to arrange for further communications with the appropriate teacher.

Homework

Homework serves many worthwhile purposes, and therefore, should be assigned in a reasonable amount. Among the purposes it serves are: (1) It provides an opportunity for pupils to enrich their background. (2) It augments work covered in regular class periods. (3) It provides an opportunity for pupils to develop their skills in reading, writing, and in the use of reference materials. (4) It develops, in pupils, self-reliance and self-discipline. (5) It helps to improve general academic achievement. (6) It serves as a means of evaluation. (7) It provides needed training in developing proper attitudes and good work - students are to be informed of the value that each assignment they are given carries in their grade determination.



Remedial/Enrichment

A Remedial/Enrichment period is provided four days per week for all students. Students are encouraged to take advantage of the valuable extra help that can be obtained just for the asking. A student will at times be required to stay for Remedial/Enrichment. A student will normally be given a pass if additional support is made mandatory. However, students should not wait to be told but should take the initiative themselves. If a teacher is not available on a particular day, the student should make an appointment for another day. Remedial/Enrichment period takes priority over all other activities. Tenth period, Monday through Thursday, is part of the regularly scheduled school day.

When a student has been assigned to stay with a teacher for tenth period, the student must stay with the teacher. A student has the privilege of leaving at the end of ninth period only if the student has not been assigned to stay for a tenth period. Students wishing to go to the library during tenth period must obtain a library pass from a library staff member. Passes will be dispensed based on student need and space availability. As the library is a quiet work area, students using the library to socialize will be asked to leave.

Alternatives to Specific Regents and Local Diploma Requirements

A student may earn a maximum of 6.5 units of credit for either: a Regents or local diploma without completing units of study for such units of credit by: (1) Passing a final examination approved by the State Education Department. (2) Completing a special project as determined by existing department policy. (3) Completing all requirements which may be unique to a specific subject area, i.e., Earth Science, Chemistry, etc. (4) Taking an oral examination based on skills or content which are different from those in a written examination. Challenge to any subject must be made before a student is officially enrolled and actively involved in the course under consideration.

Academic Intervention Services (AIS)

The RCS School District provides academic intervention service (AIS) support at our high school in lab support settings that are part of students daily/weekly schedule. In these lab support classes, students are able to receive targeted support, a personal connection with a teacher and regular check ins that support academic, organizational, and social emotional growth. Lab support teachers collaborate with content area teachers in order to provide both content specific remediation and skill development. Lab support teachers may also focus on study skills, such as note taking, and organizational assistance and strategies.

Students are identified for this support through a variety of sources of information including previous support at the middle school level (GROW program) and ongoing and regular data review meetings by a high school team that includes administrators and counselors. Student progress is monitored through course quarterly grades, performance on classroom assessments, and when applicable, Regents results.

Class Ranking and Confirmation of Valedictorian and Salutatorian

Class rank will be calculated by adding the student's final class average in all courses taken and dividing that sum by the total number of courses taken. If the student has attended summer school or retaken a Regents examination and received a higher than originally received, the higher grade will be used to calculate the final class average for that class. This class rank will be the official class rank and be reported for college admission or employment placement.

Confirmation of the valedictorian and salutatorian designation will occur at the conclusion of the second quarter of the student's senior year.

Failed or Repeated Courses

Students failing a course or courses will be required to repeat that course. Students who fail a required course in math, science, social studies, English, business, or any course that is a prerequisite, must pass that course before moving to the next level.

All courses require a final average of 65 or better for successful completion of the course. If the student fails the Regents exam, school credit will be received for the course if the final average is 65 or over. If a student fails the course, but passes the Regents examination, the student must repeat the course in accordance with the existing policy.

The student will not pass the course by passing the final exam. Students repeating a science course must repeat the entire course including the laboratory requirements.

ART COURSES

REQUIREMENTS FOR A MAJOR SEQUENCE IN ART

Students may select major sequences from any of the sequences listed below and pass Regents examinations in subjects (see your school counselor) to obtain a Regents diploma.

Studio in Art	1 Credit
Drawing	.5 Credit
Painting	.5 Credit
Introduction to Photography	.5 Credit
Ceramics	.5 Credit
Graphic Design	.5 Credit
AP 2D Art and Design	1 Credit
Studio in Art 2	.5 Credit

STUDIO IN ART (1 CREDIT)

This is a foundation course and prerequisite for the art program; it is required of art majors and is open to all students. It acquaints students with the elements of art through basic design, drawing, ceramics, printmaking and painting. The principles of design are related to both two-dimensional and three-dimensional work. A wide variety of materials, techniques, and vocabulary are presented.

Prerequisite: None

DRAWING (.5 CREDIT)

Students will develop observational and technical skills in drawing. Students will be exposed to various Artists relative to class projects and actively participate in critiques. Students will learn about and use various drawing materials including graphite, charcoal, pen, and oil pastel. Class projects and outcomes will be a result of personal challenges, effort, and creative problem-solving. This course will create a strong foundation for other art electives including AP 2D Art and Design.

Prerequisite: Studio in Art

PAINTING (.5 CREDIT)

Students will develop observational and technical skills in painting. Students will be exposed to various Artists relative to class projects and actively participate in critiques. Students will learn about and use various painting materials including watercolor, acrylic, and oil paints. Class projects and outcomes will be a result of personal challenges, effort, and creative problem-solving. This course will create a strong foundation for other art electives including AP 2D Art and Design.

Prerequisite: Studio in Art

INTRODUCTION TO PHOTOGRAPHY (.5 CREDIT)

Students in this course will explore Photography. They will learn about the history of photography, famous photographers, cameras, and different styles of photography. Students will also gain exposure to the Art of Photography by taking their own photographs. They will learn about framing, composition, The Elements and Principles of Design, and how to manipulate images through Adobe Photoshop. Photography students will print their work for display, be entered into local and national competitions, and collaborate within the district on projects.

Prerequisite: Studio in Art

CERAMICS (.5 CREDIT)

Students will use skills to construct clay forms and learn glazing applications for enhancement. The course will also explore the elements of shape and form through the creation and development of 3D art works. Digital media will be used to enhance student's exposure to artistic process and research.

Prerequisite: Studio in Art



GRAPHIC DESIGN (.5 CREDIT)

Students in this course will learn about the field of Graphic Design. Students will gain exposure to the career and how Graphic Designers create works for various clients. The class functions as a working design agency with a wide variety of projects. Students will focus on design, along with how to make an artwork appealing for a specific target audience. Students will create logos, advertisements, postcards, fonts, labels (soda cans, candy boxes, etc.), record albums, posters, book sleeves, and more all while utilizing the Elements and Principles of Design. Students will utilize Adobe Photoshop to create their final pieces. When possible, the class will collaborate with local businesses or departments within the district to design projects.

Prerequisite: Studio in Art

STUDIO IN ART 2 (.5 CREDIT)

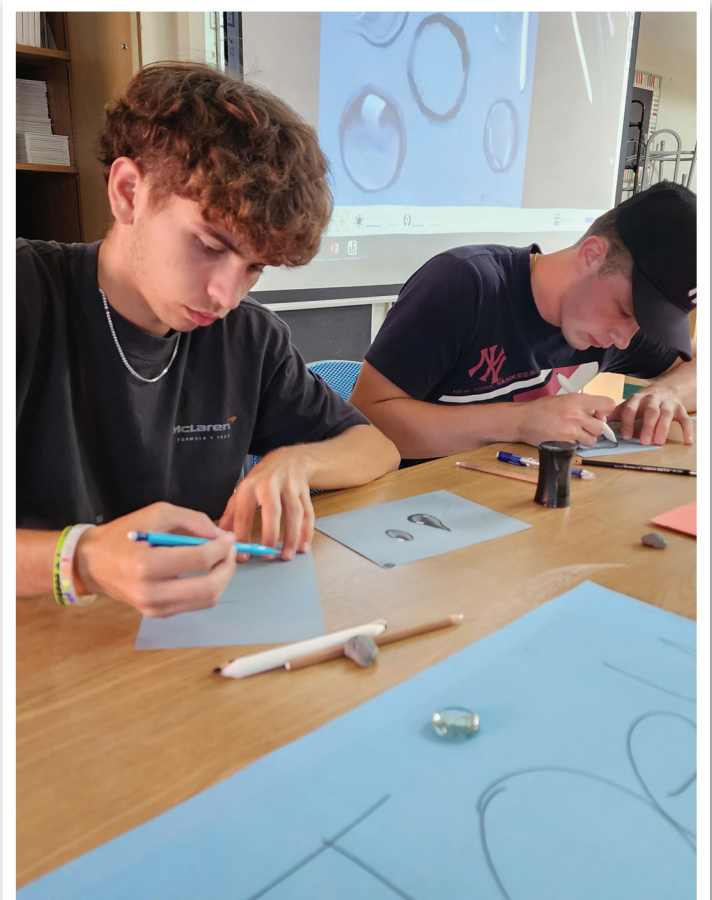
Studio in Art 2 is designed to continue student learning and engagement in the Visual Arts through art media, art history, and art criticism. This course will be an extension of Studio in Art. Lessons are designed building upon the knowledge acquired in Studio in Art. Students will be exposed to a variety of ways to create art including: drawing, painting, printmaking, photography, ceramics, and graphic design.

Prerequisite: Studio in Art

AP 2D ART AND DESIGN (1 CREDIT)**(Full year)**

Students in this course will continue to explore Photography, Drawing, Painting, and 2D design through this advanced level high school Art Course. Students will work on a long-term project (sustained investigation) that is self driven along with completing several projects to help build their final portfolio. Students may be able to earn college credits as well (as high school credit) through the submission of a portfolio as their AP exam in the spring. If students do not own a Digital SLR camera, there is one that they can borrow from the school for the course.

Prerequisite(s): Studio in Art and one of the following: Drawing, Painting OR Photography, or Teacher Recommendation



BUSINESS COURSES

In today's global economy, it is important that all students have knowledge of the economic and financial world in which they live. Business Education provides students with the foundation to pursue programs such as business administration, accounting, marketing/management, law, and finance. Many business courses provide students with the opportunity to develop computer skills necessary to be competitive in both college and the workplace. Students interested in pursuing a career in business or as an entrepreneur would benefit from completing the graduation pathway below. For more information, please talk to your school counselor.

Business Content-Specific Courses	Credits	Other Required Courses	Credits
Intro to Business	.5	Career and Financial Management (CFM)	.5
Business Math	1		
*Principles of Marketing	.5		
E-Commerce or Entrepreneurship	.5		
GEWEP: WBL Experience in Business Mgmt./ Entrepreneurship career field (this requires the completion of an internship)	.5		
Total:	3	Total:	.5
Total Credits in this Program of Study: 3.5**			

- *College agreement from HVCC for Principles of Marketing 3 credits
- TECHNICAL ASSESSMENT REQUIRED: Part I & II Written and Performance
- CDOS (Career Development and Occupational Studies) Commencement Credential is earned in this pathway in addition to the Career and Technical Education (CTE) Endorsement

CAREER AND FINANCIAL MANAGEMENT (.5 CREDIT)

This course is required in all 3 CTE Pathways

Students will learn how to navigate the post high school world through career and financial planning. In the career unit, students will learn how to write resumes, cover letters, and fill out job applications. In addition, they will learn about the interview process and the importance of communication skills.

Students will turn their skills and passions into a career path, by exploring the 16 different career clusters. In the finance unit, the students will master how to operate in the complex personal financial world. Topics include budgeting, fixed and variable expenses, the car buying process, renting vs owning a home, relocating to a new city, and insurance. The banking unit includes opening and maintaining checking and savings accounts. A credit unit explores credit scores and how to use credit and debit cards.

Prerequisite(s): For students in 10-12 grade

INTRODUCTION TO BUSINESS (.5 CREDIT)

An introductory class for Business electives and is recommended for 9th and 10th graders. Computer technology is regularly utilized within this class. Topics in this course will provide students with an awareness of the many facets of a modern business including: management, marketing, advertising, and legal/ethical issues. In addition, students will gain an appreciation for the importance of attendance, conduct, and personal appearance in business settings. Emphasis is placed on the importance of human relation skills, decision-making, and problem-solving.

Prerequisite(s): None

BUSINESS LAW (.5 CREDIT)

The study of business law will introduce students to our legal system, and court procedures. Students will develop a respect for and understanding of law as it affects their personal, family and occupational lives. Topics include: ethics, torts, contracts, warranties, consumer protection, bailments, insuring assets, employment, marriage, divorce, rental contracts, buying real estate, protection, credit, negotiable instruments, wills, and partnerships. Students may prepare and perform a mock trial. We will discuss current events and articles pertaining to everyday law. The use of law related videos and movies enhance the class.

Prerequisite(s): Student must be in grade 11 or 12



CHS PRINCIPLES OF MARKETING (.5 CREDIT)

This course provides students with an introduction to business marketing. Topics include the marketing mix, positioning, segmentation, target marketing, marketing research, brand building, logos and slogans, promotions and various advertising channels. Students will submit a final marketing project at the end of the course.

FEE: HVCC college credit fee will be collected if applicable for three credits

Prerequisite(s): Student must be in grade 11 or 12

COMPUTER LITERACY (KEYBOARDING) (.5 CREDIT)

This course emphasizes the skills and knowledge needed by students preparing for a career and/or college. Students will learn proper keyboarding techniques in order to improve their accuracy and speed. Google Suite will be used to create personal and business letters, memos, resumes, minutes, reports, fliers, newsletters, and tables. The Edtyping program is utilized for practicing keyboard skills. Chromebooks are required everyday.

Prerequisite(s): None

E-COMMERCE (.5 CREDIT)

The growth of the Internet continues to have a tremendous influence on business. Companies and organizations of all types and sizes are rethinking their strategies and how they run their operations. This course challenges students to explore the realities and implications of e-commerce, as a foundation for continual learning in the dynamic e-commerce environment. Students will focus on principles of e-commerce from a business perspective, providing an overview of business strategies such as selling, marketing, efficiency, social networking, mobile commerce, and legal and tax issues. Computer technology and project-based learning will be used to support and enrich the curriculum.

Prerequisite(s): Student must be in grade 10 - 12

ENTREPRENEURSHIP (.5 CREDIT)

In this course, students will gain an understanding of how to start and successfully run a small business. Over the course of the semester, students will develop a business model/plan which includes (but is not limited to) creating their own product/company, developing a logo and slogan, conducting market research, identifying target markets, and presenting their business model/plan as if they are on "Shark Tank." Students will learn about the impact of the economy on business, what it takes to be a successful entrepreneur, different types of business ownership, how to identify customers, marketing plan development, how to build customer relationships, methods for generating revenue, and much more! Concepts are taught utilizing project-based learning and practical application assignments.

Prerequisite(s): Successfully complete Introduction to Business

GENERAL EDUCATION WORK EXPERIENCE PROGRAM (GEWEP) (.5 CREDIT OR 1 CREDIT)

The Work Based learning (WBL) program offers the students real-world work experience in the form of paid and unpaid internships. Students will be able to work at a job site during the school day. Students age 16 and over may participate in the General Education Work Experience Program and earn ½ credit for every 150 hours worked. Students who elect to enroll in the program must have their job approved by a Certified Work Based Learning Coordinator and receive satisfactory job performance evaluations throughout the school year. In addition, students will meet once a week in class, to develop their employment skills.

Prerequisite(s): Student must be in grade 11 or 12 and successfully complete Career and Financial Management

ENGLISH COURSES

ENGLISH 9 (1 CREDIT)

In this full year course, skill building in the areas of reading, writing, speaking, and listening intensifies as students work to achieve Career and College Readiness by the end of grade 12. NYS Learning Standards and Curriculum will be emphasized. Literature will focus on novels, short story, short drama, poetry, and non-fiction to be studied both generically and thematically. Informational reading selections will also provide the background for writing informational pieces. Other types of writing emphasized in grade 9 include narrative, persuasive, and analytical. Research skills focus on effective note taking, paraphrasing, citing sources and writing a research paper according to MLA style. Standardized units of vocabulary are studied in addition to learning vocabulary through context. Students are expected to become more proficient in their use of punctuation, tense consistency, and sentence structure.

Students placed in English 9H will meet all the requirements for the English 9 program as well as study more advanced literature and vocabulary, and participate in discussions requiring advanced cognitive skills.

For placement in English 9H a student must have: 90% or higher average English 8 or a teacher recommendation from the grade 8 English teacher.

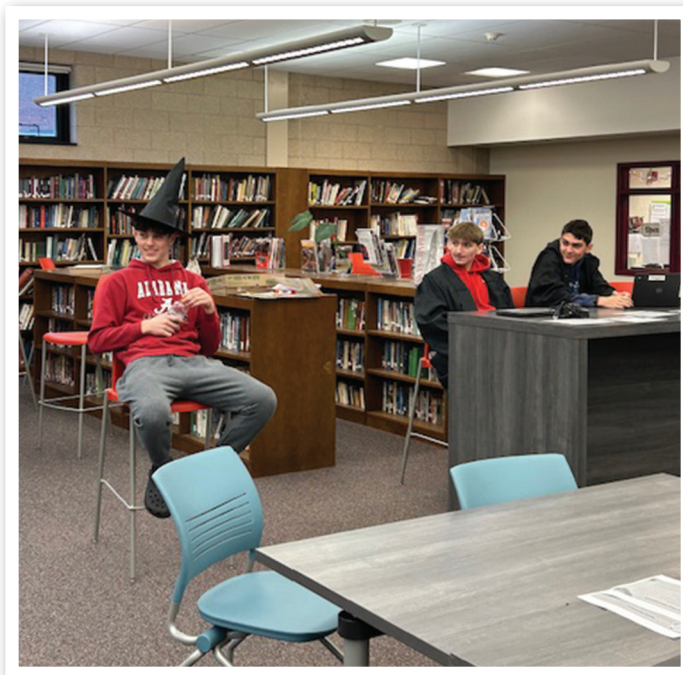
ENGLISH 10 (1 CREDIT)

In this full year course, students will explore a variety of learning strategies. Self-directed activities, teacher-guided lessons, and cooperative modes of instruction afford students many different opportunities to practice all the elements of language arts. Progress in writing, speaking, listening, and understanding literature and informational text continues throughout the 10th grade program. NYS Learning Standards and Curriculum will be emphasized. Activities and assignments related to the English Regents Examination are also an integral part of this course. The study of classic and modern literature with the emphasis on novel, short story, nonfiction, drama, and poetry will be approached generically and thematically. This study will also focus on the literary terminology relevant to each genre. Vocabulary enrichment continues through the ongoing study of literature. Students will also continue their development of the skills and style needed for effective expository and literary/analytical forms of communication. In addition to the consistent reinforcement of skills, emphasis will be placed on parallel structure, voice, sentence construction, punctuation, and agreement. Research skills will be reinforced and extended through student completion of a short research paper. Individual and group presentations are also included throughout the course.

Students placed in English 10H will meet all the requirements for the English 10 program, as well as study more advanced literature and vocabulary, and participate in discussions requiring advanced cognitive skills.

Prerequisite(s): Successful completion of English 9

For placement in English 10H, a student must have an 85% or higher average in English 9 Honors or 90% or higher in English 9 or teacher recommendation from the English 9 teacher.



ENGLISH 11 (1 CREDIT)

This full year course further develops and polishes student reading, writing, listening, and speaking skills. NYS Learning Standards and Curriculum will be emphasized. Students will take the NYS English Regents in June of the grade 11 year and will work on Regents type strategies and tasks throughout the year. Students will continue with the study of classic and modern literature with the emphasis on novel, short story, nonfiction, drama, and poetry which will be approached generically and thematically. This study will also focus on the literary terminology relevant to each genre. Informational text reading will be continued during the school year. Students will also continue their development of the skills and style needed for effective expository and literary/analytical forms of communication. Research skills will be reinforced and extended through student completion of a short research paper. Individual and group presentations are also included throughout the course.

Prerequisite(s): Successful completion of English 10

UHS ENGLISH 11 (1 CREDIT)

UHS English 11 is a full year course with an emphasis on students' further development of critical analysis and reading strategies through the study of a variety of genres and themes with a focus on American literature. In addition to literature, there will be an emphasis on students becoming skilled readers of prose written in a variety of rhetorical contexts as well as skilled writers who compose for a variety of purposes. Students will be involved in readings and written projects reflective of college level work at the freshman level.

Texts will include offerings such as *The Scarlet Letter*, *The Crucible*, *Black Boy*, *The Things They Carried*, *One Flew Over the Cuckoo's Nest* as well as essays and short stories.

Students will also be prepared for the June Regents and fall SAT Exam (verbal section). They will also complete an extended research task of their choosing as well as have numerous opportunities for presentations.

For placement in English 11 Honors a student must have: minimum passing average of 85% or better in English 10H, 90% or higher average for English 10, or a teacher recommendation from the grade 10 English teacher.

College credit is available for successful completion of the course through UHS programs (optional).

FEE: College Credit fee collected

**GRADE 12 SENIOR COURSES – OFFERED BASED ON ENROLLMENT****FULL YEAR COURSES:****UHS JOURNALISM (1 CREDIT)**

The first semester of this course provides an introduction to journalism and the mass media. It will help students become more informed about the media and introduce them to the major issues of journalism and media studies. Topics will range from media history and the economic structure of the industry to broad questions about the impact of media on individuals and society. Ethical and legal issues related to media practices in newspapers, magazines, radio, television, the internet and advertising will also be addressed. Students will be involved in reading non-fiction works by journalists and the final exam for the first semester of the course will be a research paper on Contemporary Journalism issues or famous journalists.

The second semester is an introduction to journalism writing. Students will develop the skills of reporting and news writing. They will also learn about news judgment and the worthiness of stories for the media well as learn the basic fundamentals of journalistic writing. Students will learn about sources and evaluate source credibility. Another component of the course will involve self-editing and revision as well as the use of the Associated Press Stylebook. A possible six credits are available through the University in the High School Program (UHS) (three for first semester, three for second semester).

For placement in Journalism a student must have successfully completed English 11 with a minimum grade of 80.

For grade 12 students and approved grade 11 students.

College credit is available for successful completion of the course through UHS program (optional).

FEE: College credit fee collected

HALF YEAR COURSES:**CREATIVE WRITING (.5 CREDIT)**

In this one-semester course, students will read a myriad of materials and produce work in four genres: creative non-fiction, the short story (fiction), children's picture book, and poetry. Students will read, discuss, and analyze both classic and contemporary materials in each genre and familiarize with the latest work of publishable merit. They will also practice workshop techniques in approaching these materials as well as their own. Students will individually produce unit projects for each of the four genres to submit to the class for discussion, which will culminate as a final grade for each 5 week marking period. There will also be a final exam at the end of the semester.

For grade 12 students and approved grade 11 students.

COLLEGE WRITING AND COMMUNICATION (.5 CREDIT)**Fall semester**

Students enrolled in this one semester course will work on a variety of writing and speaking assignments to prepare them for writing courses at the college level. **This course is for college-bound seniors.** The main focus of this class is to assist students in preparing essays for college applications and scholarships as well as goal setting and time management skills required for the first year of college. A significant emphasis will be placed on researching skills as well as oral presentations. Class members will work independently as well as in groups for class assignments. This performance/workshop course will offer experience in personal narrative writing, expository and persuasive writing techniques as well as practice in effective presentations through instructional technology.

Prerequisite(s): For grade 12 students and approved grade 11 students

HOLOCAUST HISTORY THROUGH LITERATURE (.5 CREDIT)

Through an examination of the historical period between 1933 and 1945 and a directed reading of selected full-length titles, students will become familiar with the scope, the tragedies, and the future implications of the Holocaust in Nazi Germany. Students will investigate the Holocaust roles thrust upon people as "oppressor," "victim," "bystander" and "rescuer," and explore the concepts of "spiritual resistance" as manifest in writings, diaries, journals, and poetry. Students will participate in the preparation and presentation of individual and group projects that exercise reading, research, and writing skills. Use of computers and videos will also be interwoven into the course curriculum and requirements. Guest speakers will be planned.

Prerequisite(s): For grade 12 students and approved grade 11 students

MODERN FICTION AND FILM (.5 CREDIT)

This one semester course will include the reading of short and full length works from the 20th and 21st century, including contemporary works and multicultural literature selections. In addition to reading a variety of texts, students will complete literature analysis writing assignments and individual and group projects focusing on the literature. Assessments will also include quizzes and tests. *Students will also view and analyze films that connect to the literature read in class.

Prerequisite(s): For grade 12 students and approved grade 11 students

MYTHOLOGY AND MODERN MAN (.5 CREDIT)

This one semester course will begin with the reading of ancient myths as a way of understanding the answers the ancients found for the questions they asked about their lives and world. Students will read both ancient and modern stories and compare them in order to learn how humanity's explanation for the mysteries of the world have changed or remained the same over the centuries. The four major units of the course are "The Creation," "The God-Teacher," "The Death of Innocence," and "Heroes and Monsters." Students will read a variety of texts, complete writing assignments and individual and group projects, and take quizzes and tests.

Prerequisite(s): For grade 12 students and approved grade 11 students

PUBLIC SPEAKING (.5 CREDIT)

Students who take this course will learn how to evaluate audience and purpose before writing and delivering speeches on a variety of topics. Students will evaluate classic speeches as well as write and deliver their own original speeches. Delivery techniques including voice projection, eye contact and physical poise will be practiced. Feedback from instructor and class members will be given. If you enjoy speaking in front of a group, you need this class! If you enjoying speaking in front of a group, this class will make your speeches more effective!

Prerequisite(s): For grade 12 students and approved grade 11 students

SCIENCE FICTION/FANTASY FICTION (.5 CREDIT)

This one semester course will include the reading of short and full-length works of science fiction and fantasy fiction including classic works and contemporary texts such as *Frankenstein* (Mary Shelley) and *The House of the Scorpion* (Nancy Farmer). In addition to reading, students will be watching select episodes of *The Twilight Zone* and the movie *Back to the Future*.

First, students will create a portfolio that combines visuals, creative writing, and real-world connections based upon *Frankenstein*. Secondly, they will create a variety of “Wanted” posters for characters of their choosing. Their final assessment will allow students to choose between creating their own sci-fi creature, developing the concept for their own dystopian world, and ideating and modeling a time machine. The three major units are “Science Fiction and Societal Issues,” “Dystopia,” and “Time Travel.”

Prerequisite(s): For grade 12 students and approved grade 11 students

**WOMEN IN LITERATURE AND FILM (.5 CREDIT)**

Women in Literature and Film is a course for students who want to read compelling literature and view a variety of films that focus on the experience of girls and women. Students will examine contemporary novels, short stories, poetry and films, including Disney productions, that express female voices from various cultures and social backgrounds, as well as depict the archetypes (“typical” examples) of women in society. Students will participate in small group discussions, writing exercises and creative projects that relate to the themes presented in the literature. The course also examines current issues affecting women (and men) and provides opportunities for personal reflection and goal setting. Students will learn more about themselves as they hone their communication skills and explore female characters and authors.

For grade 12 students and approved grade 11 students



FAMILY & CONSUMER SCIENCES COURSES

Family and Consumer Sciences Education (FACS) offers courses that provide students with real world learning opportunities. The purpose of our program is to prepare our students to be competent, confident and caring in managing their personal, family and work lives. It is designed to meet the needs of students interested in careers in human services, education, family services, social work, and food and nutrition.

Students may take courses for elective credit, or choose to complete a five-unit sequence as part of the requirements for an Advanced Regents Diploma. Students may earn a five-unit sequence in one of the following Family & consumer Sciences (FACS) sequence areas:

- Culinary Arts
- Family and Consumer Sciences (FACS) Exploration

It should be noted that for students earning a five-unit sequence in Family & Consumer Sciences:

- Business Math meets the SED criteria for the 3rd unit of math for regents and local diploma students.
- Fashion and Interior Design (Personal Design Technology) meets the SED criteria for 1 unit of Art/Music.

In order to receive a five-unit sequence in any CTE area students must take and pass:

- Career & Financial Management

REQUIRED FOR CULINARY ARTS SEQUENCE:

FOOD AND NUTRITION ACROSS THE LIFESPAN - CULINARY I
(.5 CREDIT)

(Food and Nutrition Core)

This class is open to students in grades 10-12

Seventy-five percent of this course will include the preparation of nutritious food products. The following topics are covered: Role of Food in the Body; Nutrition and Physical Fitness (ideal body weight, food facts and fallacies); Skills & Techniques of Food Preparation (Microwave ovens, cutting tools, portable electrical appliances purchasing food); and Career Exploration.

Culinary arts is recommended for students whose interests or career goals include nutrition, healthy living, dietetics, sports medicine, culinary arts child care, education, psychology, counseling, social work, childcare, nursing or parenting.

Prerequisite(s): For students in grades 10-12

FOOD AND NUTRITION ACROSS THE LIFESPAN - CULINARY II
(.5 CREDIT)

(Food Preparation & Nutrition)

This class is open to students in grades 10-12

This advanced course builds on the foundations from Culinary Arts 1, giving you the opportunity to refine your techniques, enhance your skills with the different cooking methods, and gain confidence in the kitchens. Hands-on food labs will reinforce principles of healthy eating while challenging you to prepare meals that could be served in a restaurant-quality setting. Whether you're passionate about cooking, interested in nutrition and healthy living, or considering a future in fields like dietetics, sports medicine, hospitality, or the culinary industry, this course offers valuable real-world skills and a deeper appreciation for the art and science of food.

Prerequisite(s): Culinary Arts 1

CULTURAL FOODS (.5 CREDIT)

This course takes you on a culinary tour of the world. In this lab-oriented course, students will explore the impact of culture, geography, and climate on food choices and customs of different regions and countries of the world. You will do this by working with culture specific foods and preparation techniques. Students will prepare traditional dishes from each culture studied.

Prerequisite(s): Culinary Arts 1

GOURMET FOODS (.5 CREDIT)

Gourmet Foods emphasizes creativity and presentation in food preparation. This course, through hands on experience (food labs) and the use of specialized equipment you will learn advanced food preparation techniques and the importance of food appearance and presentation. Careers related to food photography, food journalism and food styling will be explored.

Prerequisite(s): Culinary Arts 1 and Culinary Arts 2

FASHION AND INTERIOR DESIGN (1 CREDIT)

If clothes, fashion, architecture and interior design interest you, this is a course you will not want to pass up. You will have the opportunity to explore and investigate various aspects of design from historical styles to current fads. Further, you will understand the art of clothing design and construction by creating your own garment using basic clothing construction skills. Using the elements and principles of design students will plan, design and decorate their own dream home. Students will need to purchase supplies (pattern, thread, material) to make their own personal garment.

Prerequisite(s): None

NOTE: Also known as Clothing & Textiles Core, Housing & Environment Core.

This course may be taken to meet the SED criteria for one unit of Fine Arts.

**CHS CHILD DEVELOPMENT (.5 CREDIT)**

This course relates to careers in human services and education and your future as a parent. Child Development focuses on the physical, emotional, intellectual, and social development of infants, toddlers, and preschoolers as well as children with special needs. Students will learn the essential elements of daily care, guidance, discipline, and educational and social concerns for children from birth to age five. The use of videos, child visitation days, class discussions, guest speakers, and projects will enhance the learning experience. There are 30 required hours of observation of children.

FEE: HVCC college credit fee will be collected if applicable for three credits

Prerequisite(s): 11th and 12th grade

CAREERS IN HUMAN SERVICES (.5 CREDIT)

Are you interested in making a difference in people's lives? Whether it's working with children, teens, adults, or the elderly, this course offers a deep dive into the growing field of Human Services. Students will learn how professionals help individuals and families navigate challenges related to health, relationships, poverty, crisis, aging, and more. Students will also examine how various community agencies support people in need and gain insights into real-world careers in counseling, social work, family services, youth programs, elder care, and more. Expect to engage in meaningful discussions, hands-on projects, and learn directly from guest speakers and professionals in the field.

FOOD SCIENCE (.5 CREDIT)**This class is open to students in grades 10-12**

Get ready to explore the science behind the food you eat! This hands-on, lab-based course blends food, chemistry, and experimentation to uncover what really happens when ingredients come together. Unlike a traditional cooking class, you won't just be following recipes, you'll be exploring them. Students will still have the hands-on experience of preparing food in the kitchen setting but instead of following recipes, the focus will be on the experiment of the different foods and ingredients. You'll still get time in the kitchen. Instead of focusing on culinary skills alone, you'll take on the role of a food scientist like asking questions, testing hypotheses, and analyzing results. If you're curious about why bread rises, how emulsions work, or what makes candy crystalline or chewy, this is the class for you. This class is open to students in grades 10-12

Students may complete their five-unit sequence in FACS Exploration by taking a course in any other CTE sequence. It is recommended that the student choose a course closely related to their future career plans.

MATHEMATICS AND COMPUTER SCIENCE COURSES

Three credits of high school math and a grade of at least 65 on one Math Regents Exam are one component that makes a student eligible for a Regents diploma. The local diploma requires passing a Math Regents exam with a score of 55 or better.

ADVANCED REGENTS DIPLOMA

Three credits of high school math and a grade of at least 65 on the three Math Regents Exams are one component of making a student eligible for an Advanced Regents Diploma.

CALCULATORS

Graphing calculators are required on the Algebra I, Geometry, and Algebra II exams. It is recommended that students purchase their own calculators. Graphing calculators will be available for student use during the day. Students wishing to own a graphing calculator are strongly encouraged to purchase the TI-84 Plus, as this is the model most teachers will be using for demonstrations in the classroom.

MATH COURSE FLOWCHARTS FOR RCS HIGH SCHOOL

The following charts serve as a resource for students in selecting a four-year sequence of math courses

CHART 1			CHART 2			CHART 3				
GRADE			GRADE			GRADE				
9	ALG I		9	GEO		9	ALG IA			
10	GEO	INT GEO	10	ALG II	ALG IIA	10	ALG IB			
11	ALG II	INT ALG	11	UHS PRE-CALC	ALG IIB	11	INT GEO			
12	UHS PRE-CAL	AP/UHS STATS	BUSINESS MATH	12	AP/UHS CAL	AP/UHS STATS	BUSINESS MATH	12	INT ALG	BUSINESS MATH

ALGEBRA I (1 CREDIT)

This is a full year course designed to meet the NYS Standards for Algebra I. Students will explore a variety of topics within algebra including linear, exponential, quadratic, and polynomial equations and functions. Students will achieve fluency in solving linear and quadratic equations as well as with manipulation of polynomials using addition, subtraction, multiplication, and factoring. Students will understand the key differences between linear and exponential functions. Students learn to model problems using algebra, functions, sequences, and statistics. The Regents Exam in Algebra 1 is taken in June. (A graphing calculator will be used in this course).

Prerequisite(s): Math 8 with a final grade 70 or higher

ALGEBRA IA (1 CREDIT)

This is an Algebra-based program designed for students who need to cover this material at a slower pace. Students will explore a variety of topics within algebra including properties, expressions, equations, inequalities, functions, sequences, and systems of equations. The slower pace will allow students to analyze the material in greater depth and provide increased time for processing information. Students learn to model problems using algebra, functions, and sequences. This course is aligned to the NYS Next Generation Learning Standards for Algebra I. A departmental final will be taken at the completion of the course in June. (A graphing calculator will be used in this course).

Prerequisite(s): Math 8

ALGEBRA IB (1 CREDIT)

This is an Algebra-based program designed for students who need to cover this material at a slower pace.

Students will explore a variety of topics within algebra including exponents, polynomials, quadratics, rational/irrational numbers, and statistics. The slower pace will allow students to analyze the material in greater depth. Students learn to model problems using algebra, functions, sequences, and statistics. This course is aligned to the NYS Next Generation Learning Standards for Algebra I. The Regents Exam in Algebra 1 is taken in June. (A graphing calculator will be used in this course).

Prerequisite(s): Pass Algebra IA or a grade of 55-64 in Algebra I

GEOMETRY (1 CREDIT)

This is a one year Geometry based program designed to meet the NYS Standards for Geometry. Topics of study include, but are not limited to, an introduction to coordinate geometry, transformational geometry, solid geometry, quadrilaterals, measurement and modeling, constructions, trigonometry of the right triangle, quadratic equations and the quadratic formula, algebraic fractions, and circles. A major part of the course will cover all types of geometric proofs including Euclidean geometry, coordinate geometry, and circles. The Geometry Regents will be taken in June. (A graphing calculator will be used in this course)

Prerequisite(s): Pass Algebra and the Regents Exam in Algebra I

INTERMEDIATE GEOMETRY (1 CREDIT)

This is a one year Geometry based program designed to meet many of the NYS Standards in Geometry. This course will mirror many of the topics taught in the Regent's level Geometry course in a little less depth. Topics of study may include, but are not limited to, an introduction to coordinate geometry, transformational geometry, solid geometry, locus and constructions, trigonometry of the right triangle, quadratic equations and the quadratic formula, algebraic fractions, and circles. An introduction to Euclidean Geometry and coordinate geometry proofs will also be an essential part of this course. A departmental final will be given in June. (A graphing calculator will be used in this course).

Prerequisite(s): Pass Algebra or Algebra IA/Algebra IB

ALGEBRA II (1 CREDIT)

This is a full year course designed to meet the NYS Standards for Algebra II. Students will expand their understanding about functions by learning about polynomial, logarithmic, and trigonometric functions. These new functions along with linear, quadratic, and exponential, will be used to model a variety of real world phenomena. Polynomial and rational algebra is also extensively covered, along with the study of topics in Probability and Statistics. The Regents Exam in Algebra II is taken in June. Passing this exam is a requirement for an advanced Regents Diploma. (A graphing calculator will be used in this course).

Prerequisite(s): Pass Algebra/Algebra I Regents and Geometry/Geometry Regents with a final grade of 75 or higher in BOTH courses or teacher recommendation

ALGEBRA IIA (1 CREDIT)

In this course, students will learn about a variety of advanced topics in algebra at a slower pace. Students will expand their understanding of algebra by learning about Linear functions and systems, Quadratic functions, polynomials, exponents/logarithms, and square root/exponential functions. These new functions will be used to model a variety of problems, including compound interest, growth and decay, and projectile motion. A departmental final will be taken at the completion of the course in June. (A graphing calculator will be used in this course).

Prerequisite(s): Pass Algebra I/Algebra I Regents and Geometry/Geometry Regents

ALGEBRA IIB (1 CREDIT)

In this course, students will learn about a variety of advanced topics in algebra at a slower pace. Students will expand their understanding of algebra II by learning about Sequences and series, trigonometric functions, probability, and statistics. Advanced work in probability is included that focuses on the use of conditional probability. Extensive statistics work is done to help students understand how population parameters can help to infer properties about populations. The Regents Exam in Algebra II is taken in June. Passing this exam is a requirement for an advanced Regents Diploma. (A graphing calculator will be used in this course).

Prerequisite(s): Pass the Algebra IIA

INTERMEDIATE ALGEBRA (1 CREDIT)

This course may be used as a third or fourth year math course for students who may not be pursuing an Advanced Regents Diploma. It will mirror many of the topics taught in the advanced Regents level Algebra II course in a little less depth. Topics will include, but are not limited to, the real and complex number systems, conic sections, exponential and logarithmic functions, trigonometry, sequences and series, probability, and statistics. A department final will be taken at the completion of this course in June. (A graphing calculator will be used in this course).

Prerequisite(s): Pass one course in Algebra and one course in Geometry

UHS PRE-CALCULUS (1 CREDIT)

This course covers the study of topics such as two and three dimensional analytical geometry, vectors, limits, polar coordinates, properties, graphing techniques and applications of polynomial, rational, exponential, logarithmic, and trigonometric functions, determinants, and matrices. Students planning to take the AP/UHS calculus course should elect this course. A departmental exam is taken at the completion of this course in June.

Prerequisite(s): Pass the Algebra II course and pass the Regents Exam Algebra II

FEE: College credit fee collected by State University of New York at Albany (optional)

AP/UHS CALCULUS (1 CREDIT)

Colleges may grant credit or advanced standing for successful completion of this course. The content involves differential and integral calculus – including limits, continuity, derivatives of implicit and explicit algebraic functions, as well as, logarithmic and trigonometric functions. Applications of the derivative and integral include curve sketching, area under a curve, and volume. All students taking this course are required to take the Advanced Placement exam in May. There will be a local final given in May.

Prerequisite(s): Pass UHS Pre-calculus

FEE: College credit fee collected by State University of New York at Albany (optional)

AP STATISTICS (1 CREDIT)

This is an advanced placement course in math. Students will be exposed to 4 broad conceptual themes. (1) Exploring data: observing patterns and departures from patterns, (2) Sampling and Experimentation: planning and conducting a study, (3) Anticipating Patterns: exploring random events using probability and simulation, (4) Statistical Inference: Confirming models. This course

is designed to be taken either as an alternative to AP Calculus or in addition to it. Students taking this course are required to take the AP Exam in May. There will be a local final given in May.

Prerequisite(s): for Grade 12 students who have passed the Algebra II course and passed the Regents Exam in Algebra II

FEE: College credit fee collected by State University of New York at Albany (optional)

BUSINESS MATH (1 CREDIT)

This course is designed to help students learn to calculate and apply mathematical concepts in a business setting. This includes: teaching how to calculate payroll, managing personal and business budgeting, sales coupons, interest rates, insurance premiums, and profit/loss statements. The students will also gain basic proficiency with Google Sheets (MS Excel).

Prerequisite(s): Student must be in grade 11 or 12

ADDITION OF TWO COURSES :**CHS MATHEMATICS FOR HEALTH SCIENCES (.5 CREDIT)**

This course emphasizes mathematical fundamentals and their application to health science. Topics may include, but are not limited to: pre-algebra, geometry, body mass index and surface area, 24-hour time, drug dosages, weights and measures, IV drip rates, conversions, illustrations of syringes, prescriptions, medication labels and IV bags, the metric system, ratio and proportion and dosage calculations. Students will practice real-life health care skills that require mathematics. A scientific calculator is required and will be discussed at the first class. 4 college credits are available through the Hudson Valley Community College CHS program for successful completion of this course.

Prerequisite(s): Pass one course in Algebra and one course in Geometry

CHS MATHEMATICS FOR TEACHING AND LEARNING (.5 CREDIT)

This course is recommended for students entering any teaching field involving mathematics, including early childhood, childhood, middle childhood, and adolescent education. It emphasizes the mathematics treatment of the fundamental concepts of problem solving, reasoning, arithmetic, numeration systems, number theory, and developmentally appropriate strategies and activities as they relate to the current learning standards in mathematics. Appropriate use of technology will be incorporated. A scientific calculator is required and will be discussed at the first class. 3 college credits are available through the Hudson Valley Community College CHS program for successful completion of this course.

Prerequisite(s): Pass one course in Algebra and one course in Geometry

MUSIC COURSES

The music department offers students a variety of curricular opportunities in both performance and knowledge based classes. Three and five credit sequences are available as follows:

3 credits	2 performances (i.e. band and/or chorus)	+ 1 knowledge
3 credits	2 knowledge (i.e. history and theory)	+ 1 performance
5 credits	3 performances	+ 2 knowledge

Classes may be taken in satisfaction of Regents requirements exclusive of sequential listings.

HIGH SCHOOL BAND (1 CREDIT)

This full year course presents the elements and structure of music through the study, rehearsal, and performance of representative instrumental literature of varying styles and from different historical periods. The class meets daily for the entire year, and in addition, requires one group lesson (one period) per week.

Prerequisite(s): At least one year of instrumental experience with the recommendation of the middle school instrumental director or approval of the instructor

HIGH SCHOOL CHORUS (1 CREDIT)

This full year course presents the elements and structure of music through the study, rehearsal, and performance of representative vocal literature of varying styles and from different historical periods. The class meets daily for the entire year, and in addition, requires one group lesson (one period) per week.

Prerequisite(s): At least one year of choral experience with the recommendation of the middle school choral director or approval of the instructor

HIGH SCHOOL BAND AND HIGH SCHOOL CHORUS (1 CREDIT, TOTAL)

These two courses run concurrently and allow the student to participate in both high school band and high school chorus. Participation will be divided equally between band and chorus. Course contents and requirements are the same as high school band and high school chorus. One group lesson per week, per ensemble, will be required.

Prerequisite(s): At least one year of instrumental and choral experience with the recommendation of the middle school instrumental and choral directors or approval of instructors

*In order to earn a credit in Band and/or Chorus, students must participate in required concerts and festivals as scheduled.

UHS MUSIC HISTORY AND LITERATURE (1 CREDIT)

This course is taught in alternating years, in tandem with Music Theory.

This full year course is designed to provide the student with an overview of the history of Western music. The course will cover the primary musical eras through a critical examination of the significant musical characteristics, genres, works, figures, events, etc. within the historical, social, and political climate of each time period. There will be a focus on learning to analyze, appreciate and recognize distinct styles of music with sharpened reading and listening skills. A local exam will be given at the end of the course. Although this course has been created for all students with an interest in musical study, it is highly recommended for students planning a career in music. College credit is available for successful completion of the course through UHS programs (optional).

Prerequisite(s): One year of band and/or chorus with the ability to read music or approval of the instructor

UHS MUSIC THEORY (1 CREDIT)

This course is taught in alternating years, in tandem with Music History and Literature.

This full year course is designed to teach the language of music. The course will cover the elements, structure, and notation of music, including aspects of history and style, as well as composition, conducting, ear training, and keyboard harmony. A local exam will be given at the end of the course. Although this course has been created for all students with an interest in musical study, it is highly recommended for students planning a career in music. College credit is available for successful completion of the course through UHS programs (optional).

Prerequisite(s): One year of band and/or chorus with the ability to read music or approval of the instructor

APPLIED MUSIC (.5 CREDIT)

Students taking lessons outside of school from a qualified instructor may receive credit in applied music. The student must acquire the appropriate forms from the music department and must submit quarterly practice and lesson reports. The student will be required to demonstrate proficiency through performance – NYSSMA Solo Festival participation is recommended.

Prerequisite(s): One year of previous private study

PHYSICAL EDUCATION AND HEALTH COURSES

Each student must earn 2.0 credits of physical education for graduation. A student earns ½ credits for each year of physical education. A varied program is offered with emphasis on: lifetime activities, improving health related fitness, creating a safe and healthy environment, and being aware of community resources.

Physical Education is required for graduation. Students must successfully pass Physical Education each semester of their four years in high school as well as meet all NYS Standard requirements. Success is based primarily on active participation. Students who fail Physical Education must take double P. E. classes every year until they attain the correct number of credits.

PHYSICAL EDUCATION (.5 CREDIT)

During the four years of physical education at the high school, students have the opportunity to participate in activities. These activities are centered around lifetime fitness, cooperative concepts and gaining the necessary knowledge to make healthy choices.

In order to successfully complete each semester, students will be assessed on active participation and content knowledge of each unit. Students will also complete physical fitness testing at least twice a year to determine their current level of fitness in flexibility, muscular strength, muscular endurance, cardiorespiratory endurance and body composition.

Prerequisite(s): None

PERSONAL FITNESS/STRENGTH AND CONDITIONING (.5 CREDIT)

This is open to students in grades 11-12

Students will have access to the weight room and auxiliary gym during a PE period. This course will implement various exercises such as weight lifting, crossfit, and personal workouts. Diet, nutrition and anatomical subject matter will be addressed as well during this course.



HEALTH (.5 CREDIT)

This class is open to students in grades 10-12

Each student must earn .5 credit of health for graduation

Health is a mandated course designed to help students gain the 21st Century skills necessary to remain safe and healthy throughout their lives. Students will experience skill building in Communication, Relationship Management, Decision Making, Planning and Goal Setting, Stress Management, Advocacy, and Self-Management and have the opportunity to apply these skills to practical issues including Alcohol/ Tobacco/ Drugs, Family life/Sexual Health, Parenting, HIV/ AIDS, Sexual Risk, Physical Activity & Nutrition, Injury and Violence Prevention, hands-only CPR.

Prerequisite(s): None

R.A.D. PHYSICAL EDUCATION (.5 CREDIT)

In this course, designed for female students, students will be introduced to various self-defense techniques and training. They review self and environment awareness, as well as work on a variety of self-defense methods and practices. This is a hands-on course that is open to female students in grades 11 and 12.

UNIFIED PHYSICAL EDUCATION CLASS (.5 CREDIT)

This class provides students with a unique opportunity for students of all abilities to come together through physical education work and activities. This class will be structured around the national physical education standards and grade-level outcomes, which helps students gain the knowledge and skills necessary to maintain a healthy lifestyle through fitness and health education. Students will utilize teamwork to increase proficiency and confidence in a variety of physical activities. Through ongoing leadership opportunities, members of this course will be empowered to help create a more inclusive and accepting school environment for all students.

SCIENCE COURSES

In order to meet the graduation requirement in science, students must take and pass (65 or higher) the following:

REGENTS DIPLOMA	ADVANCED REGENTS DIPLOMA
1 Physical Setting Course	1 Physical Setting Course
1 Life Science Course	1 Life Science Course
1 Regents Exam - Physical Setting or Life Science: Biology	2 Regents Exams - Physical Setting or Life Science: Biology
1 Additional Science Course	1 Additional Science Course

The following charts serve as a resource for students in selecting a four-year sequence of science courses

CHART 1	CHART 2	CHART 3
8th Earth and Space Sciences	9th Earth and Space Science (R)	9th Earth and Space Science (R)
9th Life Science: Biology (H)	10th Life Science: Biology (R)	10th Life Science: Biology (R)
10th Chemistry (H)	11th Chemistry (R)	11th Environmental or Forensics
11th AP/UHS Biology or Physics (R)	12th Physics (R) or Environmental or Forensics	12th Forensics or Environmental
12th Physics or AP/UHS Biology (Others recommended: Anatomy and Microbiology)	(Others recommended: Anatomy and Microbiology)	

The New York State Regents Laboratory Requirements in Science

The New York State Board of Regents mandates that all students successfully complete 1,200 minutes of laboratory work in addition to their work in any Regents Science class. The deadline for the completion of these labs is the first Monday of June. Failure to complete 1,200 minutes of passing lab work results in the student being ineligible to take the Regents exam.

EARTH AND SPACE SCIENCE-R (1 CREDIT)

This full year course is the recommended course for 9th grade science students. It satisfies the physical setting requirement for students. Topics covered include: history and structure of the earth, rocks and minerals, topographic maps, atmospheric conditions, solar system, glaciers, and volcanic action. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take and pass the Regents exam given in June. Students who do not pass the Regents exam in June will be expected to take the exam again in August.

Prerequisite(s): None

LIFE SCIENCE: BIOLOGY R-H (1 CREDIT)

This full year Regents course is an honors version of Life Science Biology-R and is designed to meet the needs of students who may plan on a career in science. It satisfies the Life Science: Biology Regents requirement for students. The course covers many of the same topics as Biology-R, but does so at a faster pace and in more depth. Students in this course will be expected to do extended writing assignments such as laboratory reports and research papers. It serves as a preparatory course for AP/UHS Biology. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take the Regents exam given in June.

Prerequisite(s): A minimum course average of 85 in Earth Science and score of 85 or higher on ESci Regents exam or recommendation of a science teacher



LIFE SCIENCE: BIOLOGY-R (1 CREDIT)

This full year Regents course is the recommended course for all 10th grade science students. It satisfies the Life Science: Biology requirement for students. This course focuses on the relationships of structure and function, the similarities and interactions of living things, and the maintenance of homeostasis. It is an intensive study, which includes the areas of biochemistry, cell structure, cell processes, genetics, biotechnology, evolution, human physiology, and ecology. The laboratory experiences will stress the scientific process and provide a means of developing techniques in the use of laboratory equipment. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take and pass the Regents exam given in June.

Prerequisite(s): Students must have completed Earth Science

CHEMISTRY R-H (1 CREDIT)

This full year Regents course is an honors version of Chemistry R and is designed to meet the needs of students who may plan on a career in science. It may fulfill or add to the physical setting requirements in their science sequence. The course covers many of the same topics as Chemistry R, but does so at a faster pace and in more depth. Students in this course will be expected to do in-depth laboratory assignments and mathematical analysis of data. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take the Regents exam given in June.

Prerequisite(s): A minimum course average of 85 in Life Science: Biology and a score of 85 or Higher on the Biology Regents exam, or recommendation of a science teacher

CHEMISTRY R (1 CREDIT)

This full year Regents course is intended for 11th and 12th graders to fulfill or add to the physical setting requirements in their science sequence. It is strongly recommended for all students who plan on attending college. This course is concerned with the chemical nature of matter and the changes in which this matter is involved. An understanding of atomic structure and the nature of chemical bonds is fundamental to this course. Students need a solid mathematical background as a majority of the course consists of applied mathematics. There is a strong emphasis on the laboratory program, in which the student teams with peers and learns to manipulate various types of apparatus. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take the Regents exam given in June.

Prerequisite(s): Average of 75 or higher in and passed the state exams for Regents Living Environment and Algebra, or recommendation of science teacher

PHYSICS R (1 CREDIT)

This full year Regents course is a third or fourth year science course recommended for any student who intends on pursuing any college degree. This course uses the New York State Syllabus as its foundation and expands its topics based on current research and developments in the scientific community. Topics covered include, but are not limited to: kinematics (1-D and 2-D motion), dynamics (the causes and effect of forces and motion), electricity (static and current), magnetism, wave phenomenon, optics, lasers, and modern theories. Other topics such as thermodynamics, radioactivity, and superconductivity are added as student interest and time allow. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. To receive credit for this course, all students must successfully complete the laboratory requirement and take and pass the Regents exam given in June.

Prerequisite(s): Students must have completed two previous sciences (one Life Science: Biology and one Physical Science) and Geometry with an average of 75 or higher, or recommendation of science teacher

AP / UHS BIOLOGY (1 CREDIT)

This full year course is a third or fourth year science elective recommended for any student who intends on pursuing a college degree. UHS Biology covers content in four general areas: 1. Molecules and Cells, 2. Heredity and Evolution, and 3. Organisms and Populations and 4. Organisms and Populations. The two main goals of UHS Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. All students must take a final exam in May. Students must also complete a final research project by June. To receive University in High School credit, students must complete the class with an average of 70 or higher.

FEE: College credit fee collected by University at Albany (optional)

Prerequisite(s): Life Science: Biology-R or Life Science: Biology R-H with a grade of 85 or higher and Chemistry R or Chemistry R-H with a grade of 75 or higher, or recommendation of science teacher

UHS CHEMISTRY (1 CREDIT)

UHS Chemistry provides an orderly development of the fundamental concepts and principles of chemistry with an emphasis on inquiry and critical thinking skills. Topics of study include: structure of matter, states of matter, chemical reactions, and descriptive chemistry. Laboratory work is an integral component of this course. Technology including graphing calculators, probeware, graphing and data analysis software, and chemistry apparatus is used throughout this course. The course requires a working knowledge of chemistry, and second-year algebra. The breadth, pace, and depth of material covered exceeds the standard high school chemistry course, as does the college-level textbook, laboratory work, and time and effort required of students. Students will prepare for and are expected to take a UHS Chemistry final exam at the end of each semester. UHS credit (8 credits) will be available through University at Albany.

FEE: College credit fee collected by University at Albany (optional)

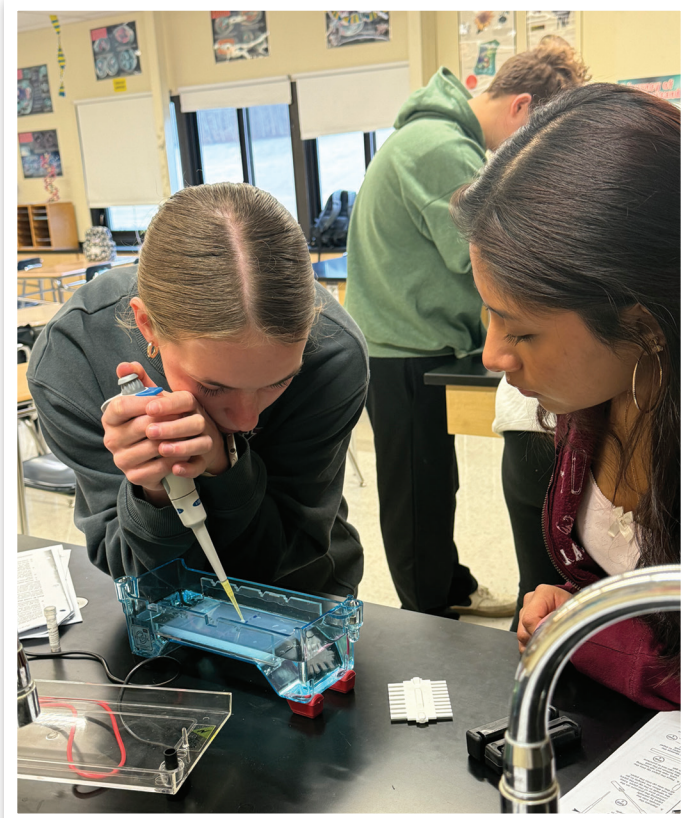
Prerequisite(s): A final average and Regents exam score of 85 or higher in Life Science: Biology and Chemistry. Successful completion of Algebra II course and Regents exam or current enrollment in Pre-Calculus, or recommendation of science teacher

AP PHYSICS 1 (1 CREDIT)

This is a study of Physics for the science-oriented college preparatory student. AP Physics 1 is a college level course that provides systematic introduction to the main principles of physics and emphasizes conceptual understanding and problem solving ability using algebra and basic trigonometry. Topics covered range from Newtonian mechanics to Rotational Dynamics to electrostatics to Circuits, and Mechanical Waves. This course will be fast paced and will require students to be self motivated and self assess their own learning. What you learn one day will lay the groundwork for what you learn the next, so a genuine effort must be sustained for the entirety of the course. Students will prepare for and are expected to take the AP Physics 1 exam in May and the Regents exam in June.

No course fee. District will pay for AP Exam.

**Prerequisite(s): A final average and Regents exam score of 85 or higher in Life Science: Biology and Chemistry. Successful completion of Algebra II course and Regents exam or current enrollment in Pre-Calculus, or recommendation of a science teacher*



FORENSIC SCIENCE (1 CREDIT)

This full year non-Regents course is intended to be a fourth year science course (but may be a third year, if recommended) for students that have satisfied the Life Science: Biology, a Physical Setting and a third science course. Concepts introduced in previous biology and physical science courses will be applied and the unifying principles of forensic science will be introduced. In summary, this class is an overview of the disciplines that comprise the forensic sciences. Evidence topics include but are not limited to evidence collection, microscopy, entomology, hair, fibers, fingerprints, counterfeiting, serology, soils, glass, paint, toxins, anthropology, and arson. Students will be required to participate in discussions and complete a portfolio of work including laboratories and case study reports. A locally-developed mid-term and final exam will be administered.

Prerequisite(s): Student must be in grade 11 or 12 and have passed Biology-R and Earth Science-R as well as one Regents exam in either of those courses, or recommendation of science teacher

ENVIRONMENTAL SCIENCE (1 CREDIT)

This full year non-Regents course is the recommended course for 11th and 12th grade students who need to complete a third year of science for graduation. Ecological and environmental concepts that were introduced in Regents biology will be explored at a deeper level. This course focuses on the relationships and interactions within the major groups of plants and animals. It is a hands-on study of the environment. Students will conduct a wide variety of activities in the greenhouse and examine how humans impact the other living organisms around them in both positive and negative ways. A locally-developed mid-term and a final exam will be administered

Prerequisite(s): Student must be in grade 11 or 12 and have passed Biology-R and Earth Science-R as well as one Regents exam in either of those courses, or recommendation of science teacher

HALF YEAR COURSES:

INTRODUCTION TO MICROBIOLOGY (.5 CREDIT)

Introduction to Microbiology introduces the basic principles of microbiology examining the microbes that inhabit our planet and their effect on the biosphere. Students will analyze the influence of microbiology and 21st century challenges and opportunities that arise from our changing relationship with and understanding of microbes.

Prerequisite(s): Students must be either a junior or senior and must have completed one year of Earth Science and passed both the Life Science: Biology course and Regents exam, or recommendation of science teacher

SCIENCE



INTRODUCTION TO HUMAN ANATOMY AND PHYSIOLOGY (.5 CREDIT)

Human Anatomy and Physiology is a course that gives students the opportunity to learn more about the structures and functions of the human body, providing a foundation for students interested in continuing with additional studies in this field. Topics covered will include the basic organization of the body and major body systems along with the impact of diseases on certain systems. Students will learn through reading, video lessons, case studies, collaborative group work, and interactive notebook projects. Weekly laboratory experiences, including dissection, are provided and written labs reports will be required.

Prerequisite(s): Students must be either a junior or a senior and must have completed one year of Earth Science and passed both the Life Science: Biology course and Regents exam, or recommendation of science teacher



SOCIAL STUDIES COURSES

GLOBAL HISTORY AND GEOGRAPHY I (1 CREDIT)

This is the first year of a two-year course that culminates with a Regent's examination for all students at the conclusion of their second year. The two year course uses a thematic approach to world history organized around themes and concepts. Global History and Geography I examines the culture, history, belief systems and geography of people throughout the world and history. Units of study range from the Ancient World to the Age of Revolutions. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters and a final exam in June. This final exam will count as 20% of the final course average.

Prerequisite(s): None

Criteria for placement of Global 9-H includes:

90% or higher average for Social Studies 8 or a teacher recommendation

GLOBAL HISTORY AND GEOGRAPHY II (1 CREDIT)

Grade 10 is the second year of the two-year course in Global History. Students will study from the Age of Revolution, Crisis and Achievement to 1945, the Modern 20th Century, and Global connections and Interactions today. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. This course will culminate in the Global History and Geography Regents.

Prerequisite(s): Course credit for Global History and Geography I

UNITED STATES HISTORY AND GOVERNMENT (1 CREDIT)

US History and Government is taken in Grade 11 and will study the chronological history of the United States. In addition, in-depth studies will be conducted of the origins, structure, and functions of the Constitution and government of the United States. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. This course will culminate in the United States History and Government Regents.

Prerequisite(s): None

CHS UNITED STATES HISTORY AND GOVERNMENT (1 CREDIT)

This 11th grade course is a full-year course in a College in the High School course sanctioned for six credit hours by Hudson Valley Community College. It is a two-semester survey of American history from the colonial period to the present time. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and analytical thinking skills, essay writing, and on the interpretation of primary and secondary sources. All students are required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. The course will culminate in the United States History and Government NYS Regents examination. This is not an AP course, however, students are welcome to challenge the AP exam in May.

Prerequisite(s): A final average of 85 or higher and score of 85 or higher on Regents exam in Global II, or recommendation of a Social Studies teacher

Fee: College credit fee collected by Hudson Valley Community College (optional)



PARTICIPATION IN GOVERNMENT (.5 CREDIT)

This one semester course focuses on the U.S. government, its structure and function and the manner in which it impacts the economy and citizenry. The course will also examine the role American citizens play in both the function of government as well as citizen interaction with and participation in government. Throughout the semester, students complete various assignments, including group work, debate and whole class discussion. There will be one field trip that will immerse the students into some aspect of their study of government. Students are required to perform a total of 10 hours of community service and provide proof of completion via a form signed and dated by the organization explaining the nature of the volunteer work performed. A final exam will be given at the end of the semester accounting for 20% of the course average.

Prerequisite(s): None

ECONOMICS (.5 CREDIT)

This is a one semester course that will study how individuals, businesses, and governments make decisions about using scarce resources in a world of unlimited wants and needs. This course aims to provide students with specific theoretical underpinnings and functional knowledge in economics to become informed consumers, producers, and citizens in today's world. Students will learn about economics at both microeconomic and macroeconomic levels. The course is useful in helping students acquire many life skills, including personal financial literacy, and establish a foundation for a more advanced study of economics. A final exam will be given at the end of the course, accounting for 20% of the final course average.

Prerequisite(s): None

CHS GOVERNMENT AND POLITICS (1 CREDIT)

This full year course is offered to senior level students as a more challenging and engaging option to fulfill the graduation requirement for Participation in Government. This course is designed as a college level course and students can earn three college credits through Hudson Valley Community College. The course covers the design of America's political system, its structure, and how individual and group interests combine, each promoting its own agenda. Students will learn the foundations of U.S. government and law on a more in-depth basis. A final exam will be given at the end of the course accounting as 20% in the final course average.

Prerequisite(s): An 85% or higher in UHS History or a 90 or higher in US History, or recommendation of a social studies teacher

Fee: College credit fee collected by Hudson Valley Community College (optional)

AP WORLD HISTORY (1 CREDIT)

AP World is the College Board college-level survey course that introduces students to world civilizations and cultures. This tenth grade AP World History course begins with the period 1200-1450 and ends in the present day. The class is broken down into manageable periods and the class will also focus on mastery of skills critical to the May AP World History exam. Students will address the higher level thinking skills and themes common to Advanced Placement Social Studies classes as well as college admissions tests. A student's performance on the AP World History exam determines a student's eligibility to earn up to six hours of college credit. All students will be required to take a midterm in January that will count as a unit exam in both the 2nd and 3rd quarters. This course will culminate in the Global History and Geography Regents examination.

Prerequisite: Course average of 85% or higher in Global 9-H or 90% or higher in Global History I, or a recommendation of a Social Studies teacher



SENIOR ELECTIVES

INTRODUCTION TO PSYCHOLOGY (.5 CREDIT)

This one semester course will provide students with a basic overview of psychology, help them develop greater insight into human behavior, and gain a better understanding of themselves and others. Core topics include social, intellectual, and moral development; the life span; personality theories; conditioning; and abnormal psychology as well as social psychology. This course will conclude with a final exam counting as 20% of the final course average.

UHS PSYCHOLOGY (1 CREDIT)

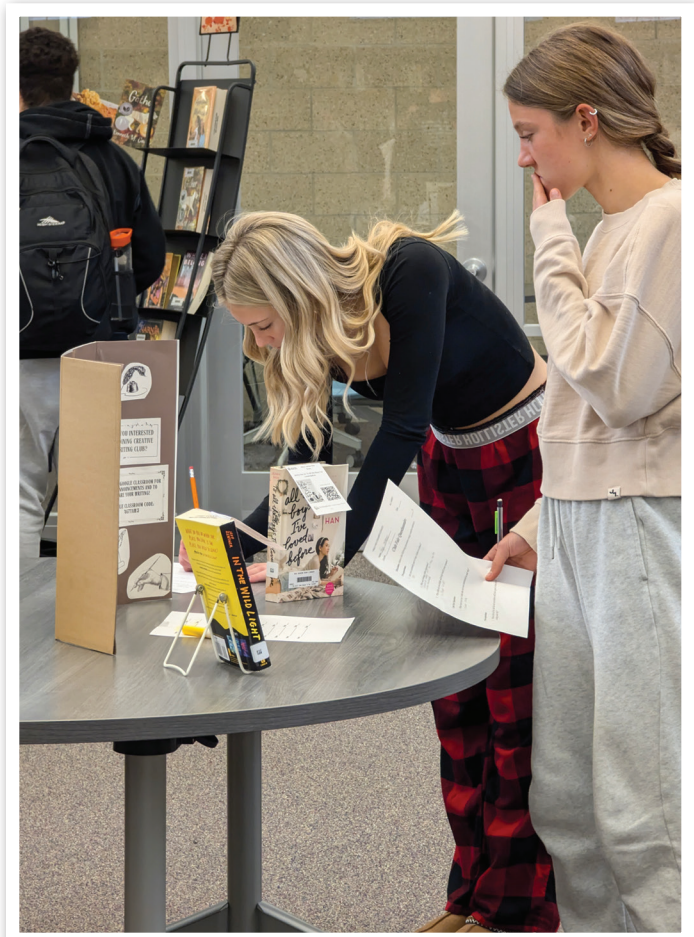
This full year course is a University in the High School course sanctioned by the University at Albany. Successful completion of the course enables the student to receive one high school credit, as well as three credit hours of transferable credit from the University at Albany. This is a UHS course not an AP course. However, students are welcomed to challenge the AP exam in May. A final exam is given at the end of the course counting as 20% of the final course average. It is a course for advanced students who are interested in learning about human behavior from a scientific perspective. It also prepares high school students for college level work. It covers units on the history and different approaches of psychology, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, developmental psychology, personality, abnormal psychology, treatment of psychological disorders, and social psychology. Whether you choose to pursue a career in psychology or in some entirely different field, this course will be of great value

Prerequisite(s): A final average of 85 or higher and a score of 85 or higher on Regents exams in Global History, US History and Biology, or recommendation of a Social Studies teacher

Fee: College credit fee collected by State University of New York at Albany (optional)



SOCIAL STUDIES



TECHNOLOGY EDUCATION COURSES

Technology Education is the study of the human-made world. Identifying problems, developing solutions, testing those solutions, and re-designing if necessary are the core of technology and the engineering sciences. The study of technology will provide a variety of experiences for students with varied interests and aptitudes. RCS is proud to collaborate with secondary schools, colleges, universities and engineering industries whose purpose is to increase the quality of graduating high school seniors who plan to pursue a degree in engineering and engineering technologies. When combined with Regents-level math and science courses, students are better prepared for the rigor of further study beyond high school.

Students may take courses for elective credit, or choose to complete a sequence as part of the requirements for an Advanced Regents Diploma. Students may earn a five-unit sequence in one of the following Technology sequence areas:

- Technology Exploration Sequence

It should be noted that for students earning a five-unit sequence in Technology:

- Design Drawing for Production (DDP) meets the SED criteria for 1 unit of Fine Arts.

In order to receive a five-unit sequence in any CTE area students must take and pass Career & Financial Management

framing and safety as well as professional skills for the construction field related to work ethic and communication. Students will participate in activities pertaining to the numerous career opportunities in these areas.

CONSTRUCTION SYSTEMS 2 (.5 CREDIT)

This class is a half-year course that builds on the information learned from Construction I and introduces students to the utility subsystems of a residential construction project, primarily the HVAC, plumbing, and electrical systems. Students will also learn about finishes and maintenance for construction projects. Students will participate in activities pertaining to the numerous career opportunities in these areas. (Offered in the Spring)

Prerequisite(s): Construction Systems I

BASIC ELECTRONICS (.5 CREDIT)

This course provides students with hands-on-training and practical application of electrical theories. Students will develop the basic knowledge and skills required to work with electrical circuits and electrical equipment. Students will work with series and parallel circuits, resistors, capacitors, transformers, transistors and integrated circuits and learn the skills of soldering, bread boarding, wiring, circuit layout and utilizing printed circuit boards. Students will work individually and as a team to experiment, construct and problem solve various types of circuits using transistors and integrated circuits. Students may construct and take home projects relating to the course objectives such as small DC motor, electromagnetic, or integrated circuits.

COMPUTER-AIDED DESIGN AND DRAFTING (CADD) (.5 CREDIT)

This class is open to students in grades 10-12

This course introduces students to design, technical drawing, and Computer Aided Drafting & Design (CADD). Students will learn the principles & elements of design through a variety of technical drawing styles utilizing manual techniques and CADD models. Students will use their skills to solve design problems and generate prototypes with 3D printing and laser engraving. DDP is a very beneficial course for any student interested in pursuing a sequence or career in any technical field or engineering.

Prerequisite(s): DDP and Algebra, taking grade-level math and science

DESIGN AND DRAWING FOR PRODUCTION (DDP) (1 CREDIT)

Meets Fine Art/Music requirement

Designed for 9th or 10th grade students, the major focus of DDP is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

CIVIL ENGINEERING AND ARCHITECTURE (.5 CREDIT)

This class is open to students in grades 10-12

In this course students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects. They document their work using 3-D architecture design software.

Prerequisite(s): DDP and Algebra, taking grade-level math and science

PRODUCTION SYSTEMS (.5 CREDIT)

This is an activity centered course where students will learn the properties of materials and how to manipulate them using basic hand tools and machinery. Students will have the opportunity to work on community based projects and produce a number of projects that can be taken home for personal use.

CONSTRUCTION SYSTEMS 1 (.5 CREDIT)

This class is a half-year course that introduces students to the field of construction and focuses on residential structures to familiarize them with obtaining the proper permits, building codes and safe material handling. Students will also learn about site planning, print reading, common tools, rough carpentry with regard to platform

WORLD LANGUAGES COURSES

New York State mandates that all students earn at least one unit of credit in a World Language (Foreign Language). Passing the World Language course and the Checkpoint A Assessment Exam at the end of 8th grade awards the mandatory unit of credit toward a high school diploma. Those students who do not pass the Checkpoint A Assessment Exam at the end of 8th grade must pass a high school course in order to earn the mandatory one unit of credit. In order to receive a Regents Diploma with Advanced Distinction with the Foreign Language component requires the successful completion of the World Language sequence (Spanish/French 3) and passing the Checkpoint B Assessment Exam which is a Regents equivalent exam.

FRENCH 2 (1 CREDIT)

After a review of 8th grade French and Checkpoint A of the New York State Modern Languages for Communication Syllabus requirements, this full-year course continues with the study of sentence structure, grammar, vocabulary, and cultural traditions of French-speaking countries. The main objective of the course is to improve speaking, reading, writing, and listening skills. Conversational skills are developed at a more advanced level. The course completes the first half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. The students will take a midterm, and a local exam at the end of the course.

Prerequisite(s): Passing 8th grade French and the Checkpoint A Assessment Exam in French exam at the end of 8th grade

Please note: In order to receive a world language high school credit via French, a student must pass the Checkpoint A Assessment Exam or French 2. Students who do not complete the World Language (WL) units of study in middle school in French and do not pass the Checkpoint A Assessment Exam will be placed in French 2 with modifications to the curriculum.

FRENCH 2H (INTEGRATED WITHIN THE FRENCH 2 CLASSROOM) (1 CREDIT)

Students eligible for the French Honors Program will cover the same topics as other French 2 students, but will do so with more enriched vocabulary, rigorous expectations, and more demanding assignments and assessments. Students with this designation will be expected to do extended writing assignments, oral presentations, and reading-based projects, while still completing the 1st half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. All French students will take a midterm at the end of the first semester and a local final exam at the end of the course.

Students with honors designation must end the year with an average of 85 or higher in order to receive honors designation on their transcripts.

Prerequisite(s): Year-end 8th grade average of 85 or higher; passing the Checkpoint A Exam with an 85 or above; having a 1st quarter grade of 85 or better or higher in 9th grade, or teacher recommendation

FRENCH 3 (1 CREDIT)

This full year course begins the acquisition of more advanced grammar and conversational skills. Students increase their abilities in reading, speaking, listening and writing skills. Short stories, poetry and songs are used in the classroom to enhance learning and participation. This course completes the second half of Checkpoint B of the New York State Modern Language for Communication Syllabus. Students will take a midterm and a checkpoint B Assessment Exam in French at the end of this course. Students with successful completion of the course and passing the Checkpoint B Assessment Exam in French will meet sequence requirements for the Foreign Language component of a Regents diploma with Advanced Distinction. The Checkpoint B Exam is the Regents Equivalent exam and carries a Regents credit. (This is the REGENTS EXAM).

Prerequisite(s): Passing French 2

FRENCH 3H (INTEGRATED WITHIN THE FRENCH 3 CLASSROOM) (1 CREDIT)

Students eligible for the French Honors Program will cover the same topics as other French 3 students, but will do so with more enriched vocabulary, rigorous expectations, and more demanding assignments, oral presentations, and reading based projects while still completing the 2nd half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. All French students will take a midterm at the end of the first semester and the Checkpoint B Exam (formerly called the NYS Regents Exam).

Students with honors designation must end the year with an average of 85 or higher in order to receive the 3 percentage points and honors designation on their transcripts.

Prerequisite(s): Passing French 2H with an 85% or above or teacher recommendation

CHS FRENCH 4 (1 CREDIT-HIGH SCHOOL/3 CREDITS HVCC)

Students in this course will be eligible to take the course for College in the High School credit through Hudson Valley Community College. This allows the students the possibility to receive 3 credits from HVCC which are transferable to many colleges and universities which require credits in Foreign Language as part of their graduation requirements. Students may take the course without participating in the CHS program. This course is designed to review information learned in French 3 as well as increase the students' knowledge in vocabulary, grammar, increase their ability to speak and write in French. Students will interact in French with the teacher and with their classmates in much greater depth. Culture will be taught to the class through readings, use of the Internet, newspapers, magazines, and films. It is expected that the students will read more independently and communicate in French. The class will be instructed in French. Students will take a local exam approved by HVCC at the end of this course.

Prerequisite(s): Successful completion of French 3 and passing the Checkpoint B Assessment Exam in French

CHS FRENCH 5 (1 CREDIT-HIGH SCHOOL/3 CREDITS HVCC)

Students in this course will be eligible to take this course for College in the High School credit through Hudson Valley Community College. This allows students the possibility to receive 3 credits from HVCC which are transferable to many colleges and universities which may require credits in Foreign Language as part of their graduation requirements. Students may take this course without participating in the CHS program. This course is designed to review information learned in French 4 and basic French. It is designed to increase the students' vocabulary, grammar, speaking skills and writing skills. Students will interact with the teacher and classmates in French. Culture will be taught to the students through various readings, the use of the Internet, French newspapers, magazines, and films. It is expected that students will read independently and communicate in French. The class will be instructed in French. Students will take a local exam approved by HVCC at the end of this course.

Prerequisite(s): Successful completion of French 4

SPANISH 1 (1 CREDIT)

After a review of 8th grade Spanish, Checkpoint A of New York State Modern Languages for Communication Syllabus, this course continues with the study of sentence structure, grammar, vocabulary and cultural traditions of Spanish speaking countries. The main objective of the course is to improve speaking, reading, writing and oral comprehension skills. Conversational skills are developed at a more advanced level. This course completes the first half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. Students will take a midterm and a local exam at the end of the course.

SPANISH 2 (1 CREDIT)

After a review of 8th grade Spanish, Checkpoint A of New York State Modern Languages for Communication Syllabus, this course continues with the study of sentence structure, grammar, vocabulary and cultural traditions of Spanish speaking countries. The main objective of the course is to improve speaking, reading, writing and oral comprehension skills. Conversational skills are developed at a more advanced level. This course completes the first half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. Students will take a midterm and a local exam at the end of this course.

Prerequisite(s): Passing 8th Grade Spanish and the Checkpoint A Assessment Exam in Spanish exam at the end of 8th grade. Students are also eligible if they passed the Spanish 1 course offered in 9th grade

SPANISH 2 H (1 CREDIT)

This course covers many of the same topics as Spanish 2, but does so at a faster pace and in more depth. Students in this course will be expected to do extended writing assignments, oral presentations and reading based projects while still completing the first half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. Students will take a midterm and a local exam at the end of the course. Students in this course must maintain an average of 90% in order to remain in the course.

Prerequisite(s): Passing 8th grade Spanish and the Checkpoint A Assessment Exam in Spanish with a 85% or above or teacher recommendation

SPANISH 3 (1 CREDIT)

This full year course begins the acquisition of more advanced grammar and conversational skills. Students increase their abilities in reading, speaking, listening and writing skills. Short stories, poetry and songs are used in the classroom to enhance learning and participation. This course completes the second half of Checkpoint B of the New York State Modern Language for Communication Syllabus. Students will take a midterm and a checkpoint B Assessment Exam in Spanish at the end of this course. Students with successful completion of the course and passing the Checkpoint B Assessment Exam in Spanish will meet sequence requirements for the Foreign Language component of a Regents diploma with Advanced Distinction. The Checkpoint B Exam is the Regents Equivalent exam and carries a Regents credit. (This is the REGENTS EXAM).

Prerequisite(s): Passing Spanish 2

SPANISH 3 H (1 CREDIT)

The course covers many of the same topics as Spanish 3, but does so at a faster pace and in more depth. Students in this course will be expected to do extended writing assignments, oral presentations and reading-based projects while still completing the second half of Checkpoint B of the New York State Modern Languages for Communication Syllabus. Students will take a midterm and a checkpoint B Assessment Exam in Spanish at the end of this course. Students with successful completion of the course and passing the Checkpoint B Assessment Exam in Spanish will meet sequence requirements for the Foreign Language component of a Regents diploma with Advanced Distinction. The Checkpoint B Exam is the Regents Equivalent exam and carries a Regents credit. Students in this course must maintain an average of 90% in order to remain in the course.

Prerequisite(s): Passing Spanish 2H with 85% or above or teacher recommendation

CHS SPANISH 4 (1 CREDIT-HIGH SCHOOL/3 CREDIT HVCC)

Students in this course will be eligible to take this course for college in the High School credit through Hudson Valley Community College. This allows students the possibility to receive 3 credits from HVCC which are transferable to many colleges and universities which may require credits in foreign language as part of their graduation requirements. Students may take this course without participating in the CHS program. This course serves as a continuation of the acquisition and refinement in the four basic skill areas of the Spanish language: listening comprehension, reading, writing and speaking. Topics such as differing cultural concepts, projects, videos, presentations and short compositions will be used to integrate skill areas into the topics that are covered in the course. The class will be instructed in Spanish. It is expected that students will read and communicate in Spanish. Students will take a local exam approved by Hudson Valley Community College at the end of this course.

Prerequisite(s): Passing the Checkpoint B Assessment Exam in Spanish and successful completion of Spanish 3 or 3H

**CHS SPANISH 5
(1 CREDIT HIGH SCHOOL/3 CREDITS HVCC)**

Students in this course will be eligible to take this course for college in the High School credit through Hudson Valley Community College. This allows the students the possibility to receive 3 credits from HVCC which are transferable to many colleges and universities, which may require credits in foreign language as part of their graduation requirements. Students may take this course without participating in the CHS program. This course will serve as a continuation of the enhancement and refinement of the four skill areas of reading comprehension, writing, speaking and listening comprehension. These areas will be continuously incorporated into the course as students read in the target language, watch award winning films, engage in classroom discussions, and compositions. The class will be instructed in Spanish. It is expected that students will read independently and communicate in Spanish. Students will take a local exam approved by Hudson Valley Community College at the end of this course.

Prerequisite(s): Successful completion of Spanish 4



ALBANY CAREER & TECHNOLOGY EDUCATION AND NEW VISIONS COURSES

A variety of vocational programs are available for all students during their junior and/or senior years. Seniors may also qualify for a “full day” internship program through Albany CTE (career and technical education) in the areas of health, government, communications, and business.

The CTE course guide is available in the school office. It lists and describes all the programs offered. Students and parents should speak to their school counselor regarding program options.

Architecture and Construction

Building Trades
Carpentry Services
Electrical Trades
Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R)
Plumbing Technology

Education

Early Childhood Education
Criminal Justice

Health Science

New Visions: Health Careers – Ellis & St. Peter’s Hospitals
Sterile Processing Technician
Two-Year Sequence of Health Careers

Hospitality

Culinary Arts and Hospitality Technology
Culinary – Food Services

Information Technology

Game Design and Implementation
Digital Media Design
Network Cabling Technician/Smart Home Technology

Manufacturing

Manufacturing and Machining Technology
Welding and Metal Fabrication

Retail and Office Services

Cosmetology
Global Fashion Studies
Pet Tech
Retail and Office Services
Vocational Training and Transition

Transportation, Distribution and Logistics

Auto Body Collision Repair and Refinishing Technology
Automotive Services
Automotive Trades Technology
Automotive Youth Educational System (AYES)
Diesel Technology
Heavy Equipment Repair Operation (HERO)



Personal Planning Worksheet

Counselors use a form like this for each student. This copy is provided for you and your family to use as you plan your program for next year.

Pupil's Name: _____

Type of Diploma Desired: _____ Class of: _____

Career & College Goals: _____ Graduation Year: _____

9 th Grade	5.5 Credits
English	
Global History & Geography	
Math	
Science	
Phys Ed	
Music/Art	
Health	
Foreign Language	
Electives	
Total Credits:	

10 th Grade	5.5 Credits
English	
Global History & Geography	
Math	
Science	
Phys Ed	
Health	
Foreign Language	
Electives	
Total Credits:	

11 th Grade	5.5 Credits
English	
U.S. History	
Math	
Science	
Phys Ed	
Foreign Language	
Electives	
Total Credits:	

12 th Grade	5.5 Credits
English	
Economics/Government	
Math	
Science	
Phys Ed	
Foreign Language	
Electives	
Total Credits:	



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HIGH SCHOOL Course Selection Guide

2026 2027

Ravena Coeymans Selkirk CENTRAL SCHOOL DISTRICT

RCS HIGH SCHOOL

2025 Rt. 9W, Ravena, NY 12143

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Engagement & Development

Services, 10/2025.



Valuing inquiry, collaboration, risk-taking, participation & empathy