

HAMMONDSPORT JR./SR. HIGH SCHOOL

COURSE OFFERINGS 2020 - 2021



A Message from the Principal

A rigorous course of study at the senior high level is required for entry into college, the work place and the military. Many entry level jobs require skills and knowledge greater than those once required for college. Students are encouraged to challenge themselves and excel academically. Colleges and employers place more value on a challenging course of study than ever before. Students are also encouraged to explore courses of study that intrigue them or that may be novel. Please remember, the most important part of a high school education is to learn about learning.

The counselor will be happy to answer questions about the course selection process as well as what might be required to achieve educational and vocational objectives. The actual scheduling process starts in February of each school year. The counselor visits with students to discuss graduation requirements and course offerings for the next year. When course requests are completed, we will determine the number of sections needed to meet student demands. **In most cases, all courses are offered. However, courses may not be offered, based upon low demand or changes in staffing levels. In this case students will be asked to request an alternate.**

In the early spring, course requests are sent home with students to review with their family. A final schedule is run in the summer and final schedules are mailed home. The schedule process is lengthy and requires constant communication. Cooperation from all involved greatly contributes to an educational atmosphere that is orderly and organized. Please understand that our objective is to provide appropriate schedules for all our students and faculty in a manner that contributes to the smooth and effective operation of our school. Thank you for your role in this process.

Sincerely,

*Tad R Rounds,
Jr. Sr. High Principal*

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Revised 1/22/20

EXPLANATION OF TERMS

1. quarters For grading purposes, the school year is divided in to four quarters per school year. First and second quarter are in the first semester, third and fourth quarter are in the second semester.

2. semester The school year is divided into two academic time periods called semesters, usually September through January and February through June.

3. unit of credit A value of credit is given for the successful completion of a course. This value can range from 1/2 unit to 4 units. Each course description contains the value of the credit that can be earned.

4. prerequisite A prerequisite course is a course that must be successfully completed before another course can be taken.

5. regents This word may refer to the people who are responsible for education in our state, (Board of Regents), the state-wide exams (Regents exams), or a type of diploma (Regents Diploma).

6. GPA weighting An additional numerical weight applied to the final grade of the selected regents and college level courses to recognize the demanding level of work in those particular subjects. GPA weighting is identified for each course in its description. The weighted class rank as well as the unweighted GPA appear on the official transcript.

GRADUATION REQUIREMENTS

CREDITS: Your eligibility to receive either a New York State Regents Endorsed Diploma or Advanced Regents Diploma is based upon the successful completion of a specified number of units of credit. You should read the following table to know what will be required of you.

MINIMUM GRADUATION REQUIREMENTS

Subject	Regents Diploma	Regents w/ Advanced Designation	H'port Diploma
English	4 units	4 units	4 units
Social Studies	4 units	4 units	4 units
Math	3 units	3 units	3 units
Science	3 units	3 units	3 units
Arts	1 unit	1 unit	1 unit
Health	½ unit	½ unit	½ unit
Physical Education	2 units	2 units	2 units
Second Language**	1 unit	3 units	3 units
Electives	3.5 units	3.5 units	1 unit
Occupational Ed.	Hammondsport	Requirement	2 units
Senior Seminar	Hammondsport	Requirement	.5 units

****Students may choose to substitute a 5-credit sequence in occupational education or Fine Arts for their Foreign Language requirement.**

TESTING REQUIREMENTS:	TESTING REQUIREMENTS:
Regents	REGENTS DIPLOMA WITH
65 or higher on the following	ADVANCED DESIGNATION
Regents exams (5)	Regents exams (8)
Integrated Algebra	Integrated Algebra
Global Studies 10*	Geometry
US History 11*	Algebra II/ Trigonometry
English 11	Global History 10
Science (1)	US History 11
	ELA 11
	Science (3 exams, Biology + 1 in the physical setting)

Exam Requirements: Generally, all students who have studied a subject at an approved school for at least a period of time not less than what has been prescribed by the Commissioner of Education have the right to take a Regents exam at the school they attend. Students taking a Regents exam in science must first complete all science lab reports and receive a satisfactory score for those labs.

***Assessment Requirements:** Students who are eligible to graduate in June 2015 and thereafter will have the following assessment options if the pathway proposal is adopted by the Board of Regents: All students **must pass** the following four (4) required exams. -1 math, 1 science, 1 social studies, ELA; **and**

Students must choose one (1) of the following additional examinations:

Additional Social Studies Regents Exam: or

Additional Science Regents Exam; or

Additional Math Regents Exam: or

Approved CTE, LOTE or Arts Pathway Assessment: or

Department Approved Alternative Assessment found at

<http://www.p12.nysed.gov/assessment/hsgen/archive/list.pdf> (This assessment must measure content other than that measured by one of the four required Regents exams.)

To earn a **Regents Diploma with Advanced Designation**, one of the following must be completed:

1. 3 units of LOTE (Language Other Than English) **OR**
2. 5 units in business plus one unit of LOTE (Language Other Than English) **OR**
3. 5 units in the arts plus one unit of LOTE (Language Other Than English) **OR**
4. 5 units in technology plus one unit of LOTE

*Students must pass either the three Regents exams for Algebra, Geometry, Algebra II-Trigonometry. For science requirements, one unit must be in the living environment and one unit must be in the physical setting; the third required unit may be in either area. For students considering college, 3 units of LOTE is strongly recommended.

Designations/Annotations on Diplomas:

- ❖ **With Honors Designation - Eligible:** In order to earn honors designation, a student will achieve an average of 90% in all Regents required for the diploma. Honors may be awarded for both the Regents Diploma and the Regents Diploma with Advanced Designation. Each Regents exam score carries a weight of one. Averages below 90.0% shall not be rounded upward to 90%.
Available: For students earning a Regents or Regents with Adv. Designation.

- ❖ **Math Annotation - Eligible:** Students who first enter grade nine in September 2009 and

thereafter who complete all course work and testing requirements for the Regents Diploma with Advanced Designation in Mathematics, and who pass, with a score of 85 or better, three Regents exams in mathematics.

Available: For students earning a Regents with Adv. Designation.

❖ **Science Annotation -**

Eligible: Students who first enter grade nine in September 2009 and thereafter who complete all course work and testing requirements for the Regents Diploma with Advanced Designation in Science, and who pass, with a score of 85 or better, three Regents exams in science.

Available: For students earning a Regents with Adv. Designation.

❖ **CTE Endorsement -**

Eligible: Attend a 2-year BOCES program and meet the requirements as Established by BOCES for this endorsement.

Available: For students earning a Local, Regents, or Regents with Adv. Designation.

AIS (Academic Intervention Services)

New York State Education Law requires that all students in danger of not meeting the learning standards be assigned to AIS (Academic Intervention Services). AIS (Academic Intervention Services) consists of instruction that supplements the general curriculum and assists students in meeting the learning standards. Students are placed in AIS (Academic Intervention Services) if they score below the designated performance level on the state intermediate level assessments in English Language Arts, Mathematics, Social Studies or Science, or are at risk of not meeting the state standards in those areas. Students in grades 9-12 are also required to be in AIS (Academic Intervention Services) if they fail a regents examination required for graduation.

UNIT REQUIREMENTS: The following number of units of credit taken per grade have been established as minimal:

9th:	6 1/2 units
10th:	6 1/2 units
11th:	6 1/2 units
12th:	6 units

Electives

Electives will run based upon student demand and staffing constraints.

A minimum number of completed units of credit is required for placement in the next higher grade level. Therefore:

To be eligible for:

10th Grade

11th Grade

You must have completed:

6 units including Eng. 9
and Social Studies 9.

12 units including Eng. 10
and Social Studies 10; 1 unit
Science & 1 unit Math

12th Grade

18 units and be carrying a schedule which will fulfill all graduation requirements; Eng. 11, U.S. History, 2 units Science & 2 units Math

At the end of the first semester of the school year as changes in credit status occur, students may be assigned into a higher grade level homeroom.

DROPPING/ADDING COURSES

One Semester Courses: You may drop a 1-semester course without receiving a failing grade one week after report cards have been distributed at the end of the first and third quarters of the school year. Dropping a 1-semester course after that date will result in a withdraw/failure being recorded on your permanent record card.

Full Year Courses: You have until one week after the distribution of report cards at the end of the first semester to drop a 40 week course and still not receive a failing grade. Dropping a 40-week course after that date will result in a failure being recorded on your permanent record card.

Exceptions to the above regulations must be approved by the principal and will only be considered when the dropping of the course is initiated by school staff.

You may request to add a course during the first five weeks of the course. You will be required to meet with the teacher to determine what part of the class work must be made up.

Procedure for Dropping/Adding: The procedure for dropping or adding a course requires that you first talk with the respective teacher/teachers. A “drop/add” form must be obtained from the Guidance Counselor, which then must first be signed by the parent/ guardian before being returned to be signed by the teacher. Then, return the signed drop/add form to your counselor before you are officially either dropped from or added to a course. Until all the above steps are completed and a new schedule is given to you, you are to follow your existing schedule.

GENERAL PROGRAM RECOMMENDATIONS

Thinking of immediate career entry or college? Your course selections should depend not only on your immediate interests and ability level, but also on what your long term goals are. The following guidelines are general requirements for post-graduation goals. Your individual interests and your academic ability must be considered and woven into the appropriate plan.

1. Career entry
 - 4 units of English
 - 4 units of Social Studies
 - 3 units of Science
 - 3 units of Math
 - 4-7 units of Occupational Education (Business, Technology, Vocational programs)
 - 1 unit Foreign Language
 - 2 units Physical Education
 - 2 units of Fine Arts

2. Community College/Technical School
 - 4 units of English
 - 4 units of Social Studies
 - 3 units of Math
 - 3 units of Science
 - 3-5 units of Occupational Education (Business, Technology, Vocational programs)
 - 3 units of Foreign Language
 - 2 units Physical Education
 - 2 units of Fine Arts

3. Four Year College or University
 - 4 units of English
 - 4 units of Social Studies
 - 3-4 units of Science
 - 4 units of Math
 - 4-5 units of Foreign Language
 - 3 units of Occupational Education (Business, Technology)
 - 1-3 units of general electives
 - 2 units Physical Education
 - 2 units of Fine Arts

VOCATIONAL TRAINING AT BOCES

If a student chooses to enter a vocational training program at a BOCES training center, the following will be the Junior and Senior year curriculum:

Junior Year:	English	1 credit
	United States History and Government	1 credit
	Math	1 credit
	Physical Education.....	1/2 credit
	Vocational Training	4 credits
Senior Year:	English	1 credit
	Participation in Government.....	1/2 credit
	Economics.....	1/2 credit
	Vocational Science.....	1 credit
	Senior Seminar.....	1/2 credit
	Physical Education.....	1/2 credit
	Vocational Training	4 credits

~ All Science lab required courses must be completed prior to enrollment in a vocational program. ~ All students must complete two credits in math. Students will not be eligible to receive Vocational math credit at BOCES.

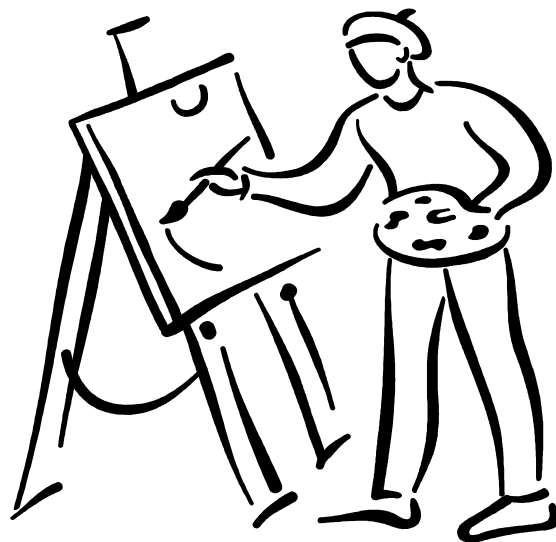
The criteria for acceptance into vocational/technical courses include:

1. Proven ability to pass required courses, especially English and social studies
2. School citizenship and maturity
3. Attendance history, including tardiness
4. Interest in and projected success rate in selected program
5. Passed the courses and Regents exam in Integrated Algebra, Global History II, and one science course and its Regents.

Not all students who desire this program will be scheduled. Selection will be determined by the building principal in consultation with the school counselor on the above criteria.

ART

The art program presents opportunities for you to broaden your interest in the Arts and to familiarize yourself with activities which may be useful in leisure and career exploration. Regents credit is available to those students completing a sequence. Studio in Art is the prerequisite to all electives. The suggested order of courses is shown in the following flowchart.



- 9th Grade: Studio Art
- 10th Grade: Ceramics I (1st semester)
 Drawing or Sculpture (2nd semester)
- 11th Grade: Painting or Advertising Design (1st semester)
 Sculpture or Drawing (2nd semester)
 AP Studio Art
- 12th Grade: Art Portfolio Development (1st semester)
 Advertising Design or Painting (2nd semester)
 AP Studio Art

510 Studio in Art
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Studio in Art is a one-year foundation course designed for those who plan to elect further courses in art and for those desiring a broad general background in the visual arts as part of their general education. The course offers a wide variety of art experiences in a number of media (drawing, painting, sculpture, ceramics, crafts, and commercial art applications) with an emphasis on art history and appreciation.

Studio in Art must be completed successfully with 85% or higher in order to take any other advanced art course.

Studio in Art satisfies the graduation requirement for all students of one unit of credit in the Fine Arts. Other courses that meet the same requirement can be found in the Technology Education, Home and Careers, and Music sections of this booklet.

512 Ceramics
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks - 1st semester)

The Ceramics course is designed for the student who is interested in working with clay. The primary emphasis is on pottery. The course includes the use of the potter's wheel, glazes, and experimentation with various methods of hand built pottery. A study of the history of ceramics is a small part of the course.

513 Art Portfolio Development
Grade: 12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 1st semester)

This course is designed for seniors as college preparation for the art major focusing on portfolio assessment and development between teacher and student. The emphasis will be on creating a complete and college level art portfolio by reexamining artworks the student would like to improve on, as well as a continuation of the student's artistic areas of interest and further development of those existing skills.

514 Drawing
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks - 2nd semester)
Offered every other year (2020-2021; 2022-2023)

This course is for students with a serious interest in learning to draw and advance their existing skills. A variety of drawing media and techniques are explored.

515 Painting
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 1st semester)
Offered every other year (2021-2022; 2023-2024)

This course is for students with a serious interest in learning to paint and advance their existing skills. A variety of painting techniques will be explored including watercolors, acrylics, oils, and mixed media.

516 Sculpture
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 2nd semester)
Offered every other year (2021-2022; 2023-2024)

This course is designed to provide opportunities to pursue the techniques and processes necessary to create sculpture in relief and in the round. Material may include clay, metal, wood, plastic, stone, plaster of Paris, paper mache and mixed media. A study of outstanding sculptors, their lives and sculpting techniques is included.

517 Advertising Design
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks - 2nd semester)
Offered every other year (2020-2021; 2022-2023)

This course is designed for students who have taken Drawing and/or Painting with the desire to advanced work. The course focuses on the real-world application of incorporating art as a career within the business world. A variety of topics within advertising design will be covered including graphic imagery, typography, poster design, magazine design, cd design, package design as well as others.

518 AP Studio Art-Drawing

Grade: 10-12

GPA Weighting: 1.13

Unit of Credit:

1 (40 weeks)

The AP Studio Art Course is designed for students who are seriously interested in the experience of creating art with an emphasis on drawing. AP Studio Art is not based on a written exam but rather students will submit a portfolio for evaluation at the end of the year long course. Many traditional as well as non-traditional methods of drawing may be used, such as, but not limited to, pencils, charcoal, pastels, printmaking, and other forms of drawn expression. It is strongly recommended that students take Drawing class before entering AP Studio Art. This previous art experience will not only more greatly prepare you for the challenging work ahead, but will also improve your chances of finishing the demanding 24-piece portfolio by the May deadline.

Prerequisite: Drawing



BUSINESS

Course options in Business Education provide students with opportunities to develop knowledge and skills for purposes of:

- A. Developing job-related skills and life skills associated with all careers and personal achievement.
- B. Developing personal-use skills in business law, consumerism, and finance.
- C. Developing a basic economic understanding of current business practices that affect the lives of all.
- D. Making realistic career decisions.
- E. Providing the basis for further study at the post-secondary level.

The suggested order of courses is shown in the following sequence:

8th Grade:	Career & Financial Management (required)
9 th Grade:	Communications Systems Materials & Processing
11th Grade:	Accounting I Principles of Marketing Money Math
12th Grade:	College Accounting Business Law Professional Presentations ACE Economics ACE Applied Business Math & Personal Budgeting

350 Career and Financial Management
Grade: 8 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 1st or 2nd semester)

Career and Financial Management is required of all students for graduation. The course is designed to give students an understanding of the business world and how it relates to their own particular occupational goal. Career planning, the career selection process, success on the job, and financial literacy are primary components of this course.

358 Accounting I
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Accounting I is a course designed to develop competencies in personal and occupational accounting. The content encompasses the complete accounting cycle, a general understanding of the operation of the business world, and the importance of financial records in the operation of a business.

360 Money Math: Math Applications for Business and Personal Finance
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1 (36 weeks)

Everyone wants to make the best use of their hard earned money! Financial responsibility and security is important for all students after graduation whether they are entering the workforce or going on to college. This course is intended to give students a solid understanding of how to manage their person finances, control debt and invest in the future. Students will learn business math applications that will not only give them insight into the world of business for those going into related careers, but will enable them to be better consumers. The student who successfully completes this course will have a better understanding of mathematics related to the following areas: business, personal financial management, credit, banking and finance. This course may either be used as a math credit towards a math sequence or a business credit towards a business sequence.

361 Principles of Marketing
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Marketing touches all our lives daily. It is far more than a business function today. Marketing is used by businesses, non-profit organizations, and individuals to create, produce, distribute and promote products, services and ideas. This course provides students with the essentials of marketing in today's global economy and how it affects them as individuals, consumers, and future working citizens. The course not only deals with the basic principles of marketing, but E-Commerce and Sports and Entertainment Marketing as well.

362 Business Law
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Business Law is a full-year course in which the students will learn the elements of contract law, criminal law, tort law, labor law, the New York State Court system, and the Federal Court system. Course emphasis is on the individual as he/she encounters business law in his/her personal and family life and occupational life. Business Law is an excellent elective for all students regardless of future occupational goals.

365 Professional Presentations
Grade: 12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

Pro. Pres. is a full year course that combines two ACE courses-Professionalism (BUSN 1055) and Public Speaking (SPCH 1080). At the successful completion of these courses, students will receive one credit from Hammondspport and six credits from Corning Community College. The course descriptions as presented in the CCC course catalogue are below.

SPCH 1080 Public Speaking: Develops self-awareness and audience awareness through oral presentation. Organize and present material in a variety of speaking occasions, including information, visualization, demonstration, argumentation, persuasion. (3 cr. Hrs.) Lecture/presentations.

BUSN 1055 Professionalism: Understanding of individual and workplace needs as they relate to professionalism, team building, and career growth. Topic areas include human relations, business ethics, business etiquette, team building concepts, and career enrichment. (3 cr. Hrs.) Discussion/participation and role-playing exercises.

366 ACE Economics/ECON2001 Principles of Economics-Macro
Grade: 12 GPA Weighting: 1.13
Unit of Credit: ½ (20 weeks--1st or 2nd semester)

Three college credits available through Corning Community College

ACE Economics will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Topics covered include U. S. macro-economic goals, the American market system, price determination, distribution of income, government taxation and spending, fiscal policy, and monetary policy. Students will utilize the same textbook and curriculum as Corning Community College.

368 ACE Applied Business Math & Personal Budgeting /BUSN1033 & BUSN 1003
Grades 11 &12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

Three and a half college credits available through Corning Community College

This college level course uses the four arithmetic processes and the algebra of business. Students will gain experience in problem-solving through the application of mathematics using typical business problems. Taxes, insurance, payroll, depreciation, trade and cash discounts, markup, simple interest and bank discounts, and financial statements analysis are topics covered in this course.

In addition to applications in business math, an introduction to personal budgeting is included in the course. Preparation and analysis of a budget, understanding credit reporting agency procedures and credit reports, overview of types of credit, effective credit card use, and establishing financial goals are topics that will be covered. This element of the course is intended to prepare students for independent financial responsibility.

This course may either be used as a math credit or a business credit. Successful students will earn 3.5 credit hours of college credit that may be transferred to a higher education institution.



ENGLISH

Four units of English are required for graduation - one at each grade level. These required courses provide you with the opportunity to develop and extend your basic skills in listening, speaking, reading and writing. Regardless of a person's career path, good communication skills are an essential in today's world. A student's work in this area is critical to success in all other areas of education.

120 English 9 Regents GPA Weighting: 1
Grade 9
Unit of Credit: 1 (40 weeks)

As the introduction to high school English classes, English 9 Regents introduces freshmen to the study of the major literary genres (drama, novel, poetry, short story, essay, biography). Emphasis is also placed on writing, grammar, spelling, and vocabulary skills. There is also an emphasis on grammar, literary terminology, vocabulary and writing. *Prerequisite: successful completion of English Language Arts 8.*

123 English 9 Honors GPA Weighting: 1.08
Grade: 9
Unit of Credit: 1 (40 weeks)

As the introduction in a series of honors high school English classes, English 9H introduces freshmen students to the advanced study of the major literary genres (drama, novel, poetry, short story, essay, biography). There is also an emphasis on grammar, literary terminology, vocabulary and writing. **It is highly recommended that a student entering Honors 9 has an average of at least 85 to be successful in an advanced course.*

126 English 10 GPA Weighting: 1
Grade: 10
Unit of Credit: 1 (40 weeks)

This course consists of a study of all genres of literature. Vocabulary development and language skills (grammar usage) are stressed. Writing activities provide opportunities to sharpen skills in thinking and communication. Introduction to research techniques and the writing of a formal research paper (in conjunction with Global Studies) take place in the spring. *Prerequisite: successful completion of English 9R/9H.*

129 English 10H GPA Weighting: 1.08
Grade: 10
Unit of Credit: 1 (40 weeks)

This continuation of the honors English program includes the above with more in-depth study, literary analysis and critical writing. The pace of the course will be such as to allow time for several activities that will fine tune through application the basic skills of the regular course. Students will be required to read a full-length book/plays outside of class monthly in addition to regular daily assignments. **It is highly recommended that a student entering Honors 10 has an average of at least 85 to be successful in an advanced course.*

131 English 11 GPA Weighting: 1
Grade: 11
Unit of Credit: 1 (40 weeks)

This course involves a thematic presentation of the great American authors, as well as Shakespeare's Hamlet: Prince of Denmark. Novels, plays, poetry, and a large amount of non-fiction are covered. Great emphasis is placed on writing and grammar skills in preparation for the 11th grade English Regents. Multiple papers throughout the year contribute to a large percentage of the student grade in English 11.

135 AP Language & Composition
Grade: 11 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

AP Language and Composition, offered in place of 11 Honors, is designed to develop students into skilled readers and writers through multiple facets of the study of English. Students will compose narrative, expository, analytical, and argumentative essays on a variety of subjects that proceed through a multistep drafting process that utilizes both teacher and peer editing. Students will also study informal forms of writing and multiple forms of compositions based on both prose writings and nonfiction readings. To be successful in this course, students will also be required to analyze graphics and images in relation to texts, and in some cases as replacements for texts themselves.

A major focus of the second semester of this course will center around the student development of research skills and ability to evaluate and use both primary and secondary sources, conducting self-driven research and revision of their work. Students who choose to enroll in this course will take the AP Language and Composition Exam in May to earn college credit from this course, and will also be responsible for passing the NYS English Exam in either January or June for graduation. *Prerequisite: successful completion of English 10R/10H. *It is highly recommended that a student entering Advanced Placement 11 has an average of at least 85 to be successful in an advanced course.*

136 English 12
Grade: 12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

English 12R consists of a number of thematic units which include classic and modern works. Literature papers on theme, character, symbolism, etc. will accompany the literature. Students will also do two (2) research papers on topics related to literature. Critical thinking processes and communication skills are stressed. *Prerequisite: successful completion of English 11R/11AP.*

140 The Hero's Journey
Grade: 12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks)

This Course will focus on the theory of the monomyth, introduced by Joseph Campbell in 1949, and its impact on literature and film. Students will use Campbell's theory as a focusing lens to examine popular works. *Preference will be given to seniors who have successfully completed ELA 11/AP English 11.*

142 Creative Writing
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 2nd semester)

In this course, students will participate in an in-depth examination of the creative writing process. Focusing on both fiction and nonfiction, students will write their own work while reading and examining samples from writers who have perfected the craft. *Preference will be given to seniors who have successfully completed ELA 11/ AP English 11.*

144 ACE English
Grade: 12 **GPA Weighting: 1.13**
Unit of Credit: 1 (40 weeks)
College credit available

Students will experience the typical curriculum taught in the freshman year at college. The first semester (CCC course number EN1010) will focus on essay writing designed to sharpen the student's perceptions of the world and to facilitate communication with clarity, unity, organization and depth. Assignments will include expository writing, the structure of argument, and advanced research techniques, including two 5-8 page research assignments. Students will also be required to show mastery of punctuation and sentence structure after being guided through appropriate reviews of written convention rules in the textbook. The second semester work (CCC Course number EN1020) will advance the critical and analytical abilities begun in the first semester by in-depth literary analysis essays on *many* works of fiction, poetry, and drama. Students will then be required to write a third 5-8 page research paper on a selected author, genre / regional or thematic style.

The scoring of papers will adhere to the rubric designed by the Corning Community College faculty. Students will receive a letter grade for their college transcript at the end of each semester for both college courses (and the corresponding numerical percentage grades at the end of each marking quarter, which will become part of their high school GPA). ** It is highly recommended that a student entering ACE English has an average of at least 85 to be successful in an advanced course.*



FOREIGN LANGUAGE

The study of a second language is available for you to learn to communicate and think in a different language and to study and appreciate the culture founded upon that language. A sequence in a second language is now part of the requirements for a Regents diploma.

HCS provides a unique college-level opportunity for students who, at the completion of our two offered college-level classes, can earn up to 18 college credit hours.

330 Spanish I
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Spanish I introduces the Spanish language and Hispanic culture to the beginning level student. The class stresses skills, knowledge and cultural insight for basic communication and treats grammar and structure as aids to communication. Students will reach the elementary levels of proficiency in the basic communicating functions (socializing, receiving and obtaining information, expressing feelings, and persuasion). Credit for Spanish I may be earned by passing the Spanish Proficiency Exam given at the end of the 8th grade Spanish program.

331 Spanish II
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Spanish II reviews and expands the skills, knowledge and cultural insights of Spanish I and continues to treat grammar and structure as supplementary to the primary objective of communication. As students express descriptions, events and ideas, they build vocabulary and skill at guessing and inferring meaning. They will learn irregular and special construction as well as the grammatical forms needed to express ideas in the past, present, and future time frames.

Prerequisite: Spanish I or equivalent credit or proficiency.

332 Spanish III
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Spanish III extends the skills, knowledge and cultural insights of Spanish I and Spanish II to a greater depth and variety. Students are expected to communicate in both speaking and writing with increased vocabulary and complexity of verb tenses. Reading comprehension involves high-level translation skills and authentic realia. Students are encouraged to improve listening skills and to use the Internet as a means of communication with native speakers.

Prerequisite: Spanish II or equivalent credit or proficiency.

333 College Board Spanish
Grade: 11-12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

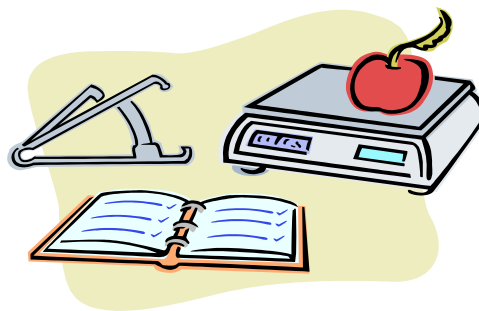
Spanish IV offers those students who have passed the New York State Regents Exam a flexible program to further build their speaking skills, knowledge, and cultural insights in Spanish. In addition to the credit earned at HCS, college credits may be earned in a college-level exam (CLEP exam) accredited by the College Board (Up to 12 credit hours can be earned). Stress will be placed on the increased ability to think, speak, read, and write in Spanish. Being able to converse and read fluently is the overall objective of this course. Literature selections will include a variety of works from international authors.

335 AP Spanish
Grade: 12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

AP Spanish prepares students for the Advanced Placement Spanish Language Examination. If successful in both college-level Spanish classes, students have the opportunity to earn up to 18 college credit hours; this college Spanish class offers students the opportunity to earn 200-level college credit. Students enrolled in this course will practice grammar usage in the context of authentic literature and media materials such as newspapers, magazines, and internet resources. The course is designed to be immersive in the Spanish language, with a stress on natural conversation abilities and an emphasis on famous Spanish/Latino short stories as a lens into Spanish culture and history.

HEALTH

Health education is a required course for graduation. It is normally scheduled in the tenth grade but may be taken in the eleventh or twelfth grade if scheduling problems arise.



704/705 Health
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks - 1st semester and 2nd semester)

The 10th grade health course allows students to apply and personalize the basic health skills while engaging in a variety of health topics and focusing on how each topic impacts their life. Through completing this course, students will be able to build a strong base for mental/emotional, social, and physical health. The major emphases of the course are stress management, violence prevention, decision making, planning and goal setting, communication, advocacy, relationship management, self-management, tobacco, alcohol and other drugs, sexual education (HIV/AIDS, sexual risk, family life) physical activity and nutrition, and unintentional injury prevention. The opportunity for the development of basic knowledge, attitudes, and behaviors is offered through classroom discussion, individual assignments, group projects, and skills based learning. One goal of the class is for the student to become actively involved in understanding and controlling their own health.

708F Senior Seminar
Grade: 12 GPA Weighting: 1
Unit of Credit: 1/2 (40 weeks)

Senior Seminar is a required course for graduation. Students will be able to develop the necessary skills to be college and career ready, while also mastering necessary life skills. The goal of this course is to prepare students for the expectations of the real world. This will be achieved through holding students accountable to similar expectations they will be required to follow in a career, college, or military field; work that reflects your best efforts, punctuality, responsibility, and communication. Many of the experiences in Senior Seminar will be application and practice, and in some aspects final products. The course methods will include readings, lectures, class discussions, handouts, and projects. All assignments must be completed on time and according to the specific directions given.

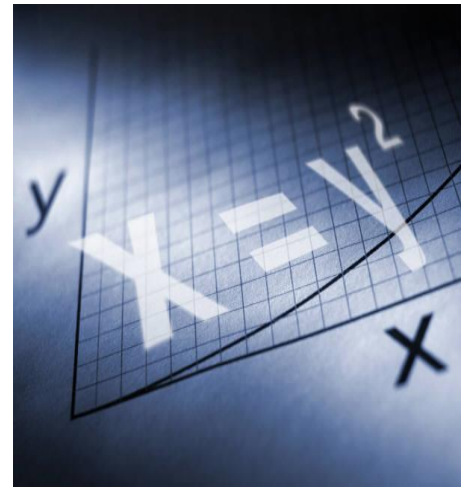
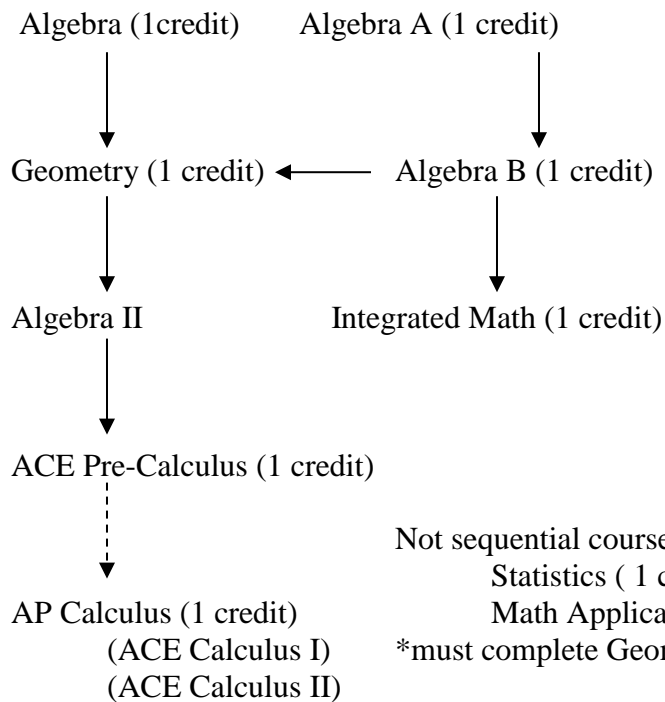
709 Psychology
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks - 2nd semester)

The objective of the high school psychology course is to provide students with an awareness of the history of Psychology, the learning strategies and techniques in the field of Psychology, emotions, and how they motivate our actions, altered states of consciousness, behavioral and cognitive theories of personality, abnormal behaviors and therapy, and various careers related to psychology. The student will be required to complete assigned readings, complete written assignments, do a satisfactory job on quizzes and tests and participate in class discussions and activities.

MATHEMATICS

The math courses offered are designed to meet a variety of interests and ability levels. The materials used reflect changes occurring in the use of mathematics within our society. Three units of credit in mathematics are required for graduation along with passing the required New York State Regents exams.

The following are the math sequences most frequently chosen by students. You may follow other course sequences. These may be arranged on the basis of your individual needs by consulting your counselor and math teacher. Students planning to attend a 4 year college would normally pursue an advanced Regents math sequence.



Not sequential courses:

Statistics (1 credit)*

Math Applications for Business (1 credit)

*must complete Geometry or Integrated math as pre-requisite

- After completion of Algebra and Algebra B, students will take the New York State Algebra exam.
- After completion of Geometry and Algebra II, students will take a New York State exam in that course.

202 Algebra
Grade: 9 **GPA Weighting: 1**
Unit of Credit: 1

This course covers all material for the NYS Algebra exam in June of each year. This is a rigorous course designed to work at a fast pace. Topics to be covered are arithmetic, algebraic expressions, trigonometry, shapes, geometry, error and magnitude in measurement, probability, statistics, solving linear equations and inequalities, etc.

203 Algebra II
Grade: 11-12 **GPA Weighting: 1.08**
Unit of Credit: 1

This course covers all the material for the NYS Integrated Algebra Exam in June of each year. This is a rigorous course designed to work at a fast pace. Successful completions of this course along with Geometry are required for an Advanced Regents diploma. Topics to be covered include, but are not limited to: systems of equations, patterns, sequences, composition of functions, coordinate geometry, trigonometric functions, statistics, and probability.

Prerequisite: successful completion of Geometry

209 Algebra A
Grade: 9 **GPA Weighting: 1**
Unit of Credit: 1

This course begins the preparation for the NYS Algebra exam. This is the first of two full year Algebra courses. Students will take the exam after completion of Algebra B. Topics to be covered are arithmetic, operations, linear equalities and inequalities, etc.

210 Algebra B
Grade: 9-10 **GPA Weighting: 1**
Unit of Credit: 1

This course finishes the preparation for the NYS Algebra exam. This is the second of two full year Algebra courses. Students will take the state exam after completing this course. Topics to be covered are probability, statistics, error and magnitude in measurement, trigonometry, shapes, geometry, algebraic expressions, etc.

Prerequisite: Successful completion of Algebra A

218 Geometry
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1

This course covers all material for the NYS Integrated Geometry Exam in June of each year. This is a rigorous course designed to work at a fast pace. Topics to be covered are lines and planes, solid figures, coordinate geometry, transformations, constructions and loci, congruent figures, proofs, etc.

Prerequisite: Successful completion of Algebra or Algebra B

237 ACE/AP Statistics**Grade: 12****GPA Weighting: 1.13****Unit of Credit: 1**

This is a 4 credit hour (if taken for ACE credit through Corning Community College) introductory course on statistics: the science of collecting, describing, and interpreting data. Students will learn how data is collected, how it can be described graphically and numerically, and how it can be interpreted to make decisions about a population of people or objects. Probability and probability distributions are also discussed. The statistical software Minitab and the TI-84 graphing calculator will be used extensively throughout the course.

Prerequisite: Completion of Geometry or Integrated Math

233C ACE Pre-Calculus**Grade: 12****GPA Weighting: 1.13****Unit of Credit: 1 (40 weeks)**

This course has been created by CCC and is designed for students with an above average ability in mathematics and is intended primarily for the college bound student. Some of the topics included are advanced algebra with theory of polynomials and solving nth degree equations, number systems, analytic geometry with conic sections, elementary functions, complex numbers, advanced techniques of graphing, matrices and determinants and introduction to basic calculus. Other topics may be included as time, interest, and ability allows. Successful completion of this course will lead to earned college credit.

Prerequisite: Algebra 2/Trigonometry

234 AP/ACE Calculus I/ACE Calculus II**Grade: 12****GPA Weighting: 1.13****Unit of Credit: 1 (40 weeks)**

The syllabus will follow the ACE calculus format, which will cover more than enough material to prepare students for the AP Calculus AB exam. The course format will allow students to sign up for local, ACE and the AP exam.

The Syllabus will include a review of basic functions, limits, derivatives and their applications, basic integrals and their applications, and the fundamental theorem of calculus. Additional topics to be covered in class might include parametric, polar, and vector equations; L'Hopital's Rule; Newton's Method; advanced integration techniques; and/or analysis of infinite sequences and series.

Graphing calculators will be used extensively throughout the course, and time will be spent investigating the proper role of this technology in solving calculus problems and exploring calculus concepts.

368 ACE Applied Business Math & Personal Budgeting /BUSN1033 & BUSN 1003
Grades 11 &12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

Three and a half college credits available through Corning Community College

This college level course uses the four arithmetic processes and the algebra of business. Students will gain experience in problem-solving through the application of mathematics using typical business problems. Taxes, insurance, payroll, depreciation, trade and cash discounts, markup, simple interest and bank discounts, and financial statements analysis are topics covered in this course.

In addition to applications in business math, an introduction to personal budgeting is included in the course. Preparation and analysis of a budget, understanding credit reporting agency procedures and credit reports, overview of types of credit, effective credit card use, and establishing financial goals are topics that will be covered. This element of the course is intended to prepare students for independent financial responsibility.

This course may either be used as a math credit or a business credit. Successful students will earn 3.5 credit hours of college credit that may be transferred to a higher education institution.

MUSIC

Our music offerings prepare students for vocational possibilities as well as enhancing leisure time. A major sequence in music can prepare a student for a college major or minor in music. A requirement in all performing group courses is that students must perform in all major band or choral concerts to successfully complete the respective courses.



606 Senior High Choir
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1/2 (40 weeks)

The purpose of this course is to offer any student (grades 9-12) ample opportunity for proper development of his/her singing voice. Rehearsals are held every other school day and there are 3-4 concerts given during the course of the year. Good rehearsal attendance is expected and concert attendance is mandatory. Private or small group voice lessons may, (depending on scheduling), be available for students that will be preparing solos for adjudication. In rehearsals and lessons, students will learn about proper vocal technique and developing their musicianship and musical literacy. Opportunities for solo and small group singing will also be available to students enrolled in choir.

Two years of this course meets the Fine Arts graduation requirement. Other courses meeting this requirement can be found in the Art, Technology Education and Home and Careers sections of the this booklet.

608 Senior High Band
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1/2 (40 weeks)

This course is designed for all high school students who have demonstrated proficiency on an instrument and have participated in junior high band. The student should have completed an intermediate level book and be able to perform all major scales. Students are required to attend all rehearsals and performances. Students will also attend regularly scheduled lessons. Students will be exposed to more difficult music and will be expected to demonstrate a willingness to work intensely in rehearsals. There will be three or four evening performances each school year where attendance and concert attire are required.

Two years of this course meets the Fine Arts graduation requirement. Other courses meeting this requirement can be found in the Art, Technology Education and Home and Careers sections of this booklet.

Prerequisite: One year of instrumental music lessons or Junior High Band.

609 Jazz Band
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1/2 (40 weeks)

Jazz Band is designed to perform and increase the awareness of Jazz music and jazz performing styles. The course will focus on improving the student's rhythmic reading ability, the ability to read advanced notational symbols and introduce the student to basic improvisational skills. Jazz Band is a performance-oriented course. Students will be required to perform in front of an audience three to five times a year to demonstrate their ability to perform and understand Jazz music. Concert attire is required. Students are also required to attend lessons. This course is open to all current band members or students who are proficient on one of the following instruments: guitar, bass guitar, or keyboards. The number of students accepted on certain instruments will be limited to insure proper balance and instrumentation of the group.

610 Music In Our Lives/Guitar
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)
Offered every other year

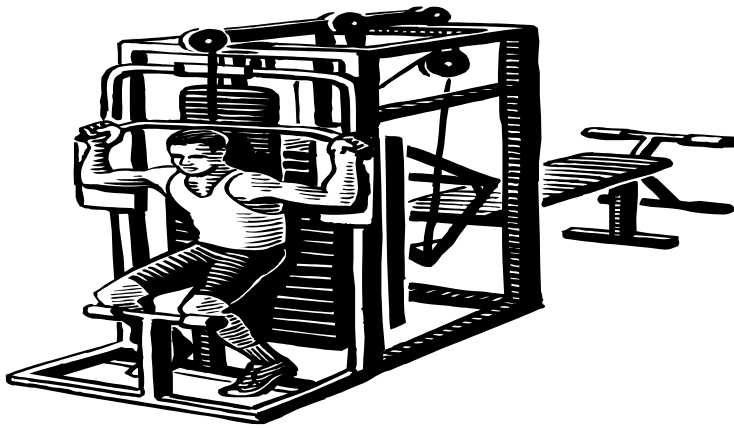
The course deals with the role of music and its importance in our lives. It will be an active study of how music says who we are as human beings and how we express ourselves through music. The performance part of the course will give the student the opportunity to learn how to play the guitar. Students learn basic music theory, classical style guitar playing and chords for folk playing, background information on string instruments, and historical information on professional guitarists. Each marking period, the class presents a recital of music they have learned.

611 Music In Our Lives/Piano
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)
Offered every other year

The course deals with the role of music and its importance in our lives. It will be an active study of how music says who we are as human beings and how we express ourselves through music. The performance part of the course will give the student the opportunity to learn how to play the piano. The content includes learning basic music theory and terms, studying the background of the piano, discussing famous keyboard composers and analyzing piano method books. A recital by the students is given each marking period.

618 History of Jazz
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 1st semester)
Offered every other year

A survey course which outlines the development of Jazz from the Blues to Modern Jazz. This course will require students to research, analyze, and listen to many forms of jazz music, starting with Scott Joplin to the Jazz Age, the Swing Era, Be Bop, Modern, and Jazz Rock.



PHYSICAL EDUCATION

Physical Education classes are a required part of the high school curriculum for all students. A variety of activities are offered at each grade level. Emphasis is placed on lifetime activities and developing a positive attitude toward physical exercise.

- 555 9th Grade P.E.**
- 557 10th Grade P.E.**
- Grade: 9-10 GPA Weighting: 1**
- Unit of Credit: 1/2 (40 weeks)**

Course offerings in grades 9 and 10 are primarily team sport activities although some individual/dual sport activities are also offered when time, class size and facilities permit.

- 559 11th Grade P.E.**
- 561 12th Grade P.E.**
- Grade: 11-12 GPA Weighting: 1**
- Unit of Credit: 1/2 (40 weeks)**

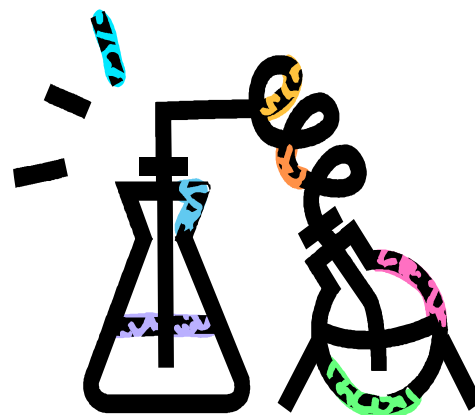
In grades 11 and 12, a selective program is offered where students select the activities in which they wish to participate, always having a choice of either a lifetime activity or a team sport. The offerings are mainly leisure type activities which can be engaged in as lifetime sports.

The following activities are offered and covered in the program:

- | | | |
|-----------------|-----------------------------|-----------------|
| Archery | Jogging | |
| Badminton | Lacrosse | Table Tennis |
| Basketball | Physical Fitness Activities | Tennis |
| Boxball | Project Adventure | Touch Football |
| Dance (Aerobic) | Team Handball | Track and Field |
| Fencing | Recreational Games | Volleyball |
| Floor Hockey | Self Defense | Weight Training |
| Frisbee | Soccer | Orienteering |
| Gymnastics | Softball | Matball |
| Bowling | Golf | |

The interscholastic athletic program offers opportunities for both boys and girls to participate in the following activities:

- | | | |
|-----------------|------------------|------------|
| Baseball (boys) | Soccer | Track |
| Basketball | Softball (girls) | Volleyball |
| Cross Country | Tennis | |
| Cheerleading | Golf | |



SCIENCE

The science program offers a variety of courses to meet our students' interests and ability levels. Three units of credit in science are required for graduation. All the science courses have a laboratory requirement which must be allowed for in a student's schedule. Further, all labs must be satisfactorily completed in order to be eligible to take the final/Regents exam. Any lab time that is missed must be made up in order to meet state lab time requirement for admission to Regents exams.

Science Course Order Options

Grade	Option 1 New Recommendation (Physical Science in 7th)	Option 2 Advanced Track	Option 3 2 Year Earth Science
7	MS Physical Science	MS Physical Science	MS Physical Science
8	MS Life Science	Living Environment (Regents)	MS Life Science
9	Earth Science (Regents)	Earth Science (Regents)	Earth Science A
10	Living Environment (Regents)	Chemistry (Regents)	Earth Science (Regents)
11	Chemistry, Physics <i>or</i> AP Bio <i>or</i> Integrated Science	Chemistry, Physics <i>or</i> AP Bio <i>or</i> Integrated Science	Living Environment (Regents)
12	Chemistry, Physics <i>or</i> AP Bio <i>or</i> Integrated Science	Chemistry, Physics <i>or</i> AP Bio <i>or</i> Integrated Science	Chemistry <i>or</i> Physics <i>or</i> AP Bio <i>or</i> Integrated Science

261 Environmental Science
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks)

Environmental Science is a course designed primarily for Junior and Senior Science students. It can be used as the 3rd science credit for graduation or as a 4th elective science credit. Students must have successfully completed at least two prior science courses. Topics of study include Limnology, energy resources, environmental management, along with current local, national, and global environmental issues. Laboratory work is essential for successful completion of this course and acceptance of a final project. A final assessment will consist of developing and carrying out an in-depth science experimental investigation.

262 Experimental Design and Consumer Analysis
Grade: 11-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks)

Experimental Design and Consumer Analysis is a course designed primarily for Junior and Senior Science students. It can be used as the 3rd science credit for graduation or as a 4th elective science credit. Students must have successfully completed at least two prior science courses. Students will design investigations to determine the values and effectiveness of various consumer products using a multi-discipline approach. Laboratory work is essential for successful completion of this course and acceptance of a final project. A final assessment will consist of developing and carrying out an in-depth science experimental investigation.

268 Earth Science
Grade: 9 – 12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

Earth Science is a course designed to meet the state science requirement. It deals with the origin of the planet Earth and the formation of its major interior and exterior features, as well as the composition of the crust, forces acting upon the earth's surface and interior, the nature and motion of heavenly bodies and their relationship to the earth, and the study of weather and climate. Students will be expected to take the Earth Science Regents exam at the end of the course. Laboratory work is essential for the completion of this course and admission to the Regents exam.

268A Earth Science A
Grade: 9 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

This course begins preparation for the Regents Earth Science Exam. This is the first of two full-year Earth Science Courses. Students will take the exam after the completion of Earth Science. Topics covered include Exploring Planet Earth, Earth's Changing Surface, Weather and Climate and Astronomy. Laboratory work is essential for the completion of this course.

273 Living Environment
Grade: 9-12 GPA Weighting: 1
Unit of Credit: 1 (40 weeks)

The Living Environment course is a course designed to meet the state science requirement. It is an introductory biology course covering the following general areas: unity and diversity of living things, functioning of living things, human physiology, reproduction and development, heredity, evolution and ecology. Laboratory work is essential for the completion of this course and admission to the Regents exam. Students are expected to take the Living Environment Regents exam at the end of the course.

275 Integrated Science
Grade 11-12 GPA Weighting: 1
Unit of Credit: 1 (40 Weeks)

Integrated Science is a course designed primarily for Junior and Senior students. It can be used as the 3rd science credit for graduation or as a 4th elective science credit. Students must have successfully completed at least 2 prior science courses. Topics such as forensics and environmental issues will be investigated by a multi-discipline approach that integrates all the science disciplines. Laboratory work is essential for successful completion of this course and acceptance of final project. A final assessment will consist of developing and carrying out an in-depth science experimental investigation. *Prerequisite: A full program of study in two science disciplines.*

278 Chemistry
Grade: 10-12 GPA Weighting: 1.08
Unit of Credit: 1 (40 weeks)

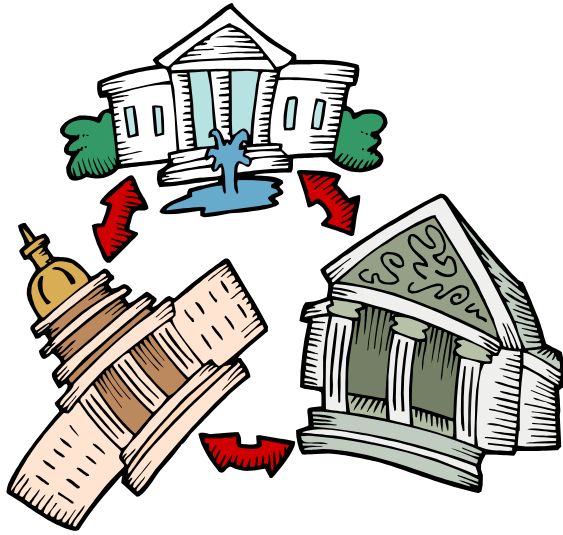
Chemistry is a course designed for students interested in a rigorous academic program. It fulfills a requirement for a regents science sequence. Chemistry is the study of matter and how it is put together. This course covers atomic structure, bonding, kinetics, acid and bases, electrochemistry, and organic chemistry. Mathematical calculations are a necessary part of the course. Lab work is essential to the course and for admission to the regents exam. Students are expected to take the Chemistry Regents exam at the end of the course.

282 Physics
Grade: 11-12 GPA Weighting: 1.08
Unit of Credit: 1 (40 weeks)

Physics is a rigorous course designed for college-bound students; particularly those interested in a science or technical career. Physics stresses math for problem solving and understanding concepts, therefore the student should have facility to manipulate and solve algebraic formulas and basic Trig functions. Topics studied include mechanics, wave motion, electricity and nuclear and atomic theories. Students are expected to take the Physics Regents exam at the end of the course. Laboratory work is essential for the completion of this course and admission to the regents exam.

284 AP Biology**Grade: 11-12****GPA Weighting: 1.13****Unit of Credit: 1 (40 weeks)**

AP Biology is designed to offer students a solid foundation in introductory college-level Biology. The course is structured around the College Board's AP Biology Curriculum Framework, which emphasizes the process of inquiry in science and critical thinking skills. By the end of the course, students will develop an awareness of the integration of other sciences in the study of Biology, understand how the species to which we belong is similar to, yet different from, other species, and be knowledgeable and responsible citizens in understanding biological issues that have global implications. To be successful in AP Biology, students must demonstrate competence in Math and Chemistry. In addition, students must be committed to a rigorous workload that involves lab work, projects and critical analysis of scientific articles. Students are expected to take the AP exam in May and, if not previously taken, the Living Environment Regents in June. *Prerequisite: Successful completion of Chemistry and Geometry Regents exams.*



SOCIAL STUDIES

The social studies program is designed to allow students to develop critical thinking skills, analyze basic value positions and to be aware of the heritage of the past. Contemporary events are taught in all courses. The over-all goal is to help prepare students for effective roles in a democratic society. In each of the courses 168,172, 177, and 187 listed below, an honors section or advanced placement section is available for students demonstrating high academic success and a strong work ethic.

- 168 Global History and Geography**
Grade: 9 GPA Weighting: 1
172 Grade: 10 GPA Weighting: 1
Unit of Credit: 1 (40 weeks total)

This sequence of courses is designed to introduce students to the political, social, and economic evolution of humankind. The social studies concepts of belief systems, change, culture and intellectual life, diversity, economic systems, human-environment interaction, geography, imperialism, interdependence, justice and human rights, movement of peoples and goods, nationalism, political systems, science and technology, and urbanization are thoroughly explored as they relate to specific areas and time periods. The course is presented in a chronological and thematic format. The first year covers Prehistory through the Age of Enlightenment; the second year continues from that point through the global issues of today. Current events are incorporated throughout the two years. Emphasis is placed on the development of comprehensive writing skills and preparation for the Global History and Geography Regents given at the conclusion of the second year.

- 169 Global History and Geography Honors**
Grade: 9 GPA Weighting: 1.08
173 Grade: 10 GPA Weighting: 1.08
Unit of Credit: 1 (40 weeks total)

The Honors sections of Global History include the same scope and sequence as Global History I & II. In addition, students more thoroughly explore the people, documents, philosophies and events that have impacted history. The course stresses individual research, primary source reading, and critical analysis. It is preparatory for Advanced Placement United States History.

177 United States History and Government
Grade: 11 GPA Weighting: 1.00
Unit of Credit: 1 (40 weeks)

This class begins with the Exploration and Colonization of the Americas followed by an overview of the structure and evolution of the U.S. Constitutional Government up to 1865. The history of the U.S. is then traced from the “Rise of American Business, Industry, & Labor” through to “America of the Twenty-First Century.” A chronological approach considering the social, economic, and political impact of historical events will emphasize individual student writing and analytical classroom discussion. Students will use a variety of intellectual skills to demonstrate their understanding of the:

- ◆ major ideas, eras, themes, developments, and turning points in the history of the United States and examine the broad sweep of American history from a variety of perspectives.
- ◆ necessity for establishing the governmental system of the United States, the United States Constitution, the basic civic values of American constitutional democracy, and the rights, roles, and responsibilities of citizenship in the United States.
- ◆ geography of the interdependent world in which we live - local, national, and global - including the distribution of people, places, and environments over the United States.
- ◆ United States economic system and associated institutions to allocate scarce resources, how major decision-making units function in the United States, and how the U.S. government solves the scarcity problem through market and non-market mechanisms.

Prerequisite: Global History II

178 AP U.S. History and Government
Grade: 11 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in American History. The program prepares students for intermediate and advanced college courses by making demands on them equivalent to those made by full-year introductory college courses.

Students will prepare for the Advanced Placement examination in United States History prepared by the College Board. Most colleges and universities offer credit for successful completion of this course. (There is a fee for this examination. Students will also be required to take the NYS Regents Exam).

Balance will be placed between teaching factual knowledge, critical thinking and writing skills. Interpretation of documents and other primary sources, the practice of research methods and techniques, role playing, and cooperative learning will be integral components of the course. Candidates for Advanced Placement should possess a high degree of self-motivation and a willingness to discuss issues. They should have excellent reading, writing and analytical skills and be accustomed to managing their assignments in a punctual fashion.

The requirement to enter into A.P. United States History includes: students to earn an overall average and Final Exam Score of 85% in Global Studies II and English 10R.

182 Economics and Economic Decision-Making
Grade: 12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks - 2nd semester)

This course will deal with the basic concepts and principles of economics, the major elements of economic systems and the roles of various components of those systems, including the consumer, business, labor, agriculture and government. The major focus is on the economy of the United States, but

attention will be given to the world economy as a whole and to other economic systems. There will be an emphasis on economic decision-making at all levels throughout the course. This course is a required course for graduation. *Prerequisite: U.S. History & Government*

187 Participation in Government
Grade: 12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 1st semester)

This course is taught through the representative study of practical relationships between members of society and the various branches of our federal, state, and local governments. Topics are considered through the exploration of problems that confront both the individual and society on a personal and national level. Sample topics of consideration might be students' rights, the aging process in America, abortion, euthanasia, and affirmative action. Topics of major discussion are supplemented with a consideration of current events using a national newsmagazine that is provided as a student resource.

This course builds upon previous knowledge of the structures and procedures of government by requiring the students to analyze problems and develop practical solutions. Solutions to issues considered are not viewed on a right or wrong basis, but on a consideration of process: How was a resolution to the problem developed and systematically supported. This is a required course for graduation. *Prerequisite: U.S. History & Government*

AP U.S. Government & Politics
188 Grade: 12 GPA Weighting: 1.13
Unit of Credit: 1 (40 weeks)

AP U.S. Government & Politics a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other tests and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

366 ACE Economics/ECON2001 Principles of Economics-Macro
Grade: 12 GPA Weighting: 1.13
Unit of Credit: ½ (20 weeks--1st or 2nd semester)
Three college credits available through Corning Community College

ACE Economics will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Topics covered include U. S. macro-economic goals, the American market system, price determination, distribution of income, government taxation and spending, fiscal policy, and monetary policy. Students will utilize the same textbook and curriculum as Corning Community College.

TECHNOLOGY EDUCATION

The Technology Education courses are available to all students who wish to gain knowledge in the areas of Communication and Production. A Regents sequence may be earned entirely within this curriculum or in an interdisciplinary program with Business and Home & Careers. A 5-unit sequence in Technology Education may be taken in lieu of a 3-unit Foreign Language sequence. Technical Drawing satisfies Fine Art requirements.



The following flowchart indicates the suggested sequence of courses:

8th Grade: Career & Financial Management offered by the Business Dept.

9th Grade: Materials Processing and Communication Systems

10th-12th Grades: The following electives are offered as indicated in the course descriptions:

Communications

Technical Drawing
Computer Aided Drafting
Photography
Computer Graphics
Communication Systems
Web Design

Production

Robotics I-II-III
Manufacturing Systems
Construction Systems
Engineer Your World

412 Engineer Your World

Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1 (40 weeks)

This full-year course examines authentic engineering practices in a project-based environment. It is 80% hands-on, teacher guided, and student driven. Engineering (&21st Century) skills will be learned including: Creativity and Innovation, Critical Thinking and Problem Solving, and Communication and Collaboration. Several engineering fields and professions will be investigated.

415 Communication Systems

Grade: 9-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 1st & 2nd semester)

This course explores a variety of communication (computer electronic, graphic, audio and video) methods.

Examples of the types of projects include: using software for page layout, researching and presenting historical methods of communication, putting graphics into various software programs so they enhance documents and publications, studying and developing logos for companies, exploring the typefaces available and when to use each, studying the elements of design, making specialized electronic and printed documents.

416 Materials Processing
Grade: 9 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 1st or 2nd semester)

This course provides classroom and laboratory experiences with the materials and processes commonly used for secondary processing in industry. These materials include wood, metal, plastics, and composites. Students will use Raspberry Pi and coding in Python to experiment with computer control of mechanical systems.

417 Technical Drawing
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks - 1st semester)

This course covers the basics of industrial design and drawing. Very precise drawings are made using traditional drafting methods and equipment: drawing board, t-square, various pencils, special equipment, etc. Of the three types of drawings (mechanical, electrical, and architectural) the emphasis is on the mechanical type and consists of individual parts and pieces of working machines and equipment. Drawings are two and three dimensional in nature. The importance of being able to read and understand a ruler will be stressed throughout the course and cannot be emphasized enough as a basic needed skill. Lines and drawings must be neat, crisp, and correctly made. Special attention must be made to every detail while keeping creativity to a minimum. Standardization is the rule rather than the exception. This course satisfies one-half the one unit Art/Music graduation requirement for all students.

418 Computer Aided Design
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks - 2nd semester)

This course is a continuation of Technical Drawing. Very precise drawings are made using computer software. Of the three types of drawings (mechanical, electrical, and architectural) the emphasis is on mechanical and architectural types of drawings. Traditional drawing concepts are reviewed on the computer desktop and new skills are explored as well. The importance of being able to read and understand a ruler will be stressed throughout the course and cannot be emphasized enough as a basic needed skill. This course satisfies one-half of the one-unit Art/Music graduation requirement for all students. *Prerequisite: Technical Drawing*

419 Photography
Grade: 10-12 **GPA Weighting: 1**
Unit of Credit: 1/2 (20 weeks – 1st & 2nd semester)

This course is designed to give students an appreciation of digital camera use. Emphasis is placed on basic composition techniques (what makes a good picture), how to use a camera, projects involving using the digital cameras and photo editing software. The majority of photographs are to be taken at home and not during class. We do have a limited number of 35mm digital style lens retler (DSLR) that students may sign out and use. Student are encouraged to use personal digital cameras as well.

420 Computer Graphics
Grades: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 1st semester)

In this course we study the role of editing graphic electronic images. Some portions of the projects involve experimentation of software techniques. Other projects include: a review/study of typography, elements of design, computer animations, digital layout, with some studies in scanner and digital camera equipment. Students research graphic file types and how to include them in other documents. Many of the listed projects require students to experiment and test effects of software on graphic images. Emphasis is placed on using digital graphics to enhance digital documents.

427 Robotics I – Introduction to Robotics
Grade: 10-12 GPA Weighting: 1
Unit of Credit: ½ (20 weeks, Fall or Spring)

This class builds upon the skills learned in the robotic units in Introduction to Technology in 7th and 8th grad. Students will build a VEX ClawBot and learn to control its' behaviors using VEX coding software. Progressively more demanding challenges will require the use of sensors and simple modifications of the robot.

427B Robotics II – Robotic Design
Grade: 10-12 GPA Weighting: 1
Unit of Credit: ½ (20 weeks, Fall or Spring)
Prerequisite, Robotics I

Using the basic knowledge that they learned in Robotics I, students are presented with challenges that require them to design both the program and the robot in this class.

427C Robotics III - Advanced Competitive Robotics
Grade: 10-12 GPA Weighting: 1
Unit of Credit: ½ or 1 (Must begin in Fall Semester)
Prerequisite, Robotics I (Robotics II Preferred)

Each year schools from around the world are given a challenge to complete that requires advanced skills in both programming and building using the VEX platform. Students in this class will work on that challenge and compete in weekend VEX competitions on the weekends.

428 Manufacturing Systems
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 2nd semester)

This course provides instruction in the manufacturing aspects of production. Students will choose a product that will be mass-produced. Each student will be responsible for making one or more parts of the project. The parts will then be assembled by the entire class. Classroom topics include: Planning for production, product design, prototypes, product cost calculation, resources

for production, and impacts of manufacturing. The class is approximately 75-80% hands-on laboratory experiences and 20-25% classroom work.

429 Construction Systems
Grade 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks - 2nd semester)

This course provides instruction in the construction aspects of production. Students will build and test model structures to learn about material strength and product design. The class then constructs a full sized structure. Classroom topics include: Planning for construction, choosing appropriate materials, structural parts and functions, estimating cost for a structure, and the impacts of construction. The class is approximately 75-80% hands-on laboratory experiences and 20-25% classroom work.

431 Web Design
Grade: 10-12 GPA Weighting: 1
Unit of Credit: 1/2 (20 weeks – 2nd semester)

This course may be considered a beginning level course covering basic website design. Students have an opportunity to learn HTML as well as other software suitable for web creation. Along with website construction, the course will also focus on design.

BOCES TECHNICAL TRADES PROGRAM

All vocational programs offer a performance-based instruction and require assessment by authentic demonstration of student knowledge and ability. Program curricula are fully integrated and contain emphasis on the related academic skills and knowledge particular to that program. Assessment aims for mastery of competencies as defined by area business and industry, parents, and other external partners in education.

Juniors and seniors who have made specific occupational choices may enroll in one of the vocational programs taught at Coopers Education Center. Transportation is provided by the school district. If you desire to enroll in this program, you should see the school counselor for an application form and a copy of the complete course descriptions. Any student wishing to attend a vocational program must have completed all requirements of the sophomore year, **including two credits in math and two credits in science**, as well as be on track with grade level requirements.

- **All students must have completed or be currently enrolled in a 3rd unit of math to participate in the vocational program. For programs that do not include science in the curriculum, students will need to have to participate in a pull-out program at BOCES.**

Grade: 11-12

Unit of Credit: 4 in the 1st year, 4 in the 2nd year

All the following courses carry a GPA Weighting of 1

11th Grade - even numbered courses

12th Grade - odd numbered courses

440/441 Heavy Equipment/Conservation

***432/433 Auto Technology**

434/435 Auto Body

442/443 Building Trades/Construction

***448/449 Computer Information
Technology**

***712/713 Cosmetology**

***716/717 Criminal Justice**

**438/439 Engineering & Metal
Fabrication Technology**

468/469 Culinary Arts

436/437 Computer Graphics & Design

***714/715 Health Occupations**



**=3rd unit of Science embedded*