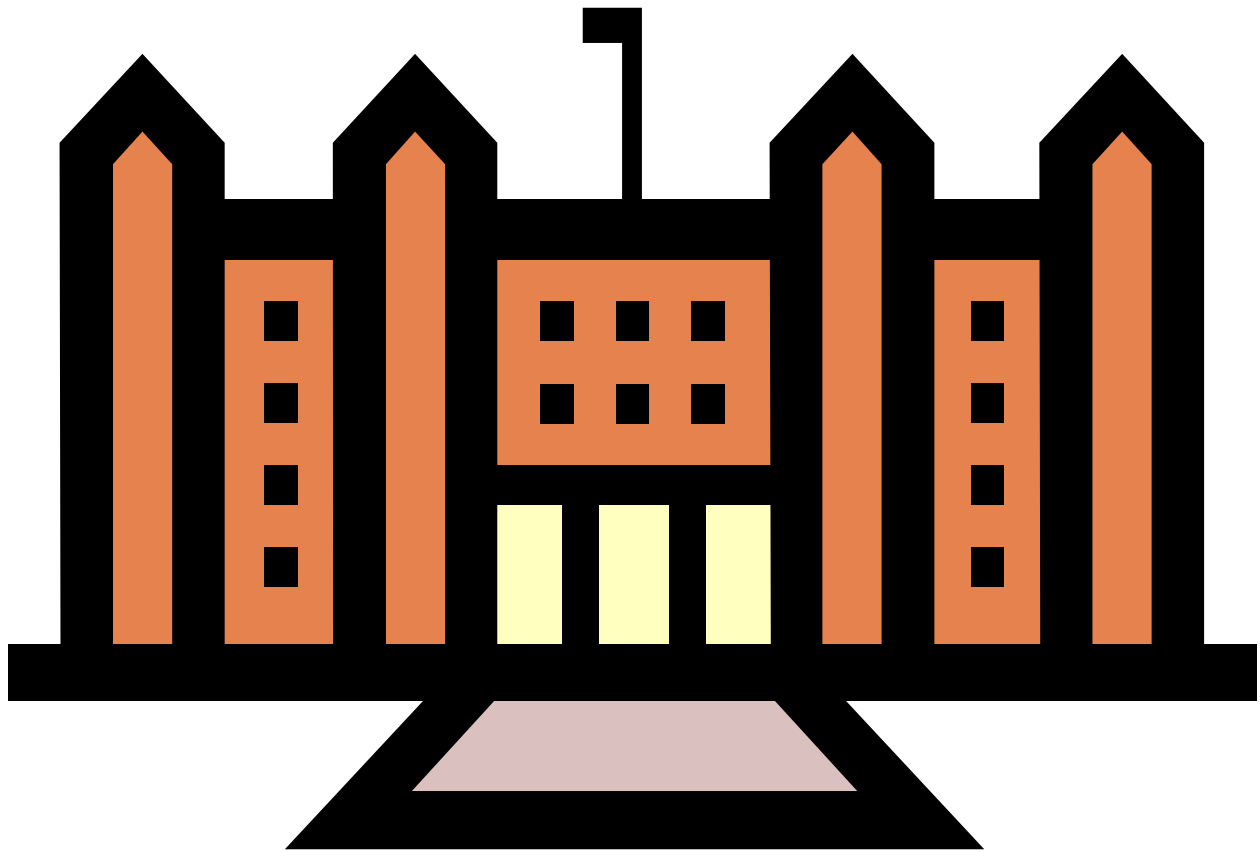


*Academic Studies Program
Curriculum Guide*



**NORTHVILLE JR/SR HIGH
SCHOOL**

The purpose of the Program is to provide a road map to a successful high school experience. As you will see, we offer many paths to success. Individuals are encouraged to choose the best path for them and to evaluate that path each year.

The Academic Studies Program outlines three aspects of our high school program.

1. An explanation of graduation requirements as specified by the New York State Board of Regents for both Regents and AR Diplomas.
2. Answers to commonly asked questions regarding various aspects of the high school program.
3. A list and description of courses and sequences offered by department.

Cooperation among parents, students and staff is necessary and very important when selecting a program of study that will provide for the educational needs of every student. The Northville Central High School staff will provide assistance to you in developing your program and will assist in the decision-making and problem-solving processes. Student conferences will be scheduled for this purpose. If you have any questions, you are urged to call the School Counselling Center.

SCHOOL PHONE: 863-7000

If dialing from a touch-tone phone, you may access each extension directly.

Secondary Administration

Mr. Healey, Principal 5208

Special Education Services

Mrs. Reidell, CSE Chair 5228
 Miss Dockerty, Psychologist 5213
 Mrs. Miller 4113
 Miss Feldman 5215
 Mrs. Curley 4106
 Mrs. Lawrence 5205

Pupil Personnel

Mrs. Izzo, School Counselor 5207
 Mrs. Rose, Social Worker 5201

English Department

Mrs. Henck 5230
 Miss Perrella 3029
 Miss Raffetto 5231
 Mrs. Wolf 4107

Social Studies Department

Ms. Tooley 5229
 Mrs. Coupas 4116
 Mr. Trimarchi 5211
 Mr. Karbowski 5218

Math Department

Mrs. Habla 4105
 Mr. Long 5217
 Miss Irie 5219

Science Department

Mrs. Craft 5239
 Mr. Reinke 5237
 Mr. Hoffman 5212
 Miss Charney 4117

Technology Department

Mr. Cancio 4114

Health/PE Department

Mr. Goodemote 4156
 Mrs. Niznik 4159
 Mr. Moore 4156
 Miss Stewart 3026

Foreign Language Department

Ms. Thomarie 5238
 Ms. Maher 5221

Arts Department

Ms. Purtell 5204
 Mrs. Sedon 3012

Music Department

Mrs. Pitcher 4128
 Ms. Henzler 3020
 Mrs. Matthews 3011

Career Development Department

Miss Fisher 5214
 Mrs. Holubetz 5240

The Northville Central School District does not discriminate on the basis of race, color, national origin, creed, sex, age or handicap as defined by law, and is in compliance with Title IX of the Education Amendments of 1972 and with Section 504 of the Rehabilitation Act of 1973.

The compliance officer for Title IX and Section 504 is Mr. Michael Healey. He is available between the hours of 8 a.m. and 3 p.m. telephone 863-7000 ext. 5208

Questions & Answers

1. What are graduation requirements?

All students must earn at least 20.5 units plus 2 units of Physical Education for a total of 22.5 credits. Every student in grades 9-12 must take a minimum of five units plus physical education each year. See Page 5.

2. What is a Unit of Study?

A unit of study relates to a course taken each school day for one school year. A half unit of study relates to a course taken each school day for one semester. A half unit may also be earned for a course taken on alternating days for one school year.

3. How is a student placed in a specific level of a course?

Judgments regarding the placement of a student in specific levels of a course are based on the student's past performance in the subject as well as the student's standardized testing record, where applicable. The subject teacher (s) makes a recommendation for the level of instruction appropriate for the next school year. Students, with parent request, may elect more challenging courses than recommended. *Such decisions must be considered seriously as changes during the school year could be very difficult.* Decisions are subject to review each year.

4. How is a student promoted from one grade to the next?

In general, promotion from one grade to the next shall be contingent upon the passing of all required subjects and the accumulation of the number of units shown below.

Class

To be a freshmen:

Promotion from 8th grade

To be a sophomore:

Five and one half units including one unit of English or Social Studies

To be a junior:

Eleven units including two units of English or Social Studies, and one unit of math and science

To be a senior:

A student must be able to meet graduation requirements by the end of the year.

5. How difficult is it to change my schedule of classes after the school year has started?

Course selection should be made carefully since opportunities to change courses are limited after the school year begins. Because the number of sections of each course is established by the number of students who sign up during the annual course selection time it is difficult to accommodate much change in individual students schedules after that time. Many times course sections are full or conflicts cannot be resolved. Also, courses in any department will be offered only if there is sufficient registration. A student may drop a course only with written permission of his/her parent/guardian and the approval of the subject teacher and the school counselor. Only under unusual circumstances may courses be dropped after the school year begins.

Course adjustments will NOT be processed for teacher preference or choice of a particular time for a class or study period/lunch.

6. What do colleges look for in college applicants?

Colleges look for students who have demonstrated success in the most challenging courses appropriate to each student. Each college admits students whose past records including standardized test results indicate success that will likely continue at a particular college or university. Colleges with specialized degree programs sometimes require performance reviews, such as an art portfolio or musical audition. Students pursuing admission into these specialized programs can enhance their college application credentials by completing sequences in a related program, such as music.

7. What do employers look for in job applicants entering the work force right after graduating from high school?

Employers look for job applicants who will be productive employees. This means individuals who have good math and communication skills and a willingness to learn new things. They want responsible people who get along with fellow workers and who take pride in their work. They expect that employees will come to work everyday and want to see a track record of good attendance in high school

8. Whom should I see for help?

The person who will guide you through your high school program is your school counselor. This person has your records and will assist you with all your major decisions. Your school counselor can help with subject information as well as career and college options related to their area of responsibility. Further, individual teachers and the school psychologist can be of significant assistance as advisors or even mentors. The entire Northville staff is committed to helping you make the most of your high school experience.

9. If I am a transfer student, are there courses that would not count towards a diploma?

The principal regarding transfer of credit will evaluate your transcript. Course credit will be determined individually.

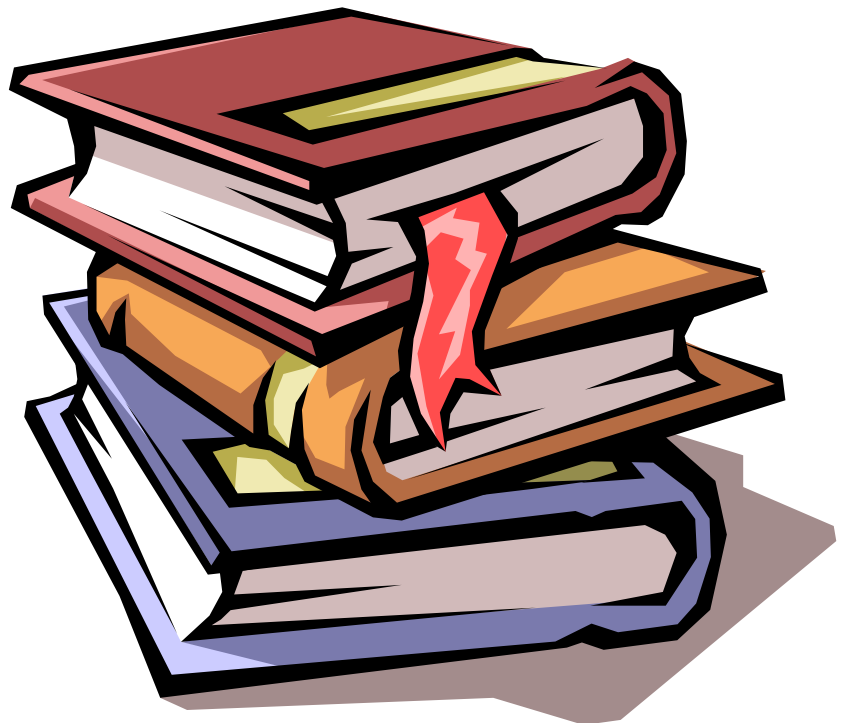
10. When will students become responsible for all new Standards requirements?

Those students entering 9th grade in 2001 and expected to graduate in 2005 and thereafter will be responsible for graduation requirements listed on p. 2. And State Exams also listed on p. 2.

11. What will their diploma choices be?

Those students will have 6 options:

- a) Regents with Advanced Distinction & Honors – 90% or above on all 8 Regents
- b) Regents with Advanced Distinction – 65% or above on all Regents taken
- c) Regents with Honors – 90% or above on 5 Required Regents
- d) Regents – 65% or above on 5 Required Regents
- e) IEP (Individualized Education Plan) - Diploma for Special Education students only
- f) GED (General Equivalency Diploma)



Graduation Requirements

English	4 Units
Social Studies	4 Units
Mathematics	3 Units
Science	3 Units
Foreign Language	1 Unit
Health	1/2 Unit
Career & Fin Management	1/2 Unit
Art/Music/Tech	1 Unit
Physical Education	Each semester Gr. 9-12
Electives	Units vary

Seniors also have the opportunity to use the **EARLY ADMISSION PROGRAM** to complete their senior year courses at Fulton-Montgomery Community College. Those courses required for graduation must be successfully completed at the college. Details and applications are available in the guidance office.

State Exam Requirements

For a Regents Diploma

REGENTS EXAMS IN ALGEBRA.....	GIVEN IN 9TH OR 10TH GRADE
REGENTS EXAMS IN A PHYSICAL (Earth Sci) or LIVING ENVIRN (Biology).....	GIVEN IN 9TH OR 10TH GRADE
REGENTS EXAM – GLOBAL HISTORY.....	GIVEN IN JUNE OF 10TH GRADE
REGENTS EXAM – ENGLISH LANGUAGE ARTS.....	GIVEN IN JUNE OF 11TH GRADE
REGENTS EXAM – U. S. HISTORY & GOVERNMENT.....	GIVEN IN JUNE OF 11TH GRADE

If any exam is failed, it must be retaken

For an Advanced Regents Diploma

Regardless of when you entered 9th grade, you must pass the following exams:

REGENTS EXAMS IN ALGEBRA I, GEOMETRY, AND ALGEBRA II/TRIGONOMETRY.....	GIVEN AT THE END OF COURSE
REGENTS EXAMS IN AT LEAST TWO SCIENCE COURSES.....	GIVEN AT THE END OF COURSE
REGENTS EXAM – GLOBAL HISTORY.....	GIVEN IN JUNE OF 10TH GRADE
REGENTS EXAM – ENGLISH.....	GIVEN IN JUNE OF 11TH GRADE
REGENTS EXAM – U. S. HISTORY & GOVERNMENT.....	GIVEN IN JUNE OF 11TH GRADE

PLUS

For an Advanced Regents Diploma with a Foreign Language sequence: Regents exam – Foreign Language

For an Advanced Regents Diploma with an Art, Music, or Business sequence: - 5 Units of study



English Education

A student is required to obtain 4 Units for either a Regents or Advanced Regents Diploma. Four credits of English and a score of 65 or better on the Comprehensive English examination is the requirement for a diploma. A student must take English 9, English 10, and English 11. A student has a choice of what senior English to take.

English 9	1 Unit
English 10	1 Unit
English 11	1 Unit
English 12	1 Unit
Writing Workshop	½ Unit
Myth & Legends	½ Unit
Public Speaking	½ Unit
English 103*	½ Unit
English 104 *	½ Unit

* College credit available

English 9

1 Year 1 Unit

The emphasis in this course is on the skills of reading, vocabulary development and writing. The literature is taught by genre: Novel, short story, poetry, and drama (Shakespeare). Because of the importance of vocabulary, the English 9 program has been modified to place greater emphasis on these areas. Composition work involves the teaching of language skills.

English 10

1 Year 1 Unit

This course, taken by most tenth graders, includes a survey of the major literary genres (Novel, essay, short story, drama, poetry) and specific instruction in various kinds of writing. In addition, instruction is given in vocabulary (selected from literature), conventions of standard written English, oral expression, research skills, and cooperative learning strategies. Students are expected to complete all major work in order to successfully complete the course.

English 11

1 Year 1 Unit

All students will have acquired as a minimum those language arts skills necessary to succeed on the Comprehensive English Regents given in January of the junior year. Many students will also take the SAT or ACT (college boards) examinations.

English 12

1 Year 1 Unit

Students will focus on reading and analyzing literature, learning research techniques, practicing public speaking, improving writing and grammar skills and reinforcing critical thinking skills.

English 103

1 Semester 1/2 Unit (3 College Credits)

This course is designed to improve written and oral communication skills. Students learn to write specific types of essays that are coherent and grammatically and mechanically correct. They also participate in a group discussion and/or oral presentation. The course also covers research techniques and procedures for documenting sources. Students take English 104 second semester.

Prerequisite: Students enrolling in EN103 must have passed 11th grade final average 90 or better, and/or teacher approval and must have passed the English Regents with a grade of 80 or above.

English 104

1 Semester 1/2 Unit (3 College Credits)

Students expand on the communication skills learned in English 103. The written and oral assignments focus on students' understanding, research, and interpretation of such literary genres as short stories, poetry, and drama.

Writing Workshop

1 Semester 1/2 Unit

This course focuses on a variety of writing types, including poetry, journal writing and essay writing. Use of the writing process is encouraged. This course also covers the research process and correct use of MLA style documentation, resulting in a research paper. This course, along with Public Speaking, may be taken in place of English 12.

Public Speaking

1 Semester 1/2 Unit

Speech & Communication is a half-year course open to students in Grades 9-12. The purpose of the class is to teach techniques for successful communication; provide opportunities for students to practice public speaking; explore various types of speeches; investigate many factors related to "meaning making," such as tone, facial expressions, body language, and connotative meaning; understand communication techniques, such as being interviewed, leading a group discussion, and participating in debate. This course, along with Writing Workshop, may be taken in place of English 12.

Myths and Legends

1 Semester 1/2 Unit

Myths and Legends' focus is on an understanding of cultural and artistic archetypes. They are merged around a core of cultural mindsets, which may include the following: Greek-Roman, Native American, African, Asian, Norse, South American, and Australian. This course is currently unavailable until further notice.

Math Education

A student is required to obtain 3 Units for either a Regents or Advanced Regents Diploma. Three credits of mathematics and a score of 65 or better on the Algebra I Regents examination are the minimum requirements for a diploma. An Advanced Regents Diploma requires that a student pass a minimum of three math Regents examinations after the appropriate course work.

A) Requirements for a Regents Diploma

- ◆ Algebra Yr I (1 Unit)
- ◆ Algebra Yr II (1 Unit)
- ◆ Geometry Yr I (1 Unit)

(B) Requirement for Advanced Regents Diploma. Successful completion of appropriate course work and three Regents examinations, Algebra I, Geometry, Algebra II/Trigonometry

- ◆ Algebra I + Regents
- ◆ Geometry + Regents
- ◆ Algebra II/Trigonometry + Regents

Algebra I	1 Unit
Algebra Year I	1 Unit
Geometry	1 Unit
Algebra Year II	1 Unit
Math III	1 Unit
Algebra II/Trigonometry	1 Unit
Geometry Year I	1 Unit
Pre -Calculus *	1 Unit
Calculus*	1 Unit

* College credit available

Algebra I

Middle & Senior High

1 Year 1 Unit

This sequential high school mathematics course achieves the unification of topics that have traditionally been segregated in a three-year sequence consisting of algebra, geometry, and intermediate algebra and trigonometry. Students will benefit from the early introduction of practical modern aspects of mathematics, particularly logic, probability and statistics. Students are introduced to these topics, plus topics in geometry up to, but not including formal proof, as well as the algebraic skills needed in a first year high school mathematics course.

Algebra Yr I

1 Year 1 Unit

This course is the first year of a two-year program designed to prepare students to take the Integrated Algebra Regents at the end of the second year. During the course of the year, we will be exploring number sets, absolute value, operations with positive and negative numbers, and algebraic expressions and equations. We will also study ratios and proportions and learn how to graph functions.

Pre-requisites: Successful completion of eighth-grade math

Geometry

1 Year 1 Unit

This course is designed to prepare students to take the Geometry Regents in June. As a result of study in this course, students will be able to identify and justify geometric relationships both formally and informally. We will be exploring properties of parallel and perpendicular lines, triangles, quadrilaterals, and circles. We will also be studying both two and three-dimensional geometry including perimeter, circumference, area and volume.

Pre-requisites: Successful completion of Integrated Algebra

Algebra Yr II

1 Year 1 Unit

This course is the second year of a two-year program designed to prepare students to take the Integrated Algebra Regents at the end of the second year. During the course of the year, we will be exploring ratios and proportions, basic geometry and trigonometry, graphing of functions, polynomials, radicals, and probability and statistics.

Pre-requisites: Successful completion of Integrated Algebra (Year 1)

Math III

1 Year 1 Unit

This sequential mathematics course includes the study of: the real numbers, quadratic equations, radicals and complex numbers, functions, transformations, geometry of the circle, trigonometry, including trigonometric functions, identities, equations, formulas, and inverse functions, probability, statistics and transformational geometry. The New York State Math B examination in June is the final examination for the course.

Prerequisite: Successful completion of Math II.

Algebra II/Trigonometry

1 Year 1 Unit

This is the third course of the New York State math regents program. Topics covered in this class include rational numbers, exponents, logarithms, trigonometry, and pre-calculus. The regent's exam taken at the end of the class must be passed to receive advanced regents credit. The examination will assess students' conceptual understanding, procedural fluency and problem-solving abilities rather than assessing knowledge of isolated skills and facts.

Prerequisite: Successful completion of Algebra I and Geometry

Geometry Yr I

1 Year 1 Unit

This is a non-regents geometry course. Topic in this course will include geometric relationships, constructions, transformational geometry, informal proofs, and coordinate geometry. The topics will not be covered in the same depth as the one-year regents geometry course. Upon completion of this course, the student has the opportunity to continue to Regents Geometry the following year to take the regents exam.

Prerequisite: Successful completion of Algebra I class and Regents exam

Pre-Calculus (3 College Credits)

1 Year 1 Unit

This course will prepare students for calculus course. Topics will include: functions and their graphs; polynomial and rational functions; exponential and logarithmic functions; trigonometry; analytic trigonometry; systems of equations and inequalities; matrices and determinants; sequences, series, and probability.

Prerequisite: Successful completion of regents mathematics course

Calculus (4 College Credits)

1 Year 1 Unit

Calculus of one variable, limits, continuity, differentiation of algebraic functions, applications of differentiation, anti-derivatives, the definite integral, transcendental functions.

Prerequisite: Successful completion of Pre-Calculus course

Science Education

A student is required to obtain 3 Units for either a Regents or Advanced Regents Diploma. Three credits of science and a score of 65 or better on the Earth Science or Living Environment I Regents examination are the minimum requirements for a diploma. An Advanced Regents Diploma requires that a student pass a minimum of two science Regents examinations, one in a Physical setting and one in a Living Environment after the appropriate course work.

Earth Science/Physical Setting	1 Unit
Living Environment/Biology	1 Unit
Chemistry/Physical Setting	1 Unit
Physics/Physical Setting	1 Unit
Environmental Science	1 Unit
Marine Science	1 Unit
Adirondack Science	1 Unit
College Chemistry *	½ Unit
College Biology *	½ Unit

* College credit available

Earth Science AR

Middle & Senior High

1 Year 1 Unit

This is a laboratory oriented Regents science course, which emphasizes the development of skills, ideas, principles and concepts important to the understanding of the basic earth sciences. Astronomy, meteorology, oceanography and geology are studied. Students must pass the Earth Science Regents examination in June.

Required: Junior and High school students should take Algebra I concurrently.

Living Environment/Biology

1 Year 1 Unit

This course incorporates the investigative laboratory approach in the study of most topics. The curriculum emphasizes the basic unit of life, physiology, classification, ecology, genetics, biochemistry, and evolution. Students must pass the Living Environment Regents examination in June.

Required: Must have passed Earth Science.

Chemistry

1 Year 1 Unit

In this class we will discuss topics related to matter, energy, atomic structure, chemical reactions, acids and bases, electrochemistry and nuclear chemistry. The class is designed to prepare students for the NYS Regents exam and give a good background if the student is going on to take a college level chemistry course.

Prerequisites: Successful completion of Regents biology and currently taking Math B or Trigonometry.

Physics

1 Year 1 Unit

In this class we will discuss topics related to motion, forces, vectors, aerodynamics, flight and buoyancy. The class is designed to give students a good background if the student is going on to take a college level physics course in dynamics. The course places major emphasis on developing the analytical ability and problem solving skills of the student.

Prerequisites: Successful completion of Regents biology and currently taking Math B or Trigonometry

Environmental Science

1 Year 1 Unit

This course is the study of ecology and the impact that society has on it. The ecology of the Adirondacks is emphasized using an integration of classroom and outdoor research.

Prerequisites: Successful completion of Earth Science and Living Environment.

Marine Science

1 Year 1 Unit

This is a one-year interdisciplinary science consisting of one semester of marine biology and one semester of oceanography. Marine biology is the study of the life in the ocean while oceanography is the study of the physical setting of the ocean (light, temperature, sound, water chemistry and topography of the ocean floor). Laboratory work is essential and required for this course.

Prerequisites: Successful completion of Living Environment and Earth Science.

Adirondack Science

1 Year 1 Unit

This is a one-year interdisciplinary science to provide and enhance knowledge pertaining to the Adirondack region through lectures, laboratory experiments, field trips and guest speakers. The course will focus on biology, environmental science, history, law and geology. This course will satisfy the third-year science requirement.

Prerequisites: Successful completion of Living Environment and Earth Science

College Chemistry

1 Semester 1/2 Unit (4 College Credits)

This course is similar to General Chemistry I (ACHM 120) taught at SUNY Albany. We will cover Chapters 1 – 11 in the text. The topics are Atomic theory, quantitative relationships in chemical change, electronic structure of atoms and chemical periodicity, chemical bonding, and states of matter. Successful completion of this course will lead to three college credits from SUNY Albany.

Prerequisites: Successful completion of Regents chemistry and Math B or Trigonometry.

Biology-College

1 Semester 1/2 Unit (4 College Credits)

A course in general biological principles relating cell structure to function. Topics discussed include the origin and evolution of life; biochemistry; energetic; the molecular basis of cell activity; cell division; the homeostatic regulation of the cell environment. Physiological processes at the organism level are analyzed and correlated with the simpler manifestations at the cell level. The course emphasizes modern research the nature of philosophy of science, and the art of experimentation as carried on concurrently in the laboratory portion of the course.

Required: Regents earth science, biology, chemistry or physics (one of the latter two may be taken concurrently).

Social Studies Education

A student is required to obtain 4 Units for either a Regents or Advanced Regents Diploma. Four credits of Social Studies and a score of 65 or better on the Global History & United States History & Government examination is the requirement for a diploma. A student must take Global History 9, Global History 10, and US History & Government. A student has a choice of what senior Participation and Government and Economics level to take.

Global History 9	1 Unit
Global History 10	1 Unit
US History & Government	1 Unit
Participation in Government	½ Unit
Economics	½ Unit
American Political Systems*	½ Unit
Honors Economics	½ Unit
History in Film	½ Unit
Psychology	½ Unit

*College Credit available

Global History 9

1 Year 1 Unit

The aim of this course is to develop students' knowledge of and empathy toward cultures of the world different from those with which they are familiar. This will be done through a comparative historical examination of the Americas, the Middle East and Europe. The global historical comparison concludes at about the time of the Renaissance. Global History 9 is the first of a two-year sequence in global history. In addition to primary and secondary sources, films, filmstrips, recordings and artifacts are used throughout the course

Global History 10

1 Year 1 Unit

The purpose of this course is to study world history, developing an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. The course allows students to examine the human condition and the ways different people view the same event or issue from a variety of perspectives. This study of world history expands from the Enlightenment Era through present day global events and issues.

US History & Government

1 Year 1 Unit

This course examines the government of the U. S. and presents a chronological approach to the study of American history. The U. S. Constitution provides a framework for reviewing U. S. history prior to the Industrial Age. Emphasis is given to the emergence of post-industrial America. An examination of 20th century U. S. history gives students a basic understanding of the interrelationship between political, economic and social issues faced by this nation. Students in this course are required to take a Social Studies Regents Exam based upon American history and government at the conclusion of the program.

Participation in Government

1 Semester 1/2 Unit

The purpose of this course is to promote a clearer understanding of the structure and operation of the American political system, as well as to encourage a greater interest in all that is political. The study of public policy issues and government actions related to each of these issues will help to promote a desire to participate in these types of governmental issues. Students will study the foundations of United States government, various public policy issues, and American foreign policy during times of war. Students will also need to complete a community service component and attend various government meetings and events.

Economics

1 Semester 1/2 Unit

The purpose of this course is for students to develop a better understanding of fundamental economic concepts. The course allows students an opportunity to apply the tools from other subjects, including reading graphs, statistics, and mathematical equations, to the understanding of operations and institutions of economic systems worldwide. Studied in a historical context are the basic economic principles of micro- and macroeconomics, international economics, comparative economic systems, and various economic methods and strategies to assist students in being successful in the real world economy.

American Political Systems (3 College Credits)

1 Semester 1/2 Unit

The purpose of the this study is to examine the various political and governmental structures that make up the American political system: political culture, constitutional arrangements, public opinion, pressure groups, political barriers, elections, Congress, president, court and bureaucracy. The major theme of this study is the understanding that since the American political system was intentionally designed to make it difficult for any one individual or group to govern effectively, public policies are usually the results of compromises; hence, the final outcome is less than any one wishes. Hoping to make the student a realistic observer of the process, the course explores, then, how the "system" affects the relationship between the promises and the performances of elected officials. Successful completion of this course will lead to three college credits from FMCC.

Prerequisite: Students must have passed US History class and Regents with 85 or above in addition to a teacher's recommendation.

Honor Economics

1 Semester 1/2 Unit

A course designed around topics and problems that emphasize the individual's participation in the economy, both as consumer and supplier of productive resources, and the private and public institutions through which economizing is accomplished. Basic economic concepts are introduced where necessary to explain economic activity. Special attention in discussion sessions to topics such as employment and unemployment, poverty and affluence, education and opportunities, incomes and costs of living.

History in Film

1 Semester 1/2 Unit

This class is offered to juniors and seniors. This course will explore different time periods through film productions. Special attention will be given to the topic of war in film, but the course will also examine depictions of certain characters in history, such as Ghandi. In addition, documentaries will be shown for purposes of accuracy. Some movies that will be shown are: Schindler's List, The Patriot, Glory, Ghandi, The Killing Fields, Hearts and Minds, Enemy at the Gates, and many more. All films shown will be approved through the high school office. Essay writing and participation will be the most important components of this course. Good attendance is a must.

Prerequisite: Students must have passed Global History class and Regents.

Psychology

1 Semester 1/2 Unit

Psychology is the study of human behavior. This course is intended to help students understand their actions as well as the behavior of others. Two major areas of psychology are studied; Personality Theories and Abnormal Behaviors. Class discussion is an important aspect of the course since students will spend time in class discussing issues relating to their and other people's behavior. Students take History in Film the other semester.

Language other than English

A student is required to earn on one unit of study by the end of grade 9 for a Regents diploma and three units of study in high school in the same language to earn an Advanced Regents diploma. In addition to the three units of study, the student must pass the Comprehensive Spanish exam at the end of level III. Students acquiring 5 units of credit in one of the following may be exempt from earning three credits in the Language Other Than English: The Arts, Business or Career & Technical Education

Spanish Level I	1 Unit
Spanish Level II	1 Unit
Spanish Level III	1 Unit
Spanish Level IV*	½ Unit
Spanish Level V*	½ Unit
French Level III	1 Unit

* College credit available

Spanish 8AR-I

Middle School

1 Year 1 Unit

This course is an introduction to the use of Spanish and the civilization of Spain and of the Latin American countries with emphasis on listening and speaking according to the communicative approach. Readings and writings are developed from what is first heard and spoken.

Spanish I

High School

1 Year 1 Unit

This course is for students who did not meet the graduation requirements in middle school. Topics include but are not limited to: ordering food, health, family, activities, TV and movies, school subjects, body parts.

Only for high school students who have no previous LOTE credits.

Spanish II

1 Year 1 Unit

Spanish II offers a further study of Spanish with continued emphasis on listening and speaking, but with increasing emphasis on reading and writing.

Prerequisite: Successful completion of Spanish 8 AR and one credit in LOTE.

Spanish III

1 Year 1 Unit

The goal of this course is the development of communicative proficiency using structural analysis and conversational Spanish. There is added emphasis on reading and composition as well as preparation for the Comprehensive Regents Examination, which is administered at the end of the course.

Prerequisite: Successful completion of Spanish II.

Spanish IV (3 College Credits)

1 Year 1 Unit

This advanced course offers a continuation of structural analysis of the Spanish language, with emphasis on conversation, oral presentations, cultural projects, and written and oral analysis of literary and videotaped materials. Students may receive 3 college credits for the course.

Prerequisite: Spanish III with an 85% average and a passing grade on the Comprehensive Regents Examination.

Spanish V (3 College Credits)

1 Year 1 Unit

This advanced course offers a continuation of structural analysis of the Spanish language, with emphasis on conversation, oral presentations, cultural projects, and written and oral analysis of literary and videotaped materials. Students may receive 3 college credits for the course.

Prerequisite: Successful completion of Spanish IV and Spanish III with an 85% average and a passing grade on the Comprehensive Regents Examination.

French III

1 Year 1 Unit

The goal of this course is the development of communicative proficiency. There is continued practice in listening and speaking with increased emphasis on reading and writing. French culture is presented through dialogues, readings, films and videotapes. French II is a prerequisite. The Comprehensive Regents Examination in French will be administered at the conclusion of this course in June.

Health & Physical Education

Physical Education: Grades 9-12

½ Year each year in high school

Physical Education is an instructional program contributing to the physical, mental, and social development of all students. The broad instructional phase of the program provides for a wholesome, vigorous experience in the development of skills, techniques, knowledge and the appreciation of individual, team, and lifetime athletic activities. Activities are offered for girls, boys, or on a coeducational basis.

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

Health

1/2 Year 1/2 Unit

Required of all students for graduation. High school health education addresses the physical, mental, emotional and social dimensions of health. It is designed to motivate and assist students to maintain and improve their health, prevent disease, and reduce health-related risk behaviors. Students will develop and demonstrate health-related knowledge, attitudes, skills, and practices. Topics include personal health, family health, community health, consumer health, environmental health, sexuality education, mental and emotional health, injury prevention and safety, nutrition, prevention and control of disease, and substance use and abuse.

Open to students in grades 9 - 12.

REQUIREMENT: A one-semester course in Health is required of all students for either Regents or an Advanced Regents diploma.

Art Education

A student must take one-year of a Fine Art. The requirement may be satisfied by "Studio in Art". Students acquiring 5 units of credit in one of the following may be exempt from earning three credits in the Language Other Than English: The Arts, Business or Career & Technical Education.

Studio Art	1 Unit
Drawing	½ Unit
Painting	½ Unit
Ceramics	½ Unit
Sculpture	½ Unit
Graphic Arts	1 Unit
Intro to College Ceramics *	1 Unit
Intro to College Drawing*	1 Unit

* College credit available

Studio Art

1 Year 1 Unit

This Foundation Level Course will study the Elements of Art through a focus on contemporary and traditional approaches to drawing, painting, printing, and sculpting.

This Foundation Level Course may begin any sequence.

Drawing I & Painting

1 Year 1 Unit

This introductory course to drawing and painting will explore drawing materials such as ink, pen, pencil, charcoal, conte crayon, pastels, as well as painting materials such as watercolors, and acrylic colors. These media will be used by the student to solve problems in visual expression. Emphasis will be placed on acquiring and improving observational skills, understanding and applying the Principles of Design, appreciating and understanding the art work of others, and thinking with imagination and originality. Students may be expected to purchase and use a sketchbook.

Ceramics & Sculpture

1 Year 1 Unit

This is an introduction to the art of hand building using three basic techniques: Pinch, coil, and slab. This course will include some cultural and historical aspects of ceramics from ancient times to contemporary. Preparation of clay, shaping, molding, decorating techniques and application of under glazes and glazes will be explored. Students will also have an introduction to the concepts of form, space, and movement as they relate to the volume and mass of a 3-dimensional image. Students will find unique solutions to problems presented using clay, paper, plaster, wire, wood, found objects, and mixed media. Cultural and historical references will be used as the foundation of understanding 3-dimensional forms. Students will be able to critique 3-dimensional images with an expanded vocabulary and knowledge of the sculptural world.

Graphic Arts

1 Year 1 Unit

The students participate in projects that involve the creation and design of brochures, pamphlets, signage, computer displays and logos in cooperation with the ABC program. Since the projects are generated by real world needs for advertising and promotion, creative problem solving is imbedded in each project. Students are assessed on quality of work, dedication to the work and ability to work within a team.

Intro to College Ceramics (3 College Credits)

1 Year 1 Unit

This is a general course in pottery. A variety of forming techniques including hand building, slab, wheel throwing, & ceramics sculpture are used. Concepts relating to clay, glazes, slips, aesthetic & functional form, & firing techniques are covered. Students may earn 3 college credits through FMCC.

Prerequisite: Ceramics and Sculpture

Intro to College Drawing (3 College Credits)

1 Year 1 Unit

This is a preliminary course concentrating on the development of technical & creative skills necessary to make drawings as expressive visual language. Topics will include: Visual, composition, line, value, gesture, volume & linear perspective. Students may earn 3 college credits through FMCC.

Prerequisite: Drawing and Painting

Music Education

A student must take one-year of a Fine Art. The requirement may be satisfied by "Music in Our Lives". Students acquiring 5 units of credit in one of the following may be exempt from earning three credits in the Language Other Than English: The Arts, Business or Career & Technical Education.

Music in Our Lives	1 Unit
Band	½ Unit
Chorus	½ Unit
Intro to Theater Arts	1 Unit
History of Music	1 Unit
Music Theory	1 Unit

Music In Our Lives

1 Year 1 Unit

Music in Our Lives is a 9th grade course that covers a variety of topics for the exposure to and appreciation of music and its role in our culture. Topics include, but are not limited to, the history of major composers and musical time periods, form & analysis of pop and classical music, rhythmic studies, basic music-reading skills, world music, and music writing activities. Material will be presented through lecture, class discussion, textbook readings, video, audio recordings, and student research papers and/or projects.

Band

1 Year 1/2 Unit

Band is designed to provide an environment for students to perform with others on their major instrument. This group will work as a team to improve various musical elements throughout their music. The band will perform a diverse repertoire in several mandatory school concerts. Students may be asked to perform at community events and special occasions as well. Lessons are required by all band members. Junior and High School band students are strongly expected to participate in marching band.

Chorus

1 Year 1/2 Unit

The High School Mixed Chorus is welcome for credit to all students in grades 9-12. No audition is required, however previous musical experience is helpful. Chorus will perform repertoire from Classical to Modern and Contemporary genres of intermediate difficulty. Public performances are mandatory and scheduled throughout the school year. As with any class, the material and information must be learned. Vocalists are expected to sight-read melody and rhythm through practices of sight-singing exercises in class, as well as independent study. Your reading skills and singing ability will be evaluated at the end of each quarter.

Introduction to Theatre Arts

1 Year 1 Unit

Theatre Arts is a full year course that covers the history and functions of the theatre. Topics include, but are not limited to, stage equipment, makeup, acting, dancing, improvisation, and set design. Material will be presented through lecture, reading, and class discussions. A majority of the class will focus on acting exercises: improvisatory sketches, monologues, speeches, and hands-on training with the Spring Musical. Responsibility and the willingness to "step outside the box" are required!

History of Music

1 Year 1 Unit

History of Rock is a full year course that studies the evolution of rock music and its role in shaping the history of American culture. Rock 'n roll artists studied in this class include Elvis Presley, Chuck Berry, The Beatles, Led Zeppelin, Pink Floyd, The Beach Boys, Nirvana, and many more! This course also focuses on aspects of the music business from recording and performing, to record labels and the media. Material is presented through textbook readings, audio recordings, movies and documentaries, and involvement in various creative projects.

Music Theory

1 Year 1 Unit

This full year course is intended to provide an understanding of the basics of music theory. Topics include rhythmic and melodic dictation, key signatures, and identification of notes, intervals, and chords. Form and analysis is also studied to identify chord progressions, cadences, and the principles of basic four-part harmony and music composition.

Family & Consumer Science

Students acquiring 5 units of credit in one of the following may be exempt from earning three credits in the Language Other Than English: The Arts, Business or Career & Technical Education.

Food and Nutrition	½ Unit
Outdoor Living	½ Unit
Housing & Environment	½ Unit
Parenting	½ Unit
Clothing & Textiles	½ Unit
Independent Living	½ Unit
Human Development	½ Unit
Family Dynamics	½ Unit

Food & Nutrition

1 Semester 1/2 Unit

This course is planned to introduce, or re-enforce the basic understanding and skills needed by an individual wishing to become more adept in the preparation of foods for the family or individual. Emphasis is placed on saving time, management, special characteristics of foods, and the basic nutritional needs of people and how to retain nutrients during food preparation. Also included are safety in the kitchen, accuracy in measurements and varieties of equipment and utensils, appropriate manners at the table, control of food costs, and awareness of related careers. Course is offered alternate years only.

Outdoor Living

1/2 Year 1/2 Unit

This course provides experiences in select outdoor recreation that provide skills, knowledge, techniques, policies and procedures, and an appreciation for the natural world as outlined in the physical education syllabus. Since Northville may be considered as the gateway to the largest park, the Adirondack Park, in the northeast, it is the intent of this course to use the out-of-doors as a natural laboratory for hands-on learning as much as possible. This class is designed to meet the NYS Learning Standards in the Health, Physical Education, and Consumer Science Guide. It can be offered as an elective to select seniors on the odd years with no prerequisite. Course is offered alternate years only.

Prerequisite: Passing grades in Human Development and Food & Nutrition. Course is open to juniors and seniors

Housing & Environment

1/2 Year 1/2 Unit

Students will be provided with a foundation of housing information. They will be able to identify and examine housing decisions and trends. Design theory will be studied and applied. Students will relate design and home living to personal needs, comfort, safety, energy needs, furnishings, equipment, and selection and use of equipment. Career opportunities in housing and design will be identified and investigated. This course may be used as a part of an art sequence. Course is offered alternate years only

Parenting

1/2 Year 1/2 Unit

Parenting is a course to prepare all students for their future roles as responsible parents, and/or adults working to raise healthy, happy children. Although many activities in our lives require licensing and training, having and raising children has not required anything. The result has been a rise in the number of abused, neglected and troubled children. By studying techniques in raising children, future/present parents can give their children a better start in life. This is an advanced Family & Consumer Science course recommended for all students.

Clothing & Textiles

1/2 Year 1/2 Unit

The first part of this course includes cultural and historic aspects of Clothing and Textiles, personal appearance, clothing construction and evaluation of ready-made garments. The second part will assist the student in applying the principles of design to the field of fashion and to explore the role of fashion in everyday life. There will be opportunities for sewing and students will be able to identify and examine careers related to the fashion industry. Students provide material, pattern, and notions at their own expense. The half unit of Clothing & Textiles will satisfy part of the art requirement for graduation. Course is offered alternate years only.

Independent Living

1/2 Year 1/2 Unit

This course is offered to help students prepare for decisions they will make once they are on their own and to give them an opportunity to practice skills they will need to have. Basic management, consumer skills and decision-making skills dealing with housing, legal rights, clothing, food and community resources will be discussed. This is an advanced Family & Consumer Science course. Course is offered alternate years only.

Human Development

1/2 Year 1/2 Unit

This course is specifically geared toward students who are interested in understanding adolescent development and learning how to strengthen self-esteem. Guest speakers, videotapes, and self-directed activities help students deal with issues such as suicide, teen pregnancy, AIDS, peer pressure, stress and eating disorders. Students will learn decision-making skills in order to better weigh alternatives and understand consequences relating to their actions. Goal setting and communication skills are used by students to resolve conflict situations they may encounter in their daily relationships. Students considering any "people" related careers such as education, childcare, day care, counseling, psychology, elementary education, social work, and those medical fields, including home health care for the elderly will find this course invaluable. Course is offered alternate years only.

Family Dynamics

1/2 Year 1/2 Unit

This course is a study of concepts that effect our growth and development as individuals and members of families. Topics covered include life style choices, when to marry, what marriage means, family communications, family crisis situations such as fights, separation, divorce, alcoholism, remarriage, death and STD's. This is an advanced Family & Consumer Science course. Course is offered alternate years only

Business Education

A student must take one-semester of a Career & Financial Management for a Regents diploma and a full unit for a sequence in Business. Students acquiring 5 units of credit in one of the following may be exempt from earning three credits in the Language Other Than English: The Arts, Business or Career & Technical Education.

Career Financial Mgmt I	½ Unit
Career Financial Mgmt II	½ Unit
BA/BCA	1 Unit
Accounting	1 Unit
Fashion Marketing	1 Unit
Sports Marketing	½ Unit
Hospitality & Tour	½ Unit
School Store Empl	1 Unit
School Store Mgr.	1 Unit

Career Financial Management I

1 Semester 1/2 Unit

This course is a one-half unit requirement for graduation. You will learn business and economic systems including its characteristics, operations, structure and evolving role within society. Students will choose a career cluster and know how to assess personal abilities and work performance to achieve individual career goals. Lastly, students will learn good financial management such as managing finances, budgeting and investing.

Prerequisite: Must be in tenth grade

Career Financial Management II

1 Semester 1/2 Unit

This course is a one-half unit requirement for an Advanced Regents diploma if the student is not earning a sequence in foreign language. This course will be a continuation of work done in CFM I.

Prerequisite: Must have completed CFM I and passed the Algebra II/Trig regents exam.

Business Analysis/Business Computer Applications (BA/BCA)

1 Year 1 Unit

This course is the introduction to the field of microcomputers and their components. Includes hands-on training in the use of Windows operating system, word processing, database, spreadsheet and graphic programs. You will also learn the basic of Microsoft Publisher 2000, plus how to create a professional brochure, newsletter and web site.

Prerequisite: No prior computer knowledge is necessary.

Accounting

1 Year 1 Unit

An introduction to accounting emphasizing how general-purpose financial statements communicate information about the business corporation's performance and position for users external to managements. Approximately one third of the course emphasizes how the accountant processes and presents the information and includes exposure to recording transactions, adjusting balances and preparing financial statements for service and merchandise firms according to established rules and procedures. The balance of the course examines major elements of the statements such as cash, receivables, inventory, long-lived assets, depreciation, payroll, bonds, and other liabilities and stocks.

Prerequisite: At least two years of Math

Fashion Marketing

1 Year 1 Unit

Basic design principles as applied to apparel. The relationship of form to function, analysis of garment design, interpretation of fashion trends and expression of individuality are emphasized.

Prerequisite: Must be willing to sew and be creative

Sports Marketing

1 Semester 1/2 Unit

This course teaches applications of marketing principles and concepts in the sports industry. Topics include sponsorships, branding, promotions, public relations, licensing and sports consumer research and behavior.

Hospitality & Tourism

1 Semester 1/2 Unit

This course introduces students to the basic principles of the hospitality and tourism industry. Topics included relate to economic, social and cultural impact upon the global marketplace. The course illustrates to students the interdependency between culinary arts, hotel/restaurant management and tourism.

School Store

1 Year 1 Unit

This course teaches application of running a merchandising business. Includes customer service, ordering, stocking shelves, cash register use, and inventory and handling money.

Prerequisite: Must have taken at least two business courses, a junior or senior, not convicted of a crime and accepted in to the program following an interview.

School Store Manager

1 Year 1 Unit

This course teaches application of running a merchandising business. Includes customer service, ordering, stocking shelves, cash register use, and inventory and handling money.

Prerequisite: Must have taken have worked in the store previously, a junior or senior, not convicted of a crime and accepted in to the program following an interview.

Technology Education

A student must take one-year of a Fine Art. The requirement may be satisfied by "Design & Drawing for Production".

Design & Drawing for Production	1 Unit
Construction Systems	1 Unit
Transportation/Small Engine Repair	1 Unit

Design & Drawing for Production (DDP)

1 Year 1 Unit

This course is an activity-based course, which concentrates on design as a creative problem-solving process and technical drawing as the method of expressing a design. Students in DDP will develop solutions to various design or product problems using research, sketching, drawing, and mass production techniques. Individual and group projects will emphasize the development of critical thinking. DDP may be used by any students to satisfy the Fine Art Requirement.

Construction Systems

1 Year 1 Unit

This is an activity-based course, which concentrates on basic engineering principles and technical skills necessary to become proficient within the trade. Students will have the ability to apply the skills they learn in lecture towards developing models and full-scale structures. Through taking the course, students will have an in depth background in the trade and be a knowledgeable and valuable addition to any construction crew.

Prerequisites: DDP

Transportation/Small Engine Repair

1 Year 1 Unit

This is an activity based course which concentrates on basic engineering principles and mechanical skills necessary to become proficient within the field of repair and maintenance of both two and fore stroke engines. Students will completely disassemble and reassemble a two stroke and a fore stroke engine. Trouble shooting and problem solving strategies will guide students towards deciphering mechanical issues with a variety of mechanical devices. Through taking the course, students will have an in depth background in the trade and be a knowledgeable and valuable addition to any repair shop.

Prerequisites: DDP

Life Skills Education

This program is designed for special education students who are working toward an IEP diploma. It teaches modified individualized needs and satisfies the IEP and diploma requirements.

Science Skills

This course addresses the study of living things. Topics include the cells, life and water, groupings of living organisms, plants and human body systems. Embedded in these topics are concepts related to personal hygiene and fitness, family and health issues, as well as mental and emotional health. Prevention of injury and promoting safety on the job are also covered with additional activities planned that address consumer health and health care advocacy. No specific textbook is used, rather a variety of materials are utilized based upon students specific needs. The standards established by New York State Department of Education will be strictly adhered to as well as addressing the IEP goals of each student. This course can also be used to prepare students to take the GED exam.

Mathematic Skills

This course reinforces the use of mathematics in daily activities, including the use of basic operations, problem solving and using quantitative concepts such as time, money and measurement. Students review basic math concepts with an emphasis on application to daily living and the world of work. No specific textbook is used, rather a variety of materials are utilized based upon students specific needs. The standards established by New York State Department of Education will be strictly adhered to as well as addressing the IEP goals of each student. This course can also be used to prepare students to take the GED exam.

Social Studies Skills

This course addresses a variety of daily living and work related skills necessary for living independently as an adult. Topics include map skills, using reference materials, government, good citizenship, state history, economics, driver safety, and career planning. No specific textbook is used, rather a variety of materials are utilized based upon student specific needs. The standards established by New York State Department of Education will be strictly adhered to as well as addressing the IEP goals of each student. This course can also be used to prepare students to take the GED exam.

English Skills

This course reinforces the use of the English language in daily activities involving reading and writing. Students review the mechanics of writing and improve their ability to write with creative expression and in the context of formal curriculum related assignments. This courses addresses spelling skills, vocabulary, development, basic reading skills and skills needed in the world of work. No specific textbooks is used, rather a variety of materials are utilized based upon students specific needs (i.e. local newspaper). The standards established by New York State Department of Education will be strictly adhered to as well as addressing the IEP goals of each student. This course can also be used to prepare students to take the GED exam.

Career & Technical Center

Students earn a total of 7 Units for two years of study. All courses are offered at the Career Education Center.

Auto Body Repair I & II

Students learn to repair and refinish damaged vehicles with I-car Advance Tech Training, Chief E-Z Liner Frame Equipment and HVLP refinish equipment. They also learn high-tech welding methods, flexible and rigid plastic repair, as well as how to calculate repair costs and establish estimates. Students use hand tools, straightening equipment, fillers and welding equipment to repair automotive bodies. They also learn how to make damage appraisals, repair plastic, use adhesives and spray equipment, along with the new equipment of resistance welding and pulling devices, paint mixing and portable lifting equipment

Auto Technology I & II

The program offers high-tech diagnostic equipment, modern demonstration vehicles, work-study programs, preparation for New York State inspection licensing and ASE/NATEF certification, internships, auto manufacturer training, articulation with several colleges, adult retraining, regional automotive competition opportunities, live demonstrations from associated industries, and support from an active Automotive Advisory Committee. Responsible attendance is required for students to achieve success. As in real-work situations, students contribute towards maintaining a clean, safe, working environment at all times in the classroom and lab. Classroom activities adhere to the ASE and National Automotive Technicians Education Foundation (NATEF) task list. NATEF is a nationwide organization recognized as the standard of excellence in the industry. The course includes the theory and practice of the modern automobile: engines, carburetion, fuel injection, electrical systems and components, brakes, clutches, transmissions, steering, suspension (front and rear), rear axle assemblies, air conditioning, routine service procedures and diagnosis, and computer control systems

Careers In Education I & II :

This two-year program is intended to provide high school juniors with a beneficial transition from high school to college-level programs, leading to licensing/certification in the field of education. In the first year of the program, students will have an opportunity to job shadow professional educators in the following occupations: teacher assistant; teacher; guidance counselor; occupational, physical, or speech therapist; school psychologist or social worker; and school administrator. The second year of the program will provide students a professional internship experience in which students select one educational occupation and work with a professional in that particular field. Students will participate in the internship one half- day per week for 20 weeks. Seniors will earn their 12th grade English credit through participation in this program.

Computer Information Technology: & CISCO

The IT Essentials course is divided into two parts. The first covers core competencies in the latest hardware and software technologies, with emphasis on information security skills, safety and environmental issues, and soft skills. It is aligned with the CompTIA A+ essentials exam. The second part is hands-on and lab-based, and covers all three CompTIA job environment certification exams: IT Technician, Remote Support Technician, and Bench Technician. Students completing the full course will be prepared to take all exams associated with the new updated CompTIA A+ certification. The CISCO Certified Network Associate (CCNA) course curriculum emphasizes the use of decision-making and problem-solving techniques to resolve networking issues. CCNA students learn how to install and configure Cisco switches and routers in local and wide-area networks using various protocols, how to provide Level 1 trouble-shooting service, and how to improve network performance and security. The CCNA curriculum provides training in the proper care, maintenance, and use of networking software tools and equipment.

Construction I & II

This is a two-year program for students considering careers in construction. The curriculum meets the New York State Department of Labor and National Construction Curriculum Education and Research apprenticeship training requirements. Successful students may receive one year of apprenticeship training credit for prevailing wage jobs. Articulation agreements are in place with FMCC and SUNY Delhi. Successful students may also receive a NYS Technical Endorsement on their diplomas. *Year One:* In the first year, students rotate through a series of key construction trade areas, including construction core (basics in safety, blueprint reading, math, transit skills, etc.), masonry, carpentry, plumbing, electrical, and alternative energy/green building. *Year Two:* In the second year, students may choose to focus on their occupational interests based upon their first-year experiences. A one-week internship and final project are required.

Cosmetology I & II

The cosmetology field offers good employment and earning potential for those who are willing to work hard and who enjoy working with people. Our basic objective is to offer men and women interested in a cosmetology career an educational opportunity with a curriculum directed towards the highest standards of excellence. This education is all-inclusive and provides the student with the philosophies, motivation, and skills to become exceptional in the cosmetology field.

Criminal Justice/Security

First Year: Topics include criminal and civil law, fingerprinting, investigation procedures, patrol functions, mechanical restraints, client contacts, emergency response and tactics, crisis management, New York State security officer training, First Aid and CPR, and related issues. The course covers the use of computers in private and public security, as well as computer and Internet security. The program also includes guest lectures, field trips, and hands-on projects such as fingerprinting, forensics, crime scene investigation, photography, plaster casts, and use of radar equipment. *Second Year:* Curriculum topics include an understanding of the role of sentencing in the U.S. justice system, a review of the history of punishment, and legal issues shaping corrections today. Corrections are viewed and studied from both inmate and staff perspectives, and the differences between juvenile and adult correctional procedures are reviewed. Students learn the structure of corrections, probation and parole alternatives, and intermediate sanctions. Prison and capital punishment topics are studied, as well as how restorative justice, technology, computers and the Internet, and privatization will shape corrections in the future. Security is studied from the perspective of IFPO (International Federation of Protection Officers), and DCJS Security Officers certification.

Culinary Arts I & II

Culinary Arts is a fast growing industry with excellent employment potential for people who are willing to work hard. There are thousands of job openings annually and many possibilities for advancement. The morning session covers principles of quantity food service and preparation of entrées, salads, soups and sauces, sandwiches and desserts. Instruction is also offered in sanitation, storeroom management and breakfast cookery. Participants gain hands-on experience through the daily production of breakfast and lunch for students, faculty and staff at the BOCES Center. The afternoon session allows students to operate a café restaurant where they learn customer service, grade management, cake decorating, cake and pastry baking, meat and poultry preparation and career skills.

Digital Media & Communications I & II

This program represents a challenging and fast-paced industry, with a wide variety of new employment positions available each year. Students learn the principles of graphic production including: layout/design, typography, digital and film photography, electronic image editing, electronic/desktop publishing/advertising, basic news gathering, multimedia design/production, basic 3D rendering, process camera techniques, basic photo offset processes, video camera/production/editing, basic sound mixing/editing. Macintosh and Windows platforms are used. Also included are: basic word processing, Adobe PageMaker, Illustrator, PhotoShop, Premiere, MS PowerPoint, Meta Creations Painter, Curious Labs 3D Poser, Macromedia Director, Flash and Freehand. A textbook and workbook are provided. Good attendance and personal responsibility in class are emphasized, adding the development of a professional attitude to the knowledge and skills gained in class.

Environmental Conservation I & II

Environmental conservation includes forestry and natural resources, operating/maintaining heavy equipment, and developing an understanding of environmental issues. Students use hands-on approaches to explore and understand the complexities of science and math in a real work experience. This program is designed to emphasize forestry, wildlife, surveying, and soil conservation, along with heavy equipment operation and maintenance. Much time is spent outdoors and students must be willing to participate in all types of weather. Extensive "hands-on" practical laboratory and field exercises such as heavy equipment operation, forestry management, wood processing, and wildlife management are critical parts of the program. Students learn to operate backhoes, bulldozers, trucks, tractors, chainsaws, a band saw mill, and a wide variety of other equipment. Entry-level mechanical skills used in parks and recreations are introduced along with basic small gasoline engine repair and maintenance.

Equine Science I & II

This program involves students in all aspects of the horse world. Job opportunities are readily available for eager Equine Science graduates. Students learn about the everyday care of horses, nutrition, animal systems, equipment, animal diseases and parasites, anatomy and physiology, first aid for horses, breeding, driving, and riding.

Fire Fighter I & II:

In the Fire Fighter program, students will explore fire science and related fields including emergency medical technology and first responder. Through a combination of academic and laboratory activities, students will explore curriculum topics including command and control, fire fighter safety and survival, rescue procedures, terrorism awareness, emergency medical services, and hazardous materials. Students prepare for career opportunities including municipal fire fighter, first responder, emergency medical technician, homeland security, emergency management, public safety, and military careers. Students may be eligible for college articulation credits upon successful completion of the fire fighter program

Foundations of Food Services I & II

Students in this foundations program will learn basic, entry-level skills ideal for the fast food industry, institutional and supermarket settings. Students will receive classroom instruction and hands-on-training to prepare them for entry-level employment. The curriculum will include safety practices for all equipment used in the kitchen environment. Good work habits, personal hygiene, professional sanitation techniques, basic knife skills and common food service practices will be taught. Students will explore inter-personal skills, career opportunities and other world-of-work habits essential for success on the job. Second year students will learn more advanced baking and food preparation techniques and have work-study opportunities. It is essential that students entering this program have the ability to follow directions and safety procedures.

Medical Assisting I & II

This two-year program offers the student academic and clinical experience in the critical areas of administrative and clinical medical assisting. The course is designed to present skills from most basic to more complex, and prepares students for entry-level employment as a Medical Assistant. Students acquire a specialized body of knowledge, skills and attitudes that allow them to perform administrative and clinical procedures in a variety of healthcare settings. Since Anatomy and Physiology is emphasized throughout the course, a student may be granted a third year science credit from their home school. The course is based on the American Association of Medical Assisting (AAMA) role delineation components. Upon successful completion, a student will be able to demonstrate the skills, knowledge, and attitude to obtain employment in the field of Medical Assisting.

New Visions Health Careers

The New Visions: Health Careers program is an immersion-based approach to education. This concept allows the students of the HFM BOCES Career and Technical Center to explore a variety of health care careers, while integrating their academics of twelfth grade social studies and three college level English credits. The classroom is on-site at Nathan Littauer Hospital. This facility allows the students to participate in rotations in numerous hospital departments and work side by side with a variety of health care professionals.

Nurse Assisting

Through both classroom instruction and hands-on clinical experience, students prepare for employment in the health-care industry. Successful students are mature, dependable, and healthy and have good grooming and hygiene habits. Those who participate in the program will receive clinical experience in patient care at local health-care facilities. Students in this one-year program learn about human anatomy and physiology, elementary microbiology, nutrition, diseases and disorders of the human body, medical ethics, and receive experience in basic patient nursing care. They are also taught communication and leadership skills and gain experience in local health-care facilities. The New York State Health Occupations Education Core Curriculum is followed.

Vehicle Repair & Maintenance I & II

Students receive training in the general automotive service field and related specialty areas. Basic skills are emphasized leading to entry-level employment. Students enrolled in this program learn basic automotive theory, as well as safety and shop procedures in a guided, hands-on environment. Repetition of basic skills is emphasized, including the proper use of hand and power tools. The curriculum includes vehicle cleaning and detailing, oil changes, minor repairs to brake and exhaust systems, electrical repairs, and steering and cooling system service. The program includes New York State vehicle inspection training, and students have the opportunity to perform safety and emissions inspections on vehicles that come into the shop. Also included in the program is the option for participation in a work-study experience with a local employer.