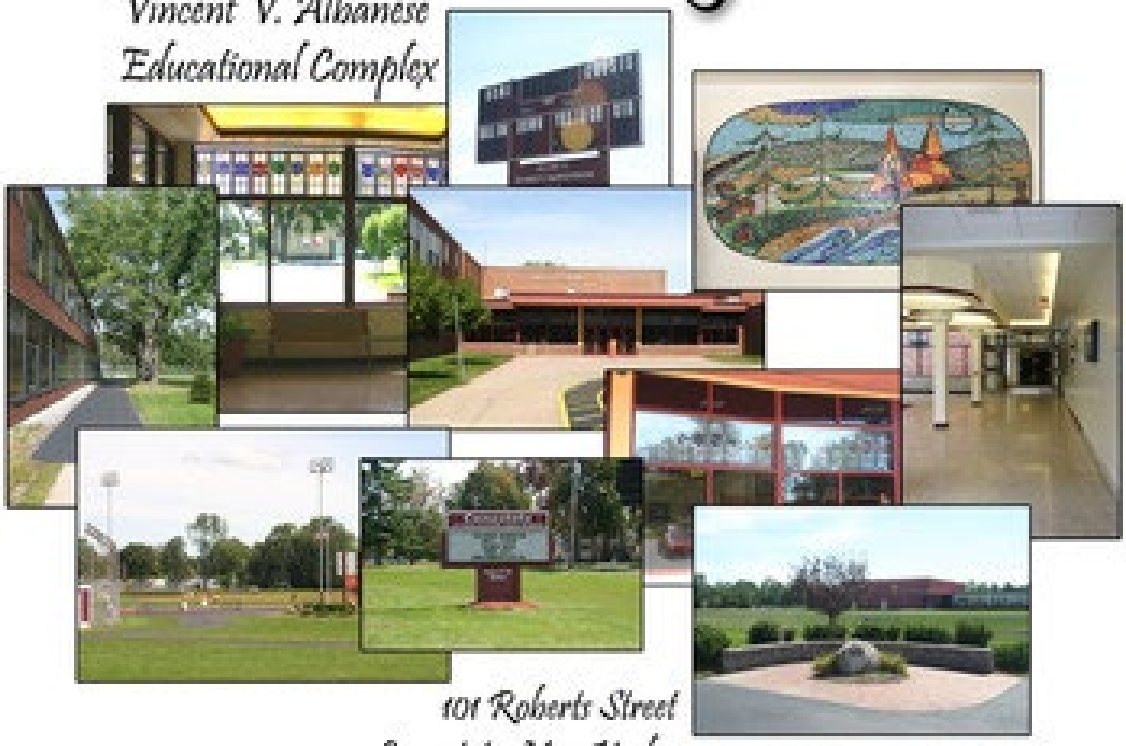
Canastota Jr/Sr High School

Vincent V. Albanese
Educational Complex



101 Roberts Street
Canastola, New York 13032
Tel: (315) 697-2003

Course Description Guide 2025-2026

DIPLOMA REQUIREMENTS

REGENTS DIPLOMA
COURSE REQUIREMENTS

Common Core English	4 units
Social Studies	4 units (2 Global History & 1 U.S. History)
Common Core Mathematics	3 units
Science	3 units (1 Physical & 1 Life)
Health	.5 unit
The Arts	1 unit
Language other than Eng.	1 unit
Physical Education	2 units
Electives	3.5 units
	22 total units for graduation

ADVANCED REGENTS DIPLOMA
COURSE REQUIREMENTS

Common Core English	4 units
Social Studies	4 units (2 Global History & 1 U.S. History)
Common Core Mathematics	3 units
Science	3 units (1 Physical & 1 Life)
Health	.5 unit
The Arts	1 unit
Language other than Eng.	3 units or 5 units of CTE or the Arts
Physical Education	2 units
	22 total units for graduation

REGENTS EXAM REQUIREMENTS

	MANDATORY SCORE	
	Local *	Regents
Common Core English Regents	55%	65%
Common Core Algebra Regents	55%	65%
Global History Regents	55%	65%
U.S. History & Government Regents	55%	65%
Science Regents (Life **or** Physical Science)	55%	65%

*For qualified students

ADVANCED REGENTS EXAM REQUIREMENTS

	MANDATORY SCORE
	Regents
Common Core English Regents	65% required
Common Core Algebra Regents	65% required
Common Core Geometry Regents	65% required
Common Core Algebra 2/Trigonometry Regents	65% required
Global History Regents	65% required
U. S. History Regents	65% required
Regents in Life Science	65% required
Regents in Physical Science	65% required
Language other than English Regional Examination	65% required

ADVANCED REGENTS WITH MASTERY IN MATH ANNOTATION - EXAM REQUIREMENTS

	MANDATORY SCORE
	Regents
Common Core English Regents	65% required
Common Core Algebra Regents	**85% required**
Common Core Geometry Regents	**85% required**
Common Core Algebra 2/Trigonometry Regents	**85% required**
Global History Regents	65% required
U. S. History Regents	65% required
Regents in Life Science	65% required
Regents in Physical Science	65% required
Language other than English Regional Examination	65% required

ADVANCED REGENTS WITH MASTERY IN SCIENCE ANNOTATION - EXAM REQUIREMENTS

	MANDATORY SCORE
	Regents
Common Core English Regents	65% required
Common Core Algebra Regents	65% required
Common Core Geometry Regents	65% required
Common Core Algebra 2/Trigonometry Regents	65% required
Global History Regents	65% required
U. S. History Regents	65% required
Regents in Life Science	**85% required**
Regents in Physical Science	**85% required**
Regents in 3rd Science	**85% required**
Language other than English Regional Examination	65% required

CHS students have the opportunity to earn micro-credentials that showcase skills learned and business experiences completed with one of our many business partnerships. Micro credentials are short, targeted qualifications focusing on specific competencies, offered in flexible settings. They provide recognition through digital badges that signify proficiency in particular areas. Students can complete work-based learning credentials and participate in business partnerships to earn this recognition as well as local high school credit.

Current partnerships exist with the International Boxing Hall of Fame, Greater Lenox Ambulance Service, Canastota Village Government, Rosamond Gifford Zoo, and the Canastota Chamber of Commerce. Partnerships continue to expand offering students opportunities to gain valuable experience in many career areas.

THE ART DEPARTMENT

05163 ADVERTISING DESIGN 1 UNIT 1 YEAR
No prerequisite required, but Studio in Art is recommended

Advertising Design courses emphasize applying the fundamental processes of artistic expression used in the fields of advertising and commercial art for the purpose of visual communication. These courses offer practical experiences in generating advertisements, commercial art, logos, layouts, illustrations, displays, lettering, and works with a variety of media, techniques, and processes. They also include preparing artwork for reproduction and presentation. Advertising Design courses present a historical and contemporary view of advertising art and commercial art. Students learn and practice responding to their own art and that of others including professional designers through analysis, critique, and interpretation.

05159 STUDIO IN CERAMICS/ POTTERY 1/2 UNIT- 1/2 YEAR
Prerequisite: Studio in Art or DDP

Ceramics/Pottery courses engage students in a sequential learning experience that encompasses the history of ceramics, critiquing their own work and the work of others, aesthetic inquiry, and creative production. They develop knowledge of ceramic techniques and processes with an emphasis on design, craftsmanship, and expression. Experience includes, but is not limited to, clay modeling, hand building, coil building, casting and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques.

ADVANCED CERAMICS ½ UNIT ½ YEAR
Prerequisite: Ceramics 1 or Teacher recommendation

This course is an introduction to ceramic techniques such as hand-building, wheel throwing and glazing. Pottery aesthetics and art historical ceramics will be explored.

ART-219 CERAMICS I (OCC) 3 UNITS 1 YEAR

An introduction to hand building techniques; the exploration of clay as an expressive material through various forming and decorating methods. (This is an elective course in OCC's art program, several electives are needed to complete degree.)

ADVANCED 3D ½ UNIT ½ YEAR
Prerequisite: Ceramics 1 (or Teacher recommendation) AND MUST HAVE Advanced Ceramics

Intro Ceramic Sculpture this studio course covers the normal process in sculpting. It will start with three-dimensional sketches in wire (armature construction) through build-up and blocked-in forms for proportion to simplified modeling.

05162 VISUAL COMMUNICATIONS DESIGN 1 UNIT 1 YEAR

Courses in this classification emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art for the purpose of reflecting and refining work, and analyzing the work of others, including master designers, for the purpose of interpreting meaning.

MIXED MEDIA ART 1 UNIT 1 YEAR

In Mixed Media Art, students learn the skills required for combining a variety of materials to produce well-designed art. Students will create original designs using ceramics, fibers, stamping, painting and collage. Students are evaluated on craftsmanship, originality, and effort. The history of contemporary and traditional mixed media art will be explored.

DESIGN AND DRAWING FOR PRODUCTION 1 UNIT 1 YEAR
Prerequisite: Studio in Art

Students will use the design process to create new designs from initial concept to actually creating a new product. Students will explore multiple mediums and present their final ideas. The students will also use CAD to draw basic floor plans. This course may be used to meet the Art requirement for graduation.

05167 PHOTOGRAPHY/ DIGITAL PHOTOGRAPHY 1 UNIT 1 YEAR

Photography courses provide students with an understanding of photographic media, techniques, and processes. These courses focus on the development of photographic compositions through manipulation of the fundamental processes of artistic expression. Students may learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. Photography courses may also include the history of photography, historic movements, image manipulation, critical analysis, and some creative special effects. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers.

05197 VISUAL ARTS- INDEPENDENT STUDY ½ UNIT ½ YEAR

Visual Arts Independent Study courses, often conducted with instructors or professional artists as mentors, enable students to explore a particular art form or topic. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a topic in greater detail, or to develop more advanced skills.

05155 VISUAL ARTS-DRAWING & PAINTING
VISUAL ARTS 1 UNIT 1 YEAR
Prerequisite: Drawing & Painting (passed)

Drawing/Painting courses focus on the interrelationships that occur between drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying various media, mark making, and compositional strategies; along with a study of art and artists from a worldwide perspective and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic exploration, following and breaking from traditional conventions.

ADVANCED DRAWING & PAINTING 1UNIT 1 YEAR
Prerequisite: Drawing & Painting (passed)

This course is offered to juniors and seniors who wish to study drawing and painting techniques at an advanced level. Expression and communication through the arts continues to be the emphasis while working independently. Mediums will be chosen by the student artist in the area of choice. Students must be able to work independently.

PORTFOLIO DEVELOPMENT 1 UNIT 1 YEAR
Prerequisites: Studio in Art, 1 additional art credit in chosen area of study, and teacher recommendation

This course is designed for juniors and seniors who have taken a sequence in Art, who wish to study in depth an area in which they have taken an advanced art elective, and who is pursuing an art major in college. The work for this course will be independent and self-motivated. A final portfolio will be required for the completion of the course graded by upper level standards.

05154 STUDIO IN ART/FUNDAMENTALS OF ART
1 UNIT 1 YEAR

Students are introduced to the fundamentals of artistic expression. The courses include experiences in drawing, painting, two-and three-dimensional design, and sculpture. The courses emphasize observation and interpretation of the visual environment, visual communication, imagination, and symbolism through an introduction to various visual arts media. The focus of this comprehensive course is the study of how artists convey ideas through the application of a variety of media, and the study of historical and contemporary art and artists from a worldwide perspective. To qualify as a comprehensive foundational course, instruction and practice should incorporate all 11 Anchor Standards and include Creating, Presenting, Responding and Connecting.

05158 STUDIO IN SCULPTURE ½ UNIT ½ YEAR
Prerequisite: Studio in Art or DDP (passed)

Sculpture courses promote expression of ideas through three-dimensional works. Students explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. A study of historical and contemporary sculpture and sculptors from a worldwide perspective, and instruction and practice in the critique process are addressed.

ART 5-UNIT SEQUENCE OPTION
(Used to replace 3-unit Foreign Language requirement)

- Studio in Art
- 4 additional units of Art
- An art portfolio is required in order to earn a Regents Diploma.

JOURNALISM 1 UNIT 1 YEAR

Journalism provides students with the opportunity to commit to production, and promote pride in one another as they collectively create the school's yearbook. Students master such basic yearbook journalism skills as design, photography/graphics, coverage, reporting, writing, and refinement. This class is only open to 12th grade students.

05171 AP ART AND DESIGN-2 D DESIGN
1 UNIT 1 YEAR

The AP Art and Design 2-D Design course is designed for students with a professional or academic interest in two-dimensional art. This course focuses on the development of a personal investigation in 2-D design, enabling the students to demonstrate mastery of Media technique, problem solving, and depth of ideas. Such conceptual variety can be demonstrated through either the use of one or the use of several media. Students refine their skills and create artistic works to submit via a portfolio to the College Board for evaluation.

05172 AP ART AND DESIGN-2 D DESIGN
1 UNIT 1 YEAR

The AP Art and Design 2-D Drawing course is designed for students with a professional or academic interest in two-dimensional art. This course focuses on the development of a personal investigation in Drawing, enabling the students to demonstrate mastery of media technique, problem solving, and depth of ideas. Such conceptual variety can be demonstrated through either the use of one or the use of several media. Students refine their skills and create artistic works to submit via a portfolio to the College Board for evaluation.

ART-219 3D DESIGN (OCC)
3 UNITS 1 YEAR

This course provides students with an introduction to basic sculptural processes, materials, and equipment. Focus is placed on the development of three-dimensional design (form, space, object, composition), strengthening observational skills, and safety. A variety of materials and form-making processes are explored, including additive (modeling, constructive) and subtractive (carving). Students will work with materials such as plaster, paper, cardboard, clay, wire, etc. (This is a required course in OCC's art program.)

MOHAWK VALLEY COMMUNITY COLLEGE FA:101 GENERAL DRAWING (DUAL CREDIT) ½ YEAR 3 COLLEGE CREDITS

This course introduces the tools, media and theory used in drawing for visual communication. Coursework includes both the study of fundamentals of perspective and the theory of light and shade, as well as a survey of graphic representation. Classroom work consists of drawings that show line, value, tone, form, texture, space and proportion. This course is taken in lieu of Advanced Drawing and Painting, though both will follow the same curriculum. Students who take FA101 will receive both high school credit and 3 college credits upon successful completion. Students who take this course must understand that this grade will be reflected on the student's permanent college transcript.

MOHAWK VALLEY COMMUNITY COLLEGE FA:105 FOUNDATION DESIGN (DUAL CREDIT) ½ YEAR 3 COLLEGE CREDITS

This course introduces the visual elements and principles of design. Emphasis is placed on compositional concepts and the mastery of a visual language. Course projects explore a variety of media, processes and techniques to provide a broad view of visual problem solving. This course is taken in lieu of Advanced Drawing and Painting, though both will follow the same curriculum. Students who take FA105 will receive both high school credit 3 college credits upon successful completion. Students who take this course must understand that this grade will be reflected on the student's permanent college transcript.

THE BUSINESS DEPARTMENT

MVCC ACCOUNTING 1 UNIT 1 YEAR

An introduction to accounting as a means of recording business activities. This course includes a study of the classification and recording of original business transactions, the preparation and evaluation of financial statements, and the application of Generally Accepted Accounting Principles. The course will incorporate appropriate technology to include spreadsheet and presentation software in the instruction process. *This course also satisfies one unit of math credit. Successful completion of this course will result in three credit hours for Financial Accounting (BUS-105-01)*

OCC ENTREPRENEURSHIP 1 UNIT 1 YEAR

Entrepreneurship emphasizes a hands-on approach to provide the student with specific applications of computer technology in business and industry. Business plans, stock market simulations, economics and entrepreneurial research is emphasized, using the most technological advancements. The business plan is written and reviewed by CEO's throughout the country as well as locally. Students have the opportunity to pitch their plan to local business owners. (**OCC 3 Credits**)

CAREER EXPERIENCE INTERNSHIP PROGRAM 1 UNIT 1 YEAR

This one-unit course is designed to give the student an opportunity to apply their educational knowledge in an actual work setting. The course begins with a curriculum that prepares the student prior to entering the work situation. Students prepare resumes, learn interviewing techniques, as well as other areas of job preparation. The course concludes with the student being placed in an actual (pre-approved) work site.

PARTICIPATION IN BUSINESS LAW 1 UNIT 1 YEAR

This one-unit course emphasizes the relationship of business law to an individual's personal life as well as occupational life. Applications of the laws as they affect the individual are featured. A service learning component is integrated into this course. *Successful completion of this course will also satisfy the participation in Government requirement.*

COLLEGE AND CAREER READINESS ½ UNIT ½ YEAR

This is a half-year course designed to develop career awareness through exploration of careers and self. Employability skills are introduced and stressed throughout the course. Students are introduced to such topics as time management, business organization, communication skills, and budgeting.

BUSINESS OWNERSHIP AND MARKETING 1 UNIT 1 YEAR

This one-unit course is designed to provide students with a working knowledge of core marketing concepts including: the marketing mix, functions of marketing, consumer vs. business markets, marketing strategy, competition, target markets, market segmentation, consumer behavior, and marketing research. Retail, travel and tourism, and sports/entertainment management will also be emphasized in the second semester of the course. Students will develop a realistic marketing plan and utilize the skills developed to market products and events. Content of this course will include the skills necessary for success for the transition from school-to-work. Concepts learned will be applied through participation in the Canastota Apprentice Program.

CAREER AND COLLEGE SEMINAR ½ UNIT ½ YEAR

This is a half-year course that provides a foundation for a successful school-to-career/school-to-college transition after high school. Students complete self-assessments to analyze interests and skills and use computer/online research to explore careers and college programs to select a career pathway/college major. Emphasis is placed on selecting an appropriate college as well as completing the college application and all necessary components including essays and letters of reference. Each student will prepare a personal portfolio as well as an electronic portfolio. Career and college readiness skills are incorporated throughout. Students will have the opportunity to job shadow in their field of choice.

CAREER & FINANCIAL MANAGEMENT ½ UNIT ½ YEAR

This half-unit course provides students the opportunity to explore different occupational subject areas and acquire career and college readiness skills. The Personal Resource Management module is designed to develop and apply concepts in the effective management of personal resources - human and economic.

COMPUTER APPLICATIONS I ½ UNIT ½ YEAR

Designed to teach, review, and emphasize proper keyboarding technique. Additionally, students will be introduced to and taught various technology skill sets to improve employability. Career and college readiness is integrated throughout the course. Programs used include Microsoft Word, Excel, and PowerPoint. Proper research techniques using the Internet will also be emphasized. Students will practice and enhance career and technical readiness through use of Microsoft Office, networking, and various online/web-based programs.

TC3 COMPUTER APPLICATIONS II ½ UNIT ½ YEAR

A half-unit course designed as a continuation of Computer Applications I. Further development of the Microsoft Office Suite will be emphasized. Various business correspondences will be introduced including memos, proper business letter format, outlines, and reports using MLA style.

ELECTRONIC INFORMATION PROCESSING 1 UNIT 1 YEAR

A one-unit course which provides the opportunity to acquire new office skills while reinforcing those learned in earlier courses. Students will become aware of the importance in modern business operations of up-to-the-minute factual information and see how technology is altering the way in which information is created, accessed, used, and managed in today's business environment. Microsoft Office software is used to gain proficiency in Word, Excel, Access, and PowerPoint. Microsoft Office User Specialist (MOUS) exams are given at the end of the course.

WEB PAGE DESIGN ½ UNIT ½ YEAR

Prerequisite: Computer Applications I

A half-year course designed to provide students with background in web page design and creation. Students will use available software to design their own web page. Currently, students use Adobe Dreamweaver and Fireworks. As a student, you'll gain proficiency in the software programs that every Web designer needs to know: Adobe Photoshop, Fireworks, Dreamweaver and Flash. You'll learn how to create digital images and animations, and build standards-compliant Websites using either HTML/CSS hand-coding or Web editing programs.

WEB PAGE DESIGN -ADVANCED ½ UNIT ½ YEAR

Prerequisite: Web Page Design

This half-year course is designed to provide students with a continued study in the development of web design and creation. Topics include HTML Code, Adobe Dream Weaver and Adobe Fireworks. Information technology is elaborated on through the use of terminology, theory and application.

BUSINESS ORGANIZATION AND MANAGEMENT ½ UNIT ½ YEAR

A half-year course which introduces students to a conceptual understanding of management and leadership, including their functions and styles. It is designed to promote useful citizenship and aid the students in the development of the leadership qualities important to the successful quality of life. The course addresses other topics relevant to the quality of youth leadership. Successful completion of this course qualifies for three-credit hours at Morrisville State College for their course, Business Organization, and Management.

INNOVATIVE TECHNOLOGY ½ UNIT ½ YEAR

Creating and managing new technological knowledge is essential to success in today's economy. Not only is it necessary to create a qualified workforce, but this workforce must also be focused on global competitiveness in an ever-changing economy. This half-year course emphasizes technological innovation in today's ever-changing world.

Method of Instruction: This course will be approached with a sense of adventure utilizing new technology to teach and new technology to learn. Much of the course will be taught using a Project-Based Learning approach, a dynamic classroom approach in which students actively explore real-world problems and challenges and acquire a deeper knowledge. Various applications will be explored and introduced to not only deliver instruction, but to complete assigned projects as well. This course emphasizes a hands-on approach to provide the student with specific applications of computer technology in business and industry.

OCC COMPUTER PROGRAMMING AND GAMING I& 2 2- ½ UNITS 1 YEAR

These two half-unit courses present an introduction to computer science and for all students interested in developing software applications, not just using them. Through a project-oriented approach, students will explore a variety of programming systems and languages to create interactive applications and systems. By collaborating in a hands-on environment, students will learn problem solving, software design, debugging strategies, and the foundations of computer science. Students will work on projects in the areas of graphics and games, animation and art, electronic systems, 3D programming for animation and interactivity.

BUSINESS 5-UNIT SEQUENCE

(Used to replace 3-unit Foreign Language requirement - ask your business teacher or school counselor about the Business sequence during Computer Applications I).

NYS Department of Education Career and Technical Education Endorsement are available in the following areas:

CTE - ACCOUNTING

Computer Applications I & II
Career & Financial Management
MVCC Accounting
Career Experience

CTE - MARKETING/ENTREPRENEURSHIP

Computer Applications I & II
Career & Financial Management
Entrepreneurship
Career Experience

SOFTWARE ENGINEERING

Computer Programming I & II
Computer Applications I and II
Career and Financial Management
Web Design/Advanced Web Design
Career Experience

THE ENGLISH DEPARTMENT

AMERICAN SHORT STORY ½ UNIT ½ YEAR

Have you ever read about the "Princess and the Bowling Ball"? Come and enjoy learning about the fairy tale, the art of storytelling, the American short stories written by youth, and the classic American short stories by renowned authors. Maybe you can be published!

CREATIVE WRITING ½ UNIT ½ YEAR

The Creative Writing elective encourages students to explore their own originality in writing. The students will explore different genres of writing and may include writing their own children's story, mystery, and an individual choice best suited to their interest.

COMMON CORE ENGLISH 9 1 UNIT 1 YEAR

The New York State grade 9 curriculum modules offer a wide range of quality texts that span the canonical to the contemporary. The grade 9 curriculum balances classic works by William Shakespeare, Sophocles, and Emily Dickinson with contemporary writing by authors such as Temple Grandin, Karen Russell, and Marc Aronson. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within each of the modules are linked explicitly to the Common Core Learning Standards, and provide a rigorous and pedagogically-sound approach for how to bring the standards to life through thoughtful planning, adaption and instruction.

COMMON CORE ENGLISH 10 1 UNIT 1 YEAR

The New York State grade 10 curriculum modules offer a variety of rich texts that engage students in analysis of literary and journalistic nonfiction as well as poetry, drama, and fiction. Classic and contemporary authors represented in the grade 10 modules include Christopher Marlowe, Amy Tan, Martin Luther King, Jr., Alice Walker, Malala Yousafzai, E.B. White, William Shakespeare, and Niccolò Machiavelli. Working with these texts, students build knowledge, analyze ideas, delineate arguments and develop writing, collaboration, and communication skills. The lessons within the modules are linked explicitly to the Common Core Learning Standards and provide a rigorous and pedagogically-sound approach for instruction.

COMMON CORE ENGLISH 11 1 UNIT 1 YEAR

The New York State grade 11 curriculum modules continue to develop students' skills in analyzing complex literary and informational texts. As students delve deeply into works by acclaimed authors and historical figures, including classics from William Shakespeare, Virginia Woolf, and Kate Chopin; seminal pieces from W.E.B. Du Bois, Booker T. Washington, and Elie Wiesel; and contemporary literature from Tim O'Brien and Louise Erdrich. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within the modules are linked explicitly to the Common Core Learning Standards, and provide a rigorous and pedagogically-sound approach for how the standards can come alive with thoughtful planning, adaptation, and instruction.

ENGLISH 12 1 UNIT 1 YEAR

The New York State Grade 12 curriculum modules offer a wide range of quality texts that engage students in analysis of autobiographical nonfiction, speeches, poetry, drama, and fiction. The grade 12 modules comprise classic and contemporary voices including Leslie Marmon Silko, Henry David Thoreau, Benazir Bhutto, Jared Diamond, William Shakespeare, Tennessee Williams, Jhumpa Lahiri, and Nikolai

Gogol. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills (Engage NY).

MYTHOLOGY TODAY ½ UNIT ½ YEAR

Zeus, Poseidon, Aphrodite, Cupid, Cyclopes, Gorgons . . . mythological characters and creatures that are over 3000 years old yet continue to capture the imagination and soul of mankind today! Enter this fascinating journey and discover more about heroes, monsters, lovers, gods, and goddesses.

PUBLIC SPEAKING ½ UNIT ½ YEAR

The Public Speaking elective is designed to give students more confidence and competence in public speaking situations. The following activities may be included in the course: oral interpretation of literature, the demonstration speech, the informative speech, the persuasive speech, the impromptu speech, panel discussion, debate, and special occasion speeches (accepting an award, introducing a speaker, etc.). The goal of the course is a painless progression from inexperience to proficiency.

ENG 100/LEARNING COMMUNITY/
EL01-ACADEMIC WRITING I 3 CREDITS

This is the first of a two-course sequence of academic writing. Students learn how to write a variety of essays, usually in response to readings. They review grammar and basic writing skills, learn an effective writing process, begin to engage and respond to academic texts, and are introduced to research and documentation of sources appropriate for introductory-level college essays. Special sections may center on a theme. Students must earn a grade of C or better to take the second course in the sequence, ENGL101. ENGL 100 fulfills the SUNY General Education Basic Communication Requirement. Prerequisites: C or better grade in prior English class.

ENG 101/LECTURE/
BL1-ACADEMIC WRITING II 3 CREDITS

This course develops and refines student writing in an academic context. Students engage and respond to challenging texts as they develop critical thinking skills. They learn to support their ideas with credible, authoritative information from academic sources and to recognize audience, purpose, and bias. Special sections may center on a theme. ENGL 101 fulfills the SUNY General Education Basic Communication requirement. Prerequisites: C or better grade in ENGL 100 or appropriate assessment.

ENG 102/LECTURE/
BL1-APPROACHES TO LITERATURE 3 CREDITS

Provides a comprehensive introduction to the major aspects of literature. Extensive writing, using various rhetorical modes, helps students appreciate and understand fiction, drama, and poetry as forms of literary expression. ENGL 102 fulfills the SUNY General Education Humanities requirement. An honors section is offered. Prerequisites: ENGL 101.

THE FAMILY AND CONSUMER SCIENCES DEPARTMENT

FOOD & NUTRITION I ½ UNIT ½ YEAR

The prerequisite for taking the Food and Nutrition Core course is the successful completion of Home and Career Skills at the middle level. The course is open to students in 9th through 12th grade. Food is a basic human need. This course will help students develop skills in food safety, sanitation, and food preparation. Students will be able to make wise decisions on food consumption, nutrition, and the health benefits and risks that go along with diet. Students will study and explore the 6 essential nutrients. They will learn about and perform cooking labs for a variety of topics (proteins, lipids, carbohydrates, quick breads, yeast breads, etc.). The food industry is one of the largest industries in the United States. This course will help students explore career opportunities in this field and help them develop skills needed for employment.

FOOD & NUTRITION II ½ UNIT ½ YEAR

The prerequisite for taking the Food and Nutrition Core course is the successful completion of Home and Career Skills at the middle level. Students do not need to complete Food & Nutrition I to take this course. The course is open to students in 9th through 12th grade. Food is a basic human need. This course will help students develop knowledge and food preparation skills for a variety of different topics (grains, eggs, meat/poultry, dairy, fruit, vegetables, specific diets, and college cooking on a budget). Students will be asked to perform research web quests, food labs, group work, individual projects, etc. This course will help students explore career opportunities in this field, and help develop skills needed for employment. It will also help people eat well on a limited budget.

THE HEALTH DEPARTMENT

FAMILY LIVING ½ UNIT ½ YEAR
Elective for Juniors and Seniors

The course is set up to prepare students for the personal, social, and economic challenges that married life presents in today's world. The goals are to facilitate better decision making and to give the student a realistic picture of the complexities that married life involves. The emphasis throughout is on concrete experience.

Attention is given to dating relationships and sexual decisions, marriage (planning through adjustment), pregnancy and birth, parenting responsibilities, family changes, family crises, death, and dying.

HEALTH EDUCATION ½ UNIT ½ YEAR
Required of all students

This course addresses both National, as well as New York state health and wellness education standards. Students learn how to apply knowledge, facts, and modern-day research to health-related topics. Units include: "Social, Emotional, and Mental Health", "Nutrition and Physical Activity", "Alcohol, Tobacco, and Other Drug-Use Prevention", "Sexual Health", and "Safety and Injury Prevention". This curriculum isolates some of the most perplexing health-related problems, provides information that students can use to optimize their personal health, and to make informed decisions throughout life.

HLTH 126-HEALTH AND FITNESS
2 CREDITS ½ YEAR

Students closely examine the elements of health and health-related components of physical fitness in this introductory course. Planning and participating in an interesting successful exercise and nutrition program is a fundamental aspect of this course. Successfully preventing, responding to injury/illness, and increasing or maintaining a productive level of energy are all issues which, when managed properly, contribute to an improved quality of life. Additional topics addressed include finding meaningful work, enjoying leisure activities, growing older successfully, and improving and protecting the environment.

HLTH 206-PERSONAL HEALTH
2 CREDITS ½ YEAR

This course isolates some of the most perplexing health-related problems, and provides opinions, data, and facts to help students make decisions to optimize their personal health. Topics include promoting health behavior change, psychosocial health, managing stress, violence and abuse, human sexuality, nutrition, weight management, personal fitness, addictions and addictive behavior, alcohol, tobacco, caffeine, illicit drugs, cardiovascular disease, cancer, infectious diseases, sexually-transmitted infections, noninfectious conditions, healthy aging, environmental health, consumerism, and complementary and alternative medicine.

THE LANGUAGES OTHER THAN ENGLISH DEPARTMENT

SPANISH A 1 YEAR

The first year of Spanish will focus on the following topics: personal identification, time and weather, numbers, education, community and neighborhood, food, sports, health and well-being, and culture. Each area will contain basic vocabulary and grammar which will be built on in the upcoming years of study. The emphasis will be on getting students to speak, read, write, and understand the Spanish language early on in the year and working towards some proficiency. Students are also taught the present tense for –ar, -er and –ir verbs plus several irregular verbs.

SPANISH B 1 UNIT 1 YEAR
Prerequisite: Spanish A

Spanish B is the second year of study and builds on all topics covered in Spanish A. While Level A focuses on communicating about oneself, Level B teaches students how to communicate about all others in the present tense. The goal is for students to communicate in detail, about people, places to live, shopping, eating, traveling and technology. Students will be required to take the Regional Proficiency Test at the conclusion of this course.

SPANISH 2 1 UNIT 1 YEAR
Prerequisite: Spanish B/French B

Spanish 2 follows Spanish B and is a more in-depth course of study. Students move from being able to describe their surroundings to talking about the past and developing a story. This is a crucial year in preparation for the Regional Exam, which takes place after Spanish 3.

SPANISH 3 1 UNIT 1 YEAR
Prerequisite: Spanish 2

Based on the NYS Standards of culture and communication, this course builds upon prior study and integrates cultural topics into language acquisitions. Students work together in an active, cooperative environment to practice and become proficient in the four basic language skills: speaking, listening, reading, and writing. Emphasis is placed on expanding student's vocabulary and extensive learning center-based experience with the target language.

At the end of Level 3 the Regional Examination is given and students must pass this with a 65 or higher. Upon successful completion of this exam, 3 credits are granted which are required for a New York State Regents Diploma. Three years of a second language may be used for a sequence.

SPANISH 4 1 UNIT 1 YEAR
Prerequisite: Spanish 3

Students will begin to study both Spanish and Latin American Literature. Short stories, poetry and stories such as El Quijote are read and analyzed, as well as creative pieces written by the students in Spanish. Popular music serves as a way to learn new vocabulary and current expressions, as well as practicing listening skills. Projects, internet research, cooking, and pop-culture articles are some other ways students will experience the Spanish culture while perfecting their language skills in a fun and exciting environment. In addition to culture and language, critical thinking skills are emphasized and developed.

SPANISH 5 1 UNIT 1 YEAR
Prerequisite: Spanish 4

This intermediate-level course builds upon the grammatical, linguistic, Communicative and cultural skills learned at the

introductory level. Students acquire more complex grammar and lexical skills that will enable them to communicate within a greater range of contexts. Topics are set within the Spanish-speaking world and may include: Hispanics in the US, Spanish-speaking Civilizations, The Arts, and Leisure.

THE MATHEMATICS DEPARTMENT

ALGEBRA 1A 1 UNIT 1 YEAR

Algebra 1A is the 1st year of a two-year program for the Algebra I curriculum. The topics of instruction will include relationships between quantities and reasoning with equations and their graphs, descriptive statistics, linear and exponential functions, polynomial and quadratic expressions, equations and functions, and a synthesis of modeling with equations and functions.

ALGEBRA 1B 1UNIT 1 YEAR

Algebra 1B is the 2nd year of a two-year program for the Algebra I curriculum. The topics of instruction will include a more in-depth look at relationships between quantities and reasoning with equations and their graphs, descriptive statistics, linear and exponential functions, polynomial and quadratic expressions, equations and functions, and a synthesis of modeling with equations and functions. Algebra 1B will conclude with the Algebra Regents in June of the academic year.

ALGEBRA I 1UNIT 1 YEAR

Algebra I is a one-year course for the Algebra I Curriculum. The topics of instruction will include the real number system, quantities, seeing structure in expressions, polynomials, rational expressions, creating equations, reasoning with equations and inequalities, interpreting functions, building functions, linear, quadratic and exponential models, and interpreting data. Algebra I will conclude with the Algebra I Regents in June of the academic year.

COMMON CORE ALGEBRA II 1 UNIT 1 YEAR

Common Core Algebra II is a one-year course. Topics of instruction include polynomials, factoring, solving and applying equations, complex numbers, trigonometry, exponential and logarithmic functions, sequences and series, and probability and statistics. The course will conclude with the Algebra II regents in June of the academic year.

TC3 CALCULUS
MATH 201-CALCULUS 1 1 CREDIT 1 YEAR

This is a first-year course in calculus for all disciplines. Topics include limits, continuity, derivatives and anti-derivatives of algebraic, trigonometric, logarithmic, and exponential functions and the definite integral. Applications include curve sketching, optimization problems, and related rates. A graphing calculator is recommended. MATH 201 fulfills the SUNY General Education Mathematics requirement.

FINANCIAL MATH 1 UNIT 1 YEAR

A specialized interdisciplinary course that applies mathematics to financial problems. This course is designed to prepare students for understanding the complex financial world they will encounter in their lives. This course is for students who have successfully passed the required regents examinations.

FUNDAMENTALS
OF GEOMETRY 1 UNIT 1 YEAR

This is a non-regents course. Topics of instruction will include geometric relationships, transformation geometry, and coordinate geometry.

COLLEGE PREP ALGEBRA II/
TRIGONOMETRY 1 UNIT 1 YEAR

This is a non-regents course. Topics of instruction will include an introduction to operations, equations and inequalities, variables and expressions, patterns functions and relations, trigonometric functions, logarithmic fucntions with an emphasis on strengthening algebraic skills.

COMMON CORE GEOMETRY 1 UNIT 1 YEAR

Common Core Geometry is a one-year course. Topics of instruction will include geometric relationships, constructions, locus, formal and informal proofs, transformational geometry, coordinate geometry, circle geometry and trigonometry. The course will conclude with the Geometry regents in June of the academic year.

PRE-CALCULUS 1 UNIT 1 YEAR

Pre-Calculus is an entry level to Calculus. It provides a foundation of the skills necessary to be successful in Calculus. Major units will cover vectors, trigonometry, functions, graphs, parametric equations, polar equations, matrices, and graphing calculator use.

PROBABILITY AND STATISTICS 1 UNIT 1 YEAR

This course, primarily for seniors, is a college introductory course in probability and statistics. Topics include collecting data, numerical data sets, bivariate data, general probability, probability distribution, and confidence intervals. The course will culminate in a final examination and will assist students

who need a more advanced understanding of Probability and Statistics in college.

SAT MATH ½ UNIT 1 YEAR

This course is designed to prepare students for their PSAT/SAT, which is typically administered and taken during the student's junior year in high school. Students will diagnose their particular strengths and weaknesses to determine those areas where additional practice may be needed. Students will complete exercises that will build their math skills. Also, students will be presented with hints to make their test-taking experience easier.

Additionally, students will be equipped with certain organizing principles that will help them handle SAT questions.

THE MUSIC DEPARTMENT

FOUNDATIONS IN MUSIC 1 UNIT 1 YEAR

This course will cover basic music theory and an overview of music history. Emphasis is placed on ear training and sight reading as well as composition and arranging. This course is required for all students seeking a sequence in music.

INSTRUMENTAL MUSIC ½ UNIT 1 YEAR

Prerequisite: 4 or more years of instrumental instruction on one of the following instruments: flute, oboe, clarinet, bassoon, saxophone, French horn, trumpet, trombone, baritone, tuba, or percussion.
Students in high school concert band must attend one instructional lesson per week. They must also attend all performances performed by the concert band. Students who desire to play a band instrument but have had instruction for less than the prerequisite should sign up for independent study of band. These students must supply their own instrument and take only lessons until they have reached an acceptable level of competency as determined by the instructor. Upon reaching the minimum standards, the student will be allowed to take part in the concert band. Other groups derived from band are Marching Band, Jazz Ensemble, Pep Band, All County Band, Area All State, All State Conference festivals, and NYSSMA solo and ensemble festival.

THEATER PRODUCTION TECHNIQUES ½ UNIT ½ YEAR

This course is an introduction to scene design and construction, lighting, sound, costume, and makeup. Students will practice the skills learned and apply them in concerts and dramatic productions throughout the year. This course is perfect for those that want to be part of theater, but not on stage!

SENIOR CHORUS MIXED ½ UNIT 1 YEAR

This course will provide musical opportunities for every student to learn the basic skills of singing, playing and reading music, developing song repertoire, broadening listening skills and experiencing the interrelated nature of music with other cultures and content areas. This course is required for all students seeking a sequence in music.
Requirements: Participation in Senior Choir (2½ rehearsals per week), group lesson labs (1 lab per week), and all school performances.

Other ensembles derived from Senior Choir: Select Choir, Men's Ensemble, Women's Ensemble, All-County, Area All State, Conference All-State Festivals, and NYSSMA Solo & Majors Festival.
(Students must be a participant of Senior Chorus in order to be considered for these groups).

WOMEN'S ENSEMBLE ½ UNIT 1 YEAR

Requirements: Participation in Women's Ensemble (2½ rehearsals per week) and all school performances.

This chorus is open to any female in grades 9-12. When possible, all 9th grade female students will sing in Women's Ensemble before entering Senior Chorus. Students will perform varied women's chorus literature in school concerts.

Lessons are not required for Women's Ensemble.

THE PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION ½ UNIT 1 YEAR

The physical education program strives to give each student the physical and emotional foundations needed to enjoy a healthy lifestyle. Students concentrate on problem solving, working with others, personal fitness and lifetime activities. These skills and concepts will enable our students to reach their potential as knowledgeable, responsible and healthy adults. Throughout our program of physical education, Canastota students will incorporate cooperation, positive values and personal fitness into a healthy active lifestyle.

THE SCIENCE DEPARTMENT

ACTION CHEMISTRY 1 UNIT 1 YEAR

The curriculum is designed for those students who desire some degree of chemical knowledge and a science sequence to meet the requirements for a high school diploma. The course is designed to meet the academic needs of those students who plan to enter professions where basic skills of practical chemistry are required and desired. The practical applications rather than the theoretical application of Chemistry are addressed. There is a final exam but no regent exam given.

This course can be used to complete as one unit of the three units required for graduation.
No Regents Exam. Final exam given at end of year.

ANATOMY/ PHYSIOLOGY/GENETICS 1 UNIT 1 YEAR

This course is geared to students who have successfully completed two years of science including Living Environment. The focus is a comparative study of the anatomy and physiology of various organisms including the earthworm, the frog, the fetal pig and the cat. Emphasis is placed on the dissections of the organisms and the comparative studies of their structures and functions, as well as diseases and disorders associated with each system studied. Within the course is a mini genetics unit with the focus on an exploration of heredity through genetic crosses. Questions regarding the role of genetics in today's society, as well as current research will also be addressed. Students completing this course will have a solid understanding of the body, its systems and how they function as a whole. **NOTE: ½ year course does not include the Genetics component.**

TC3 PHYSICS (PHSC) 104/105 8 CREDITS 1 YEAR
Pre-requisites: Successful completion of chemistry and biology with a minimum average of 80. Passing average is also required in all mathematics courses through and including Algebra II.

This is a two-sequence concurrent enrollment course with Tompkins Cortland Community College, which also covers the NYS physics standards in 2 periods every day. Students register with Tompkins Cortland Community College for an opportunity to earn up to 8 college credits at no charge for NYS residents (with completion of documentation required by the county of residence).

Topics in the first sequence include: Kinematics, dynamics, energy, rotational kinematics, and waves. Topics in the second sequence include: Electricity, magnetism, electromagnetic induction, circuits, optics, relativity, quantum physics, and the standard model. Laboratory exercises reinforce topics studied while emphasizing error analysis and graphical analysis techniques. Students design and implement their own procedures, followed by peer review and refining.

Students are expected to take the Regents Exam in June, after successfully completing a minimum of 1,200 minutes of hands-on lab experience. In addition, there will be a college final exam at the end of each semester.

ENERGETIC FORCES 1 UNIT 1 YEAR

Energetic Forces is a course geared toward underclassmen that need a physical science and may need extra practice in solving simple algebraic equations. Energetic Forces examines the world and the universe by examining the impact of energy and forces within them. Topics include: Potential, kinetic, work, force, fossil fuels, green fuels, nuclear, stellar forces, and universal forces that shape reality.

APPLIED AGRISCIENCE 1 UNIT 1 YEAR

Doing to learn is the purpose of this class! As a primarily hands-on course in agriculture you can get started on a journey into the wide variety of agriculture! We study agriculture careers and job opportunities, leadership skills, FFA history, agricultural foods, animals and plants, as well as conservation and wildlife management. The production of agriculture food products will also be investigated. Class projects include: raising and caring for animals (fish), plant growth, agricultural safety and conservation. Students will be able to take skills learned in this course and apply them to future goals. The opportunity to compete in various FFA leadership activities and competitions is available.

TC3 CHEM 101/102 8 COLLEGE CREDITS 1 YEAR
Pre-requisites: Students should be enrolled in Geometry or a higher-level math class. Students should have successfully completed Regents Living Environment and/or Earth Science with a 75 or higher average. Successful completion of prior science classes with a minimum average of 75. Passing average is also required in prior math classes.

This is a two-sequence concurrent enrollment course with Tompkins Cortland Community College, which also covers the NYS chemistry standards in 2 periods every day. Students register with Tompkins Cortland Community College for an opportunity to earn up to 8 college credits at no charge for NYS residents (with completion of documentation required by the county of residence).

Chemistry is the study of matter, all of the elements that compose it, and all of the reactions it can undergo. Units od study include, analyzing the mathematical relationships of physical and chemical changes, gas laws, matter and energy, atomic and molecular structure, nuclear chemistry, bonding, kinetics, equilibrium, acids and bases, redox and electrochemistry.

Students are expected to take the NYS Regents Exam in June, after successfully completing a minimum of 1,200 minutes of hands-on lab experience. In addition, there will be a college final exam at the end of each semester.

EARTH SCIENCE
PHYSICAL SETTING (R) 1 UNIT 1 YEAR

This course is designed to teach observation, measurement, and subject matter pertaining to earth dimensions, rocks, minerals and resources, dynamic crust, surface processes, earth's history, meteorology, water cycle and climate, astronomy, and environmental awareness. This will be accomplished through lecture discussion and laboratory experiences. A student must complete the laboratory requirements to be eligible to take the Regents examination.

FOOD SCIENCE, PRODUCTION AND PROCESSING ½ UNIT OR 1 UNIT

Where does your food come from? What happens after harvest? In this very hands-on class, students discover food-processing techniques ranging from ice cream and yogurt to potato chips and cereal. The class experiments with issues of food safety and packaging, and explores career choices in the exciting world of food science.

GREENHOUSE MANAGEMENT ½ UNIT OR 1 UNIT

In this course students operate a working greenhouse business. Students will be instructed how to operate a fully automated greenhouse and the proper conditions for plant growth at each stage of plant life. Students learn various methods of propagating plants and produce indoor plants for sale. Bedding plants are also produced for use in a community garden and landscaping projects such as flower beds on school grounds.

LIVING ENVIRONMENT (R) 1 UNIT 1 YEAR

The Living Environment course is based on the Living Environment Core curriculum provided by New York State. Emphasis is on the homeostatic balance within organisms and between organisms and their environment. The following concepts are addressed by this course: Similarities and differences between living and nonliving things, genetic continuity and variations, dynamic equilibrium between organisms and their environment, human's impact on the physical and living environment, and fetal pig dissections are performed. Students must complete the laboratory requirements to be eligible to take the Regents examination. Thirty lab periods, equivalent to 1,200 minutes of labs, must be successfully completed to be eligible. Students must pass this course and Regents examination in order to graduate.

NATURAL RESOURCE MANAGEMENT ½ UNIT OR 1 UNIT

Students learn about wildlife identification and habitats, tree identification, forest management, aquaculture, soil management, bird identification, land surveying, and map reading. As part of the aquaculture unit, over 100 brook or brown trout are raised and released.

PHYSICS (R) 1 UNIT 1 YEAR

Regents Physics is a high-level science geared to upper level students. Prerequisites for the course are successfully completing Regents Chemistry with a 70 or higher and passing the Chemistry Regents exam. Students must also have completed, or be currently taking, Algebra II/Trigonometry. Concepts include kinematics, forces, energy, waves, electricity, and modern physics. Students are required to complete a lengthy Rube Goldberg Project.

PHYSICS IN ART AND HISTORY 1 UNIT 1 YEAR

Students will use physics to explain the world around them, by making connections with art, history and other courses. The class is largely student-led through project-based learning, which includes lots of critical thinking and collaboration. This general elective is designed to run every other year, alternating with Energetic Forces. There will be some simple math calculations, but not higher-level math found in other physics classes. Topics covered may include the physics of: Leonardo Da Vinci, density and pouring, statics and architecture, waves and music, fractals and Photoshop, color theory and cubism and dimensions.

TC3 BIOL 104/105 4 or 8 CREDITS 1 YEAR

Minimum enrollment 8, maximum 20.

Prerequisites: B (80%) or better in Living Environment and Chemistry classes, and on the respective Regents exams; successful completion of Algebra 1 and Algebra 2.

Biology 104/105 is a full year college sequence exploring fundamental characteristics of life from the molecular level to the ecological community. Topics include: organization of life, energy transfers, photosynthesis, cell division, genetics, DNA technology, evolution, diversity of life and systematics, plants, animal diversity, structure and life processes of animals, and ecology. Students may register with Tompkins Cortland Community College for one or both semesters for an opportunity to earn up to 8 college credits at no charge for NYS residents (with completed residency form.)

SUPA FORENSICS (SYRACUSE CHEMISTRY 113: FORENSIC SCIENCE) 4 CREDITS ½ YEAR

Preference is given to seniors but juniors may enroll if there is room available. Minimum enrollment 8-10, maximum 20.
SUPA Forensics (Chemistry 113) is a four-credit college course focused on the application of scientific methods to crime and law. This course is intended to provide an introduction to understanding the science behind crime detection. Scientific methods, especially relevant to crime

detection and analysis will be presented with emphasis placed on techniques used in evaluating physical evidence, as well as blood analysis, organic and inorganic evidence, hair and DNA. Also included are a number of forensic investigation techniques. Laboratory exercises will include techniques commonly employed in forensic investigations.

AQUACULTURE ½ UNIT OR 1 UNIT

In this class you will gain knowledge of fish anatomy, physiology and nutrition and apply that when YOU engineer and/or maintain a system for growing fish on a small scale. You will also learn how to engineer and maintain an aquaponics system using fish waste water as nutrients for vegetable production. You will take part in raising trout and/or some other type of fish.

ENVIRONMENTAL SCIENCE ½ UNIT OR 1 UNIT

This course is designed for students interested in environmental conservation, ecology and other environmentally related areas. Students are introduced to basic ecological systems of the environment and how humans affect the environment. Study in environmental concerns and conservation are also taught. Students learn to identify various species of wildlife and examine their habitats. An introduction to orienteering and forestry is also given. Students have the opportunity to compete in the NYS Envirothon and various FFA competitions relating to environmental science.

ENVS 101 3 CREDITS 1/2 YEAR

This course explores dimensions of natural-resource management issues. A basic introduction to evolutionary and ecological principles help support discussions of topics such as human population dynamics, human health and toxicology, wildlife biology and management, food production, pest control, and maintenance of biodiversity. Both local and global issues are addressed. Students will be presented an overview of current biological resource problems. Beginning with an introduction to the concept or sustainability and basic ecological principles, the course will focus on issues such as human population growth and its implications, the value of biodiversity, and issues relating to the maintenance of the world's terrestrial, marine, and aquatic ecosystems. Throughout the semester, there will be an attempt to relate these problems to the students personal experiences. Students will also look at how our relationship with the environment has changed.

ENVS 102 3 CREDITS 1/2 YEAR

This course examines the technological aspects of resource problems. Topics include air and water pollution, traditional and alternative energy sources, climate change, and management of non-renewable resources. Technical and economic constraints are considered, along with alternatives for future development. Local and global issues are addressed. The focus of this course is on resource issues related to physical and chemical components of the natural world and technology used to manage these problems. Major topics to be covered include sources of air and water pollution; management of non-renewable resources such as fossil fuels and minerals, and alternative energy sources. Much of the course will be taught around the broader theme of climate change, the challenges it poses, the ways we can address it, and how addressing it will improve our lives.

LANDSCAPE DESIGN AND MAINTENANCE ½ UNIT OR 1 UNIT

This course offers students an overview of this growing industry, providing instruction and activities in landscape design, installation and management. Students will have the opportunity to create their own landscape designs with a computer program, construct a new landscaped area and provide seasonal maintenance on existing landscaped areas near the school.

CONCEPTUAL PHYSICS 1 UNIT 1 YEAR

Conceptual Physics is a course rooted in concepts and not Math. Students will examine reasons behind physical phenomenon without making actual calculations. This course is for upperclassmen who have successfully completed two prior years of science classes.

THE SOCIAL STUDIES DEPARTMENT

TC3 HSTY 201-AMERICAN HISTORY TO 1877
3 CREDITS ½ YEAR

This is the first part in an advanced course sequence designed for students in 11th or 12 grade who are interested in American history and who seek advanced work in order to receive college credit. In HSTY 201 students will study the American people from the point of European contact to the end of the Reconstruction period. Selected issues emphasized include the impact of European intervention on Native American civilizations, the development of the American republic, westward expansion, immigration, economic and religious ideals, the institution of slavery, sectionalism, early social reform movements including women's rights and abolition, and the war between the states. Students can earn 3 college credits, and the course fulfills the SUNY General Education American History requirement. Students also take the NYS United States & Government Framework Exam upon completion of the sequence. In order to enroll the student must have an overall GPA of at least 85% (and no single marking period average below 65%) in their Global II course.

TC3 HSTY 202-AMERICAN HISTORY SINCE 1877
3 CREDITS ½ YEAR

This is the second part in an advanced course sequence designed for students who are interested in American history and who seek advanced work in order to receive college credit. HSTY 202 analyzes challenges faced by the American people since the end of Reconstruction. Issues include the effects of industrialization, social, economic and political

reform, imperialism, immigration, urbanization, populism, progressivism, the transformation from isolationism to a position of world power, the New Deal, World War I, World War II, the Cold War, the revival of feminism and racism. Students can earn 3 college credits, and the course fulfills the SUNY General Education American History requirement. Students also take the NYS United States & Government Framework Exam upon completion of the sequence. In order to remain enrolled in the sequence, the student must have successfully completed HSTY201 in the Fall semester.

CURRENT ISSUES ½ UNIT ½ YEAR

This course is designed for students with an interest in current events on local, state, federal, and international levels. Research and projects will be incorporated throughout the course.

ECONOMICS ½ UNIT ½ YEAR

Students will analyze, evaluate and learn how to make sound economic decisions in the ever-changing global economy. The course will expose students to basic principles in microeconomics and macroeconomics and include current data on a variety of economic topics. **Passing this course is a requirement for graduation.**

GLOBAL HISTORY AND GEOGRAPHY I 1 UNIT 1 YEAR

Global History & Geography I is the first of two required global history courses students will need to pass in order to graduate high school. This course introduces the students to the dimensions of Global History - history, geography, economics, and political science and government. It deals with the first four eras of Global History, including prehistoric peoples, the Ancient Worlds of Rome, the Middle East and China, world religions/ belief systems, and the histories of China, Japan, South Asia, the Middle East, Latin America, Africa, and Europe from 1000 C.E. until the mid-1700's. In addition, this course goes beyond basic memorization of dates, leaders and events and challenges students to investigate how history is created. Students will read primary and secondary sources in order to identify and explain: historical circumstances, geographic context, similarities/ differences, cause/ effect, turning point, bias, purpose, point of view and audience. In addition, students will develop their writing skills throughout the course in order to create an enduring issues essay.

GLOBAL HISTORY AND GEOGRAPHY II (R) 1 UNIT 1 YEAR

Building upon the Global History and Geography 9 curriculum, students will study the time period from 1750 through modern times. They will compare and contrast various events, learn about different cultures, geography, economics, political systems, and other themes that are essential to understanding global history. The Global Regents only covers the Global II curriculum and students take the Global History and Geography Framework exam.

PARTICIPATION IN GOVERNMENT ½ UNIT ½ YEAR

Students will display acts of citizenship throughout the course. The practiced role of citizenship during Participation in Government will help prepare students for the real world. During this course student will be required to complete community service, actively engage in the political process, increase political awareness, and become more involved in the political process. The study of past, present, and diverse governments will also be examined in this course. Ten hours of community service is a requirement to pass Participation in Government. Students must attend two Public Hearings (i.e. Board Meeting) and one Judicial. **Passing this course is a requirement for graduation.**

PSYCHOLOGY ½ UNIT ½ YEAR

The course stresses Behavioral Psychology and attempts to highlight introductory topics in the vast and ever-changing field of Psychology. The major content of the course includes the following topics: The Foundations of Psychology, Consciousness, Learning, Personality Theories, Mental and Behavioral Disorders and Therapies, Social Behavior of Individuals and the Group, Stress and Health, and Gender Roles. This class involves critical thinking, discussion, hands-on activities, and is project-based.

UNITED STATES HISTORY AND GOVERNMENT (R) 1 UNIT 1 YEAR

This course examines the history of the United States starting with the European colonization of North America and progressing to the present day. The course content is presented based on the New York State Social Studies Framework, and incorporates the continued practice and application of the social studies skills and practices. Coursework will focus on incorporating primary and secondary sources to help students understand and explain historical context, perspective, document sourcing, cause and effect relationships, turning points, and comparison/contrast in United States History. The course culminates in the New York State United States History and Government Framework Regents Exam in June.

SOCIOLOGY ½ UNIT ½ YEAR

Introduction to sociology is a one semester course intended to give you a broad picture of the field of sociology or the study of society. In this course, you will cover topics like socialization and culture, deviance, aging and death, health, politics, and social media. You will learn about how people interact and why they act the way they do. This course is project-based and features class discussion and group work.

THE DECADES ½ UNIT ½ YEAR

The Decades is a one semester course that is meant to give students the chance to go back to one of the decades of the 20th century and examine it in greater depth. For example, instead of covering the 1960s or the 1980s in a week or two, students will have the opportunity to really understand what

happened during that decade here in the US and abroad, how society was changing, and what the legacy of that decade is for us today. This course features discussion, group work, and decade-related movies. The decade studied will be determined each semester (20s-90s).

TECHNOLOGY

VIDEO PRODUCTION 1 UNIT 1 YEAR

Video Production is a High School Course where Students learn the fundamental skills and knowledge of Video Production with an understanding of Pre-Production, Production, and Post Production. Coursework provides an overview of video history, production planning, film creation, camera operation, and editing.

BOCES PROGRAMS

Students interested in a BOCES course must plan accordingly at the time they enter high school.

Students interested in a specific BOCES program should discuss this with their high school counselor before entering grade 10 in order to schedule any necessary prerequisites, as well as all necessary requirements in math, science, health, art/music. Successful completion of all requirements in ninth and tenth grade is necessary for each student interested in a two-year BOCES program. Students who complete a two-year BOCES Program earn the following integrated course credits: Math 11, Science 12, Economics and Government, and English 12. Students must pass New York State assessments in order to receive integrated credits.

madison-oneida
BOARD OF COOPERATIVE EDUCATIONAL SERVICES

AGRICULTURE AND NATURAL SCIENCES
CONSERVATION

Conservation is a two-year program that will prepare students for career options and college majors in conservation and environmental science. Students study five key areas of conservation: Forestry and Landscaping, Surveying, Fish and Wildlife Management, Forest Recreation Management, and Equipment Operation. Students spend time on trails in the forest area located just off the Rossetti Center campus identifying trees and wildlife tracks, testing water and soil for chemicals, surveying boundary lines, harvesting timber, removing trees, and operating log skidders. Students also participate in running a maple syrup operation and compete in state contests to demonstrate their skills.

AGRICULTURE AND NATURAL SCIENCES
EQUINE AND ANIMAL SCIENCE

Equine and Animal Science is a two-year program that prepares students for careers in the equine and animal sciences field. Students learn to care, train, and manage pleasure, standard bred, and draft horses. Students also learn the physiology and anatomy of equine and animal structures, behaviorism, breeding, and much more. Research papers, projects, and presentations in class are a daily part of academic life in Equine and Animal Science. Students also travel to a live horse lab several days per week, working with six to eight horses at a local barn to apply what they are learning in class.

CONSTRUCTION TRADES
CARPENTRY

Carpentry prepares students for careers in building construction. Students learn to plan, design, estimate, and build residential structures. Class time is spent learning the fundamental principles and concepts of layout and design, rough framing, dry wall installation, basic electricity, masonry, plumbing, roofing, and more. A fully equipped lab provides students with opportunities to apply what they have learned in class to real-world projects. Students also learn to apply basic algebra and trigonometry to designing and building.

CONSTRUCTION TRADES
ELECTRICITY AND HVAC

Electrical/HVAC prepares students for careers in Electricity, Heating, Ventilation and Air Conditioning. Students learn how to safely design, install and maintain electrical circuitry for fixtures and appliances in commercial and residential buildings. Mastery practice in the field of electricity requires higher level math and science skills. Students who enjoy science courses (such as physics) may find the study of electricity equally interesting, which requires the use of physics principles, laws, and applications. A fully equipped lab provides students with opportunities to apply what they have learned in class to real-world projects.

CONSTRUCTION TRADES
HEAVY EQUIPMENT OPERATION

Heavy Equipment students learn to safely operate backhoes, loaders, bulldozers, graders, excavators, and other equipment used for building and highway construction and excavation. Students study and practice safety, construction theory, operator maintenance, equipment operation, basic surveying and more. A full array of modern equipment affords students opportunities to apply what they have learned in class to actual work sites. Step-by-step instruction in the operation of equipment is provided, culminating in an internship with a local employer. In addition, students apply concepts in physics, material dynamics, math and soil science.

HEALTH CAREERS
HEALTH PROFESSIONS

Health related careers prepare students for careers in nursing and healthcare. Students receive comprehensive instruction and training for the Nurse Aide Certification along with exposure to multiple areas of health care including nursing, emergency care, medical records, physical and occupational therapy, and nurse assisting. Academic achievement, attendance, projects, clinical hours at local hospitals and nursing homes, and volunteer hours are strong components of the program. Completion of Regents Chemistry is essential for entrance into college programs, along with strong academic and study skills. College credit opportunities are available to students who pass a college placement exam.

HUMAN AND PUBLIC SERVICES
COSMETOLOGY

Cosmetology prepares students for careers in business, beauty, fashion and more. Units of study include anatomy, dermatology, basic chemistry, communication, business, purchasing, inventory control, and more. A fully equipped lab and beauty salon provides hands-on experience answering phones, scheduling appointments, ordering inventory, and providing hair, nail, and skin care services for customers. The two-year program prepares students for the NYS Board Licensing Exam, which includes a summer session.

HUMAN AND PUBLIC SERVICES
CRIMINAL JUSTICE

Criminal Justice prepares students for careers in law enforcement. Students study law enforcement including pre-law, criminal & traffic law, corrections, social services, probation, police investigative work, and much more. Basic operations such as fingerprinting, handcuffing, criminal tactical training, self-defense, crime scene investigation, crowd control, and traffic control provide students with hands-on experience. Academic preparation in combination with leadership development and police academy training provides a dynamic, life-changing environment. Students work with local police departments in police car ride-alongs, and serve at local events performing crowd & traffic control and security services.

HUMAN AND PUBLIC SERVICES
CULINARY ARTS

Culinary Arts prepares students for careers in hospitality including hotel, restaurant and resort management, fast food, cruise industry, theme parks and more. Students learn the basics of baking, commercial food preparation, food service, fine dining, restaurant operations, catering, banquet operations, and much more. Students can specialize in baking, commercial food preparation, or front-end service. A fully equipped commercial kitchen enables students to practice their skills. Seniors also complete an internship at a local restaurant, bakery, hotel or food service facility as preparation for college or employment.

HUMAN AND PUBLIC SERVICES
EARLY CHILDHOOD EDUCATION

Early Childhood Education prepares students for careers in teaching and working with children. Through practicums, students develop the characteristics of successful teachers and childcare providers. Working in a live nursery school lab helps them learn to meet the developmental needs and interests of young children. Planning, developing, and implementing weekly lessons enables students to understand the physical, cognitive, social, and emotional development of children. Topics include principles of classroom management, early learning & center-based management, interpersonal & communication skills, observation and assessment, guidance techniques, and the special needs child.

MECHANICAL TRADES
AUTO BODY REPAIR

Auto Body Repair includes elements in safety, welding, refinishing, repair estimation and much more. A fully equipped laboratory/shop helps students to apply what they have learned in the classroom through hands-on training in the lab. Students learn basic safety, knowledge of equipment, tools and their maintenance, working with sheet metal, welding, and fiberglass repair. Project-based lessons enable students to apply what they are learning to real-world situations. Additionally, students gain industry experience through the completion of an internship with a body shop, dealership, or another business in a related field.

MECHANICAL TRADES
AUTOMOTIVE TECHNOLOGY

Automotive Technology is a NATEF certified program which includes rigorous academic instruction using a college-level textbook. The ability to perform complex problem-solving skills and basic properties of applied chemistry and physics is important. Students study auto systems, diagnostic equipment operation, and much more. A fully equipped laboratory affords students hands-on training and instruction. Project-based learning includes engine dis-assembly, parts identification, and re-assembly. Students study advanced elements of automotive repair technology in their senior year and gain experience working on customer projects and industry-based jobs. Students in good standing may complete an internship with a local business.

MECHANICAL TRADES
RECREATIONAL & OUTDOOR POWER EQUIPMENT

Recreational and outdoor power equipment prepares students for careers in mechanical and welding services. Students study engine theory and operation, electricity, drive and transmission systems, diagnostics and repair, carburetion and more. Students learn to maintain and repair lawn mowers, tractors, all-terrain vehicles, snowmobiles, motorcycles and more. Problem solving skills are essential to diagnose, repair, disassemble, and rebuild engines. Working on projects and jobs for customers helps students gain authentic work experience and skills. Seniors may complete an internship with a local business at the end of their senior year.

PROPEL

PROPEL is an award winning partnership between Madison-Oneida BOCES, regional high schools, and MVCC that allows students to take college classes at the MVCC Rome campus and work toward micro-credentials and certificates during their junior and senior high school years. The following PROPEL programs are offered: Cybersecurity/Computer Science, Remotely Piloted Aircraft Systems, Mechanical Engineering Technology and Business Administration.

SPORTS MANAGEMENT & ENTERTAINMENT MARKETING I & II

This exciting two-year pathway will offer an in-depth look at the business and behind-the-scenes aspect of sports, recreation, and entertainment. Units of study include: Sports Research, Talent Recruitment and Promotion, Broadcasting, Sports Law, Brand Development, Event Planning and Management, Marketing Fundamentals, Public Relations, Consumer Trends, Sports and Entertainment Economics, Budgeting, Venue Management.

TECHNOLOGY
COMPUTER PROGRAMMING

Computer Programming is a two-year program which prepares students for 21st Century careers in the field of computer programming and office technology. This course teaches students how to write computer programs in the C++, Java, and HTML languages, which are used as the primary infrastructure of web-based commerce and internet enterprise. In addition, students learn web page development, computer software applications, database development, systems analysis, and much more. Students will learn problem solving, teamwork, networking, interpersonal communication skills, and more.

TECHNOLOGY
GRAPHIC DESIGN TECHNOLOGY

Graphic Design Technology prepares students for careers in the field of graphic design. Instruction and hands-on activities include; working with principles of design, hand-drawing artistic creations, and designing and manipulating computer

generated designs using Adobe Photoshop principles and techniques. Additionally, students will learn screen printing basics, and producing various advertisements, pamphlets, posters, and brochures. Students use a variety of intensive software programs, scanners, and screen printing equipment to produce custom job orders. Students will produce a portfolio of their work. Students leaving this program should continue their education and training at the post-secondary level for most careers in graphics design.

TECHNOLOGY-INFORMATION TECHNOLOGY SYSTEMS/CISCO NETWORKING

IT Systems/Cisco Networking prepares students for careers in the field of information technology. Students learn to successfully install, maintain, and repair computer networks and hardware/software upgrades. Project management, complex problem solving, team working, interpersonal, and customer service skills are a primary focus of the program. Students apply learning to real world projects, such as building a computer network, installation, troubleshooting and repair of hardware and software problems, and setting up wide area networks. Careers in IT require two and four-year college degrees to be competitive in the job market.

TECHNOLOGY
ENGINEERING SCIENCE

Engineering is a rigorous program that not only prepares students to meet college entrance requirements, but also to achieve their highest potential and to successfully complete their engineering degree once in college. The integration of higher-level math and physics combined with relevant cutting edge technology creates an innovative approach to learning that helps prepare students for success in college and beyond. Students study in a rigorous and challenging learning environment to include complex problem solving, project management, team working, interpersonal communication, and networking. Project-based learning provides realistic, student-focused learning in a fun-filled environment. Students may enroll in a one-year option for their senior year, or for two years to complete a full Engineering Science program sequence. Students should demonstrate success in higher level math and sciences courses as a pre-requisite.

BOCES PROGRAMS
(One-Year Program Options)

NEW VISIONS -ALLIED HEALTH PARTNERSHIP PROGRAM

Allied Health Partnership represents a dynamic new approach to program diversity for senior high school students. Oneida Healthcare Center, in partnership with the Madison-Oneida BOCES, have designed a program to provide an insider's study of the broad, health-related career fields found in hospitals today. Allied Health places students in the highly challenging work environment of the Oneida Healthcare Center, where they receive a first-hand, in-depth overview of the healthcare field. Through observation within various departments of these facilities, students learn what it takes to be a successful healthcare professional and how their training and education apply to real-life situations. Equally as important, students gain an appreciation and understanding for the professional demands, busy work environment, and team spirit inherent to the delivery of quality patient care. This program is a morning class only and will provide 4 units towards graduation including 1 unit of English 12, 1 unit of Government and Economics, and 2 units of Health Occupations (Includes a dual credit English Language Arts option through Morrisville State College). Students must complete an application and interview for this program.

NEW VISIONS PROFESSIONS

New Visions is a one-year program which affords students opportunities to explore unique careers existing within a variety of fields. New Visions students explore career options not offered at the home school or the Rossetti Education Center. This dynamic program prepares students for collegiate study in their chosen major, while providing opportunities for career exploration and assessment through a long-term internship experience. The course consists of a basic business curriculum contextualized to the student's career major through project-based learning, work-based learning, and connecting activities. Once the student's career goal is determined, the New Visions Coordinator will work to secure an internship placement with an employer/mentor from the business community. Students must have their own transportation to and from their internship location and be in good academic standing at their home school This program is a morning or afternoon class and will provide 4 units towards graduation including 1 unit of English 12, 1 unit of Government and Economics, and 2 units of New Visions (Includes a dual credit English Language Arts option through Morrisville State College). Students must complete an application and interview for this program.

NEW VISIONS ENGINEERING SCIENCE

Engineering Science prepares students to meet college entrance requirements and to successfully complete their engineering or engineering technology degree. The integration of higher-level math and physics combined with relevant cutting edge technology creates an innovative approach to learning that helps prepare students for success in college and beyond. Students study in a rigorous and challenging learning environment. This program is a morning or afternoon class and will provide 4 units towards graduation including 1 unit of English 12, 1 unit of Government and Economics, and 2 units of Engineering (Includes a dual credit Calculus option through Morrisville State College).