GRADUATION REQUIREMENTS AND CREDITS 2026-27

GRADUATION CREDITS (All require a minimum of 22 credits)	LOCAL DIPLOMA (CSE Students only)	REGENTS DIPLOMA	REGENTS DIPLOMA WITH ADVANCED DESIGNATION
English	4	4	4
Social Studies	4	4	4
Mathematics	3	3	3
Science	3	3	3
Language other than English	1	1	3
Physical Education	2	2	2
Fine Arts	1	1	1
Health	1/2	1/2	1/2
Electives	3 1/2	3 1/2	1 1/2
Total	**22**	**22**	**22**

For the Class of 2027:

Students with disabilities who score 55-64 on any of the required Regents examinations may earn a local diploma.

*Required Regents exams include: English Language Arts, 1 Science, 1 Math, Global Studies and US History and Government.

**In addition to the required exams, students must also pass another science (must pass at least one life science and at least one physical science) and three Mathematics (Algebra, Geometry and Algebra 2).

***Regents with Honors – Regents exam scores have a cumulative average of 90% or above.

Graduation and the Regents exam requirements will change for the 2027-28 school year based upon NYS Education Dept. regulations

MINIMUM REQUIRED CORE COURSES

English	Social Studies	Mathematics	Science
English 9	Global Studies 9	Algebra	Living Environment
English 10	Global Studies10	Geometry	Earth Science
English 11	US History and Government Or College US History	Algebra 2 Or	Chemistry Or
English 12 Or College English	Economics and Participation in Government Or College PIG/ECON	Algebra 1A Algebra 1B and 3rd math	Physics Or 1 Science elective

FINE ARTS

To qualify for graduation, all Morris High School students must have completed at least one credit of art and/or music. The courses that may be used to satisfy this requirement are:

- Studio in Art, Drawing and Design for Production, Band, Chorus

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ENGLISH

ENGLISH 9 - full year course, 1 credit
The purpose of this course is to improve student reading, writing, listening, and speaking skills through the combination of reading strategies and writing instruction with grade-level curriculum. These skills are developed through the reading of literary and informational texts, academic language development, and writing of informational, argumentative, and narrative pieces. Students practice critical thinking, comprehension, and application skills through thematic units. All lessons, units, and class activities have been designed in accordance with the New York State Next Generation Standards.

ENGLISH 10 - full year course, 1 credit
The purpose of this course is to improve student reading, writing, listening, and speaking skills through the combination of reading strategies and writing instruction with grade-level curriculum. These skills are developed through the reading of literary and informational texts, academic language development, and writing of informational, argumentative, and narrative pieces. Students practice critical thinking, comprehension, and application skills through thematic units. All lessons, units, and class activities have been designed in accordance with the New York State Next Generation Standards.

ENGLISH 11 - full year course, 1 credit
English 11 develops and refines student writing in academic, literary, and creative contexts. Students engage and respond to many challenging texts as they develop critical thinking skills. They will learn to support their ideas with credible, authoritative information from academic sources and will be able to recognize audience, purpose, and bias. In addition, they will apply creativity to their writing as directed. Poetry, plays, novels, novellas, and short stories and short nonfiction pieces are read throughout the year. Students will be exposed to sophisticated vocabulary and will learn parts of speech and punctuation. Students will create a resume and prepare for college applications. Students take a New York State Regents exam at the end of this course. Students must pass the New York State English regents exam in order to graduate.

ENGLISH 12 - full year, 1 credit
English 12 develops and refines student writing in academic, literary, and creative contexts. Students engage and respond to many texts as they develop critical thinking skills. They will learn to support their ideas with credible, authoritative information from academic sources. In addition, they will apply creativity to their writing as directed. Poetry, plays, novels, novellas, and short stories and short nonfiction pieces are read throughout the year. This class tends to be project-based. Students will learn parts of speech and punctuation. In addition, students will create a resume for college applications and future jobs. Students will learn business writing techniques as well. This course is centered on community and class as well as the individual.

COLLEGE ENGLISH- two half year courses, ½ credit each
PREREQUISITES: 85 or better on the ELA Regents (writing section must be at the mastery level (ex. Part 1 of the Regents is a 5 or more out of 6 and a Part 2 is a 3 or more out of 4) or a final average of 90 or better in English 11. Teacher recommendation is required to take these courses.

ENGL 101 ACADEMIC WRITING II (Fall semester) This course develops and refines student writing in an academic context. Students engage and respond to many 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. Readings will shape a foundation for ethical judgment and inquiry. This course includes writing assignments as well as reading assignments. TC3 credit will be earned with a final grade of C or better.

ENGL 102 APPROACHES TO LITERATURE (Spring semester) This course provides a comprehensive introduction to the major aspects of three genres of literary expression: short fiction, drama, and poetry. Students will respond critically to readings of different historical and cultural contexts through class discussion, various projects, and written evidence-based literary analysis. These contexts will include different worldviews, politics, classes, ethnicities, races, ability, genders, or sexual orientations. Special attention will also be given the power to voice in literature, in relation to issues of sustainability. This course requires substantial amounts of reading and writing. Prerequisite is ENGL 101. Students earn TC3 college credit with a final grade of C or better.

DESKTOP PUBLISHING - full year course, 1 credit
This course trains students in the art of publication, creative graphic design, photography, and writing for a news source. Yearbook also teaches leadership, public speaking, budgeting in terms of money and time. As a historical document, the yearbook demands this class also stress the importance of accuracy in reporting, design, editing, and ethical use of information. In addition, teamwork is also stressed. Periodic photography outside of class is usually the only outside classwork to do.

MATHEMATICS

ALGEBRA 1 - Full year course, 1 credit
PREREQUISITE: Teacher Recommendation
This course prepares students for the Algebra I Regents in June. The topics covered in Algebra I include but are not limited to relations between quantities and reasoning, statistics, linear and exponential relationships, expressions, equations, and quadratic functions. All topics address the NYS Next Generation Learning Standards. **Students will take the Algebra I Regents in June.**

ALGEBRA 1A– Full Year Course, 1 credit
PREREQUISITE: Teacher Recommendation
This is the first course in a two-year sequence that ultimately prepares students for the Algebra 1 Regents. Students in this course are given an opportunity to learn mathematics at a pace that is more conducive to their learning style. Guided notes, extra practice, and engaging hands-on activities are some of the teaching strategies that are used to help students grasp the concepts in mathematics. Topics covered in Algebra 1A include but are not limited to number systems, operations and properties, operations with algebraic expressions, solving equations and inequalities, ratio and proportion, graphing functions and statistics. A local midterm and final are given. Students who successfully complete Algebra 1A will take Algebra 1B.

ALGEBRA 1B – Full Year Course, 1 credit
PREREQUISITE: Algebra IA
In this sequel to Algebra 1A, students continue to prepare for the Algebra I Regents in June. They will advance their Algebra skills by studying equation solving techniques, graphing and analyzing data, linear and nonlinear functions, operations on algebraic equations, factoring and statistics. **Students will take the Algebra I regents exam in June and will count as the final exam.**

GEOMETRY– Full Year Course, 1 credit
PREREQUISITE: Algebra I or Algebra 1B
Geometry is the second high school math class where students explore shapes, make predictions, and prove their ideas. They learn in different ways—using shapes, movements like flips and turns, and graphs—to understand why things are true. The course focuses on triangles, as well as other shapes like quadrilaterals and circles. Students use tools like a compass, straightedge, and computer programs to help them. The main goal is to show that logic and proof are important parts of math.**Students will take the Geometry Regents Exam in June and a local final exam will be given.**

ALGEBRA II (College Algebra) – Full year course, 1 credit
PREREQUISITE: Geometry
This course covers college algebra between beginning algebra and pre-calculus.Topics include linear, quadratic, absolute value, polynomial, rational, exponential, and logarithmic expressions/equations/functions, function notation, graphing functions, transformations of functions, inverses, complex numbers, and linear, absolute value, and quadratic inequalities. Students can choose to take this course for college credit through TC3 and earn 4 college credits. **Students will take the Algebra II Regents Exam in June and a local final exam will be given.**

PRE-CALCULUS– full year course, 1 credit
PREREQUISITE: Algebra II
This college level course prepares students for the math required for careers in business, science, social sciences, engineering, and education. The topics include review of exponents, polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions, trigonometric identities, law of sines and cosines, conic sections, polar coordinates, sequences, and binomial series. Students will earn 4 college credits through Tompkins County Community College.

PERSONAL MONEY MANAGEMENT - full year course, 1 credit
This college-level course addresses finance at a personal and practical level. Students examine current economic conditions, focusing on how they can impact their personal economic situations. Ethics, personal management of cash, debt, credit, investments, insurance, and home buying are examined. Students will earn 3 college credits through Tompkins County Community College.

WORLD OF TECHNOLOGY - full year course, 1 credit
The World of Technology will provide students with opportunities to become engaged in critical thinking skills as they design and develop solutions to real world problems. Students will incorporate engineering design and problem solving methods, as well as use timely computer programs and applications. Examples include but are not limited to:Google Sheets, Microsoft Excel, LabView, Robo Lab, Garmin MapSource and Google Earth. Daily work may include the use of chromebooks, classroom computers and free applications. Topics of instruction include Spreadsheet, GPS mapping, Geocaching, robotics, surveying, land mapping, contour mapping, structures, trusses, boat hull design and video applications. This commencement level course in technology education may be used as the 3rd unit of credit in mathematics.

SOCIAL STUDIES

GLOBAL STUDIES I - full year course, 1 credit
This is the first year sequence in Global Studies. The material covered is from Prehistory to the Scientific Revolution.

GLOBAL STUDIES II - full year course, 1 credit
This is the second course in the Global Studies sequence. The student will study material from the Scientific Revolution to the present day. Passing the Global Studies regents exam is required for graduation.

UNITED STATES HISTORY AND GOVERNMENT - full year course, 1 credit
The purpose of this course is to provide the student with a well-rounded survey of US History & Government. It begins with the colonial and constitutional foundations of the United States and explores the government structure and functions provided in the Constitution. The development of the nation and the political, social, and economic factors that led to the challenges our nation faced in the Civil War are addressed. Industrialization, urbanization, and the accompanying problems are examined, along with America's emergence as a world power, the two world wars of the 20th century, and the Cold War. Students explore the expansion of the federal government, evolving social beliefs and behaviors, and the nation's place in an increasingly globalized and interconnected world. At the completion of this course, the student will take the NYS Regents Exam in US History and Government that is required for graduation.

COLLEGE US HISTORY AND GOVERNMENT - two half year courses, ½ credit each
HSTY 201 American History I - This course surveys the major historical developments of the United States of America from the pre-Columbian era to the end of Reconstruction in 1877. Special emphasis is placed on reading, interpreting, and discussing primary source documents so students become familiar with the practice of historical research.

HSTY 202 AMERICAN HISTORY II - This course surveys the major historical developments of the United States of America from the end of Reconstruction to the present. Special emphasis is placed on reading, interpreting, and discussing primary source documents so students become familiar with the practice of historical research. Students will take the NYS Regents Exam in US History and Government and are required for graduation.

ECONOMICS - one semester course, ½ credit
The purpose of this course is to provide the student with a well-rounded survey of Economics. "The Economics of Free Enterprise in a Global Economy" examines the principles of the United States free market economy in a global context. Students will examine their individual responsibility for managing their personal finances in a global economy. Students will analyze the role of supply and demand in determining the prices individuals and businesses face in the product and factor markets, and the global nature of these markets. Students will study changes to the workforce in the United States and the role of entrepreneurs in our economy, as well as the impact of globalization. Students will explore the challenges facing the United States free market economy in a global environment and various policy-making opportunities available to the government to address these challenges.

ECON 121 INTRO TO MACROECONOMICS - one semester, ½ credit
PREREQUISITES: Seniors who received a mastery score on the US History Regents, and/or received a 90 or better overall average in US History, or teacher recommendation and completed two upper-level math courses (Geometry and Algebra 2).
An analytical introduction to alternative macroeconomic theories of national output and income determination. Topics include the business cycle, unemployment, inflation, national income accounting, fiscal policy, deficits and debt, monetary policy, the Federal Reserve System, supply-side policy, theory, and reality. This course is expressly designed to serve the needs of students intending to transfer to a four-year institution. ECON 121 fulfills the SUNY General Education Social Sciences requirement.

PARTICIPATION IN GOVERNMENT - one semester course, ½ credit
Participation in Government is an introduction to the analysis of public policy. The course is designed to give students basic research, communication and decision-making skills used in public policy analysis. Participation in Government is divided into ten units. The first six units constitute basic training in essential conceptual, information gathering, and analysis tools. The last four units require students to be conversant on a public policy issue of their choice.

POSC 103 AMERICAN NATIONAL GOVERNMENT- one semester course, ½ credit
Prerequisites: Seniors who received a mastery score on the US History Regents, and/or received a 90 or better overall average in US History, or teacher recommendation.
This course examines the essential foundations and functions of the American political system—the Constitution and the federal system; the executive, legislative and judicial branches of the federal government; the relationship of the federal government to state governments; the electoral process; conflict resolution; function and influence of political parties, interest groups, and the media; development of civil rights; and policy formation.

GEOG 120 WORLD REGIONAL GEOGRAPHY - one semester course, ½ credit
This course analyzes human settlement and modification of the Earth's major regions. It uses a social science perspective to review key aspects of our on-going economic, historical and cultural development in a comparative context. Students earn 3 college credits through TC3 with a C or better average in the course.

THE WEST IN THE WORLD SINCE 1500 - one semester course, ½ credit
This course surveys the major historical developments of world regions from 1500 CE (Common Era) to the modern era. Special emphasis is placed on reading, interpreting, and discussing primary source documents to familiarize students with the practice of historical research.

AMERICAN HISTORY THROUGH FILM - one semester course, ½ credit
Students will view films that depict different times and events in American History and will read supplemental materials to support their understanding of the events, including sections of college-level history books, primary sources, and film reviews. Units of study will include: Native Americans and Colonization, Slavery, the Civil War, Reconstruction, World War II, the Cold War, and the Civil Rights Movement.

WORLD HISTORY THROUGH FILM - one semester course, ½ credit
Students will view films that depict different times and events in world history and will read supplemental materials to support their understanding of the events, including sections of college-level history books, primary sources, and film reviews. Units of study will include: Ancient Greece, Medieval England, World War I, the Holcaust, the Cambodian Genocide, the Rwandan Genocide,and modern Afghanistan.

SCIENCE

EARTH AND SPACE SCIENCES - Full year course (and Laboratory), 1 credit
The Regents Earth and Space Sciences course provides students with an understanding of Earth's dynamic systems and their place in the universe. The course emphasizes hands-on investigations, scientific reasoning, and the integration of crosscutting concepts. Students explore Earth's systems—including the geosphere, hydrosphere, atmosphere, and biosphere—and how they interact to shape the planet. Key topics include plate tectonics, geologic processes, Earth's history, weather and climate, and the impact of human activity on natural systems. The course also covers astronomy, introducing students to celestial objects, the solar system, and the broader universe. Through data analysis, modeling, and evidence-based explanations, students develop a deeper understanding of natural phenomena. This course fosters critical thinking and problem-solving skills while preparing students for the Regents Earth Science examination. It is designed to support students in becoming scientifically literate citizens who can engage with environmental and global issues.

BIOLOGY- Full year course (and Laboratory), 1 credit
This course covers the NYSSLS high school life science standards and gives students an awareness of the natural world, basic scientific concepts, stimulation of inductive reasoning and a basic understanding of biological processes. Topics include (but are not limited to) matter and energy cycling, ecosystems, evolution, and the effects of human influence on these systems. Students will participate in 5 class periods per week and a separate lab period twice a week.

CHEMISTRY - Full year course (and Laboratory), 1 credit
PREREQUISITE: Algebra & Geometry
Chemistry is the study of the structure and behavior of matter. Considerable emphasis is placed on the general periodic relationships of the elements, their atoms, ions and compounds. The course deals primarily with inorganic chemistry, although there is a brief introduction to organic chemistry. Students will meet for 5 class periods per week and a separate lab period twice a week.

PHYSICS - Full year course- Laboratory, 1 credit
PREREQUISITE: Two years of science
This course presents a modern view of physics with a major emphasis placed on the fundamental concepts underlying this branch of science. It is intended for students with an average or above-average ability in math and science. Topics of discussion will include mechanics, waves, and electricity. Students will meet for 5 class periods per week and every other day for the laboratory.

COLLEGE BIOLOGY - Full year course - Laboratory , 1 credit
BIO 111/BIO111X
Students will learn the same concepts and principles covered in a Biology 100 course. Students will further deepen their understanding of the unifying principles of biology presented in the Regents Living Environment course. Students will research topics, complete labs and take part in higher level discussions with the goal of gaining broader understanding of how humans work and how they are connected to the world around them. Themes included in this course include: science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature and science, technology and society.

ENVIRONMENTAL STUDIES - Full year course, 1 credit
Environmental Studies is an elective, student-driven course that builds environmental literacy through the lens of the Butternut Creek and the Chesapeake Bay Watershed. Students will take the lead in choosing the environmental questions they wish to explore, engaging in inquiry-based learning rooted in real-world contexts. The course includes frequent outdoor field experiences and meaningful classroom projects. In the fall and spring, much of the focus will center on managing and operating the MCS greenhouses, as well as conducting hands-on field work in and around Calhoun Creek. This is a highly active, experiential course that can be physically demanding at times. Throughout the year, students will design and carry out action projects that contribute positively to both the school and the broader Morris community. This course is primarily graded on participation, regular attendance and active participation is required.

LANGUAGE OTHER THAN ENGLISH

SPANISH I - Full year course, 1 credit (class is taken in 8th grade)
Spanish I is designed to introduce students to the fundamentals of the Spanish language and develop their proficiency in communication. The major themes covered include personal identification, family and friends, daily routines, hobbies, and Hispanic cultures. Students will learn basic vocabulary, grammar structures, and essential communication skills to express themselves in simple present tense statements and questions. By the end of Spanish I, students are expected to achieve Novice Mid proficiency, being able to understand and produce short, memorized phrases and engage in basic conversations on familiar topics.

SPANISH II- Full year course, 1 credit
PREREQUISITE: Spanish I
Spanish II builds upon the foundation laid in Spanish I, aiming to expand students' vocabulary and grammatical knowledge while focusing on more complex communicative situations. Major themes include travel, food and dining, health and wellness, and celebrations. Students will develop their ability to express opinions, narrate in the past tense, and engage in more extended conversations. By the end of Spanish II, students are expected to achieve Novice High proficiency, demonstrating an increased ability to understand and produce sentences and short paragraphs on a range of familiar topics.

SPANISH III- Full year course, 1 credit (Comprehensive Exam)
PREREQUISITE: Spanish II
Spanish III advances students' language proficiency to the intermediate level, emphasizing more sophisticated language use and cultural understanding. Major themes encompass education, global issues, technology, and careers. Students will enhance their grammar skills, including the use of past, present, and future tenses, and develop the ability to express themselves in more complex sentence structures. They will also engage in discussions, presentations, and interpretive tasks related to authentic cultural materials. By the end of Spanish III, students are expected to achieve Intermediate Low proficiency, demonstrating the ability to sustain conversations, read and understand authentic texts, and write coherent paragraphs on various topics.

SPANISH IV - full year course, 1 credit
PREREQUISITE: Spanish III
This is a college level course with concurrent enrollment through Herkimer Community College. It is equivalent to College Spanish I and II. Spanish IV is designed to further refine students' language skills, fostering high proficiency in all four modalities: listening, speaking, reading, and writing. Major themes explored include literature, social issues, current events, and the arts. Students will engage in in-depth analyses of authentic texts, both literary and informational, and produce well-structured essays,

presentations, and debates. Grammar study will focus on advanced structures and finer nuances of the language. By the end of Spanish IV, students are expected to achieve Intermediate High proficiency, demonstrating the ability to comprehend complex texts, express ideas with clarity and coherence, and engage in spontaneous conversations with fluency and accuracy.

HEALTH AND PHYSICAL EDUCATION HEALTH

The Health Education program at MCS is designed and conducted as an integral part of the total education program. The program gives students knowledge drawn from the fields of psychology, biology, medicine, social science, and environmental science. Students obtain knowledge about personal growth and development and factors which influence individual and societal health status, lifestyles, and behaviors. The program is designed to encourage individuals to become health literate and encourages a commitment to personal health promotion and maintenance. A one-half credit course is required for graduation.

HEALTH - one semester course, ½ credit

This one semester required course encompasses the health education standards from NY State. This course focuses on the application and mastery of developing health-enhancing skills. Health instruction is addressed in a way that allows students to obtain, interpret, and apply basic health information to their daily lives. In order to be health-literate, students are encouraged to become self-directed learners while establishing a basic understanding of health promotion and disease prevention. Topics covered will include taking charge of body systems, the life cycle, sexually transmitted infections, prevention methods, and communicable/non-communicable diseases. The goal of this course is for students to independently learn how to live a happy and healthy lifestyle with a variety of health-related skills.

PHYSICAL EDUCATION (full year course, ½ credit per year)

Regular attendance and satisfactory participation in physical education class are required each semester a student is in school. Students will recognize and develop their own abilities while forming an appreciation for the talents of others.

PE ELECTIVE (seniors) - full year course, ½ credit

This fitness elective is designed to promote physical health, well-being, and an understanding of personal fitness. Students will engage in a variety of activities, including cardiovascular exercises, strength training, and flexibility workouts. The course focuses on improving overall fitness, developing healthy habits, and setting personal fitness goals. Alongside physical activity, students will learn about the benefits of regular exercise, injury prevention, and how to create personalized workout plans. By the end of the course, participants will have a deeper understanding of how to maintain a balanced, healthy lifestyle.

FINE ARTS

To qualify for graduation, all Morris High School students must have completed at least one credit of art and/or music. The courses that may be used to satisfy this requirement are:

- Studio in Art
- Design and Drawing for Production
- Band
- Chorus

VISUAL ARTS

STUDIO ART: A Comprehensive Foundation Course – full year course, 1 credit
Students will learn essential foundational skills for a variety of mediums while exploring different artmaking techniques. Students will learn about how we can continue to apply the elements and principles of art through visual communication and literacy as they begin to develop their own artistic voice through guided projects and reflections. This is the introductory class and should be taken as a prerequisite to Advanced Art.

EXPRESSIVE MEDIA: full year course, 1 credit
PREREQUISITE: Studio Art
In this course students will explore a wide range of art materials and techniques to express personal ideas, emotions, and experiences. From drawing to sculpture and mixed media to experimental materials, students will develop their creative voices and learn how different media can be used to communicate meaning. This course builds on concepts and skills introduced in Studio Art.

PHOTOGRAPHY: full year course, 1 credit a year
A yearlong introduction to the digital camera as an art-making tool designed for students at the beginning level. The course will use photography to help students learn and apply the basic elements of art and the principles of design. Students will explore topics such as portraiture, still life, sports photography, documentary photography, and more. Students will also learn about videography/cinematography during the second half of the course. Studio Art is recommended as a prerequisite but not required.

MUSIC

The Music Department provides an excellent opportunity for students to experience the discipline and creativity within the many varied aspects of music. The Music Department also allows students who excel in music to gain preparation in pursuing a career in the field. Through performance and classroom courses, the student learns the concepts of music which develop creativity and imagination, aesthetic pleasure, and development of finely-honed skills. Through the music program students experience the unique satisfaction of organizing and reorganizing their ideas of exercising value judgments and developing perception and skills.

CHORUS- full year course (every other day), ½ credit
In Senior Chorus students develop all of the skills needed for group choral singing and performance, including vocal techniques, sight singing skills, and singing with both accompaniment and acapella. Songs will be sung in a variety of languages. Students will study proper vocal tone production, rhythmic accuracy, and melodic and rhythmic precision. A variety of literature is studied and performed, along with studies in basic Music Theory and Music History. Students are expected to participate at school concerts and a variety of other performing opportunities throughout the year.

MUSIC THEORY 1 - half year course (1 credit)
This introductory course in music theory is designed for students interested in developing a strong foundation in the fundamentals of music. Students will explore the basic elements of music, including notation, rhythm, scales, key signatures, intervals, chords, and basic harmonic progressions. Through a combination of written exercises, ear training, and performance-based activities, students will develop their ability to read, analyze, and create music. Additional topics may include sight-singing, chord functions, basic composition, and an introduction to musical form. This course is ideal for students preparing for further study in music or looking to enhance their overall musicianship. No prior formal music training is required, but a basic understanding of music notation is helpful.

MUSIC APPRECIATION - half year course, ½ credit
This course is designed to help students develop their understanding of music as a language of human expression. The melodic, rhythmic, harmonic form, and historical significance of selected pieces are examined. Students are introduced to a wide variety of music from primitive to modern times and develop the skill to recognize patterns, forms, and styles found in music.

PSYCHOLOGY OF MUSIC - half year course, ½ credit
This elective course will cover topics such as what happens in our brains when we hear music, music and emotion triggers, music and memory, music and identity, why music enhances performance (athletic and academic).

BAND - full year course (every other day), ½ credit
High School Band is a dynamic and integral part of the school and community, offering students opportunities to grow as musicians and individuals. The program is centered on teamwork, discipline, and a shared passion for music, fostering a welcoming environment for students of all skill levels. Students who participate in band will focus on classical and contemporary wind band literature, including woodwinds, brass, and percussion. Students learn technical skills, musicality, and ensemble performance techniques. Students are expected to own their instrument at this level, as well as participate in school concerts as well as a variety of other performing opportunities throughout the year.

TECHNOLOGY

DESIGN AND DRAWING FOR PRODUCTION– full year course, 1 credit
Designing is a process used to plan and produce a desired result. Designing is necessary to solve problems in order to satisfy the needs of society for the purpose of solving a problem. This course will utilize a combination of problem solving, creative design techniques, and a process called informed design. This course will provide students with a better understanding of the concepts and vocabulary related to the fields of design, engineering, and production. Through the use of computer-aided design, basic sketching, and the willingness to be creative, students will research, design, and develop products to solve problems. Every day we are faced with problems that require solutions, students that take this course will be part of the solution. This course can be taken for 2 college credits through TC3.

WORLD OF TECHNOLOGY - full year course, 1 credit
The World of Technology will provide students with opportunities to become engaged in critical thinking skills as they design and develop solutions to real world problems. Students will incorporate engineering design and problem solving methods, as well as use timely computer programs and applications. Examples include but not limited to Google Sheets, Microsoft Excel, Lab view, Robo Lab, Garmin MapSource and Google Earth. Daily work may include the use of Chromebooks classroom computers and Free Applications. Topics of instruction include Spreadsheet, GPS mapping, Geocaching, robotics, surveying, land mapping, contour mapping, structures, trusses, boat hull design and video applications. This commencement level course in technology education may be used as the 3rd unit of credit in mathematics.

COMPUTER APPLICATIONS - half year course, ½ credit
Computer Applications is an ever-changing course. We will include sections on word processing, spreadsheets, databases, presentation programs, and graphing. We will also cover using Chromium effectively, the Internet, e-mail, Internet safety, and keeping your computer free of spyware, etc. This course will give you the ability to use a computer more effectively in completing your assignments and projects for other classes.

INTRODUCTION TO WOOD TECHNOLOGY- full year course, 1 credit
This course is designed to expose students to all aspects of woodworking in a shop setting. Students will learn aspects of a variety of applied technologies including Manufacturing, Print Reading/Design, Precisions Measurement, Wood identification and Joinery. Students will use a variety of machines and hand tools to produce projects.

POWER MECHANICS - full year course, 1 credit
This course provides students in grades 9-12 with an opportunity to learn mechanical repair and restoration skills. Students will explore three main units as well as general shop safety. The main units will be automotive, powersports (4 wheelers, dirt bikes, snow mobiles, lawn mowers, snowblowers, etc.) and agricultural equipment repair and restoration. This course will examine the basic operating principles of tools and routine service procedures of the automobile, small engines and agricultural equipment. Students will complete theoretical as well as practical work on engine assembly, basic ignition, charging, fuel delivery, tires, electrical, lubrication, cooling and starting systems. More advanced students who wish to take the course for a second year will dive deeper into these systems.

BOCES CAREER AND TECHNICAL EDUCATION

These courses are offered at the Otsego Area Occupational Center (BOCES). They are open to juniors and seniors.
PREREQUISITE: Must have a minimum of 11 high school credits with all freshman and sophomore year credits fulfilled (including Health) in order to attend the BOCES program

AUTOMOTIVE SERVICE CENTER TECHNICIAN
Be prepared for an entry level position in the automotive repair industry by enrolling in this two-year program. Students train to diagnose and repair computer, electrical, and mechanical failures using the latest equipment and procedures. The theory of automotive systems is explored through classroom instruction giving the student a working knowledge of today's ever-changing technologically advanced automobiles. This program also prepares students for further study in college.

BUILDING TRADES
Learn the facets of the Building Trades in this two-year program. Gain a basic knowledge of tools, methods, and materials used in the building industry. Emphasis is placed on construction theory, blueprint reading and related math. Shop activities include construction of masonry, house framing, electrical wiring, and plumbing for bathrooms and kitchens, kitchen cabinet construction, and ceramic tile. Students who satisfactorily complete this course will be prepared for entry level positions.

COSMETOLOGY
A two-year, 1000 hour, licensed program of training in theory and practical skills. Major areas of instruction include: skin, scalp, hair cutting, styling, and coloring, permanent waving, manicuring, and facials. The list of career opportunities is endless. The beauty industry continues to grow to satisfy the vivid imagination and abilities of the artist. Students must attend BOCES in the summer before their junior and senior years to fulfill their program hours.

CULINARY ARTS
In this is a two-year program students learn the skills necessary for entry level jobs in the food service industry. Through lectures and demonstrations, students learn all aspects of the hospitality industry from desserts, bake shops, and entrees, to front-of-the-house production. Included as part of this program is running the entire operation of a local restaurant for a five-week period plus catering several public functions. This course of study combines "hands-on" experiences and related theory to prepare students for post-secondary education or employment.

HEALTH OCCUPATIONS
Health Occupations is an excellent program for students who wish to explore exciting careers in the ever demanding healthcare field. A strong knowledge base on how humans grow, learn and develop, beginning with conception and progressing through the development life cycle. Classroom theory receives strong support by application of knowledge learned in the nursing lab and in clinical settings. FOCUS Rehabilitation, Woodside Hall and Bassett Medical Center are program partners that provide professional clinical experiences for our students.This program is designed so that students may take the NYS Home Health Aide Certification exam.

INFORMATION TECHNOLOGY
This two-year program gives students the training and experiences to learn information management procedures and systems operations. Students will develop the skills related to the latest information processing tools and functions. They perform tasks that implement tools used for the management and storage of data and the processing of information. College credits for work completed are available through agreements between OAOC and local colleges, and can be transferred to college upon OAOC graduation. Students receive hands-on skills and acquire worker traits that determine success, and help prepare them for future employment.

MECHATRONICS
Robotics deals with the design, construction, operation, and application of robots. Mechatronics is a technology that combines electronics and mechanical engineering. Robotics/Mechatronics at ONC BOCES will be an interdisciplinary program focused on mechanics, electronics, motor control systems, and automation, which drive the design, operation and maintenance of all modern complex machinery. This comprehensive program has direct implications for the regional economy, as several area manufacturing firms and food-production facilities rely on mechatronics, but sometimes struggle to fill positions. The program is intended to help plug the middle skills gap and launch our students on a rewarding career path.

NATURAL RESOURCE OCCUPATIONS
This is a two-year program with emphasis on heavy equipment operation and maintenance, forestry, soil conservation, and outdoor recreation. Students become involved with forest and woodlot improvement, operation of chainsaws, bulldozers, backhoes, and other equipment. Skidding, road building, water and drainage systems are all incorporated in this program which uses both the outdoors and the classroom for learning.

VISUAL ARTS MEDIA TECHNOLOGY
Students with interests in Art and graphic design may attend this program. Visual Arts Media students work in a variety of art mediums including animation, Claymation, fine art, design, website design, and computer graphics. Seniors engage in internships with designers and artists in their area of interest.

WELDING
This is a one or two year program which provides basic preparation in welding theory and principles, including the use of welding equipment, tools, materials, and operation. Approximately 15% of the course time is spent on book and classroom study, while 85% of the course time is spent developing "hands on" welding and fabricating skills. Students will learn techniques and procedures required to gain entry level employment in the welding of steels, stainless steels, aluminum, and blueprint reading.

SENIOR YEAR ONLY PROGRAMS

NEW VISIONS HEALTH CARE PROFESSIONS
Students in the New Visions Health Professions Program spend their senior year at Bassett Hospital in Cooperstown. They work side by side with doctors, therapists, technicians and nurses as they explore career options. In addition, students study English 12, Economics, Participation in Government, Physics and Human Anatomy and Physiology.

NEW VISIONS ENGINEERING
The New Visions Engineering program is designed for college bound seniors who wish to pursue a career in the field of engineering and science. Instruction will be at a collegiate level. In addition, the program offers college credit Calculus, Physics and Engineering Exploration with a project based curriculum. The program is held at BOCES in Milford.

NEW VISIONS EDUCATION
The New Visions Education program is a unique opportunity for motivated high school seniors who are curious about teaching, learning and helping others succeed. This immersive experience allies students to earn 18 transferable college credits while gaining real-world exposure to careers in education and student support services. This is an all-day program at Milford Central School.

DISTANCE LEARNING OPPORTUNITIES

COLLEGE INTRODUCTION TO PSYCHOLOGY– one semester, ½ credit (3 college credits through HVCC, tuition cost is $74/credit plus fees)
This is a half year three college credit course available to juniors and seniors. The content area reflects basic psychological foundations and current information regarding social science of psychology. Students will be exploring the various personality theories. Students will also examine the concept of deviant and abnormal psychology. This course is offered for 3 college credits from Hudson Valley Community College.

COLLEGE SOCIOLOGY - one semester course, ½ credit (3 college credits through HVCC, tuition cost is $74/credit plus fees)
The major emphasis of the course is to examine the processes by which the self and society are constructed and sustained through the interactions of human beings with one another. Several formats will be used to examine this process. These include student field projects and presentations, electronic mail usage, electronic database searching and paper writing, introspective essays and class interviewing, qualitative database analysis and analysis of contemporary scholarly journals. The guiding principle is to give the student experience in a variety of skills and procedures used by sociologists in the conduct of their work. This course is recommended for junior and senior students.

CRIMINAL LAW - one semester course, ½ credit (3 college credits through HVCC, tuition cost is $74/credit plus fees)

This course provides a general introduction to the subject of criminal justice in the United States. Among other topics, the course examines the history of our criminal justice system; the political, social, and cultural forces that shape crime definitions and society's responses; and measurement of crime statistics. The course is divided into four sections: the nature of crime; police and law enforcement; the judiciary system; and corrections**.**