

Program of Studies 2026-2027



Waterville Junior-Senior High School

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Table of Contents

Message from the Principal.....	2
Middle School Requirements.....	3
Graduation Requirements.....	8
Agricultural Science.....	9
Art.....	11
English.....	12
Family & Consumer Science.....	14
Mathematics.....	16
Music.....	18
Physical Education and Health.....	19
Science.....	19
Social Studies.....	22
Technology.....	24
World Languages.....	25
BOCES Career & Technical Education (CTE).....	28
BOCES New Visions (Seniors Only).....	33
Special Education Program.....	34
Five-credit Sequence Options.....	35
Grade 9 Course Registration Guide for 2026-2027.....	36
Grade 10 Course Registration Guide for 2026-2027.....	37
Grade 11 Course Registration Guide for 2026-2027.....	39
Grade 12 Course Registration Guide for 2026-2027.....	41
Waterville Clubs and Activities.....	43

Message from the Principal

Waterville Jr./Sr. High School is excited to present this Program of Studies as a valuable resource for students and families to guide their educational planning. During the spring semester, our counselors will be connecting with students to select courses and develop personalized academic plans for the upcoming school year. We encourage parents and guardians to actively engage in this process and if you have questions, please reach out to the appropriate school counselor.

This Program of Studies also provides students with a detailed overview of the academic opportunities, clubs, and activities available to them. In addition, we've designed support programs to ensure all students thrive in their educational journey.

Counselors will review graduation requirements with students, helping them connect their course selections to their interests and potential career paths. All students in grades 9-12 are required to enroll in at least 5.5 credits unless there are extenuating circumstances.

At Waterville Jr./Sr. High School, our dedicated faculty and staff are committed to supporting students academically, socially, and emotionally, empowering them to achieve their full potential. Together, we will continue to provide exceptional curricular and cocurricular opportunities that enhance the student experience.

We look forward to collaborating with our students and families as we uphold Waterville's tradition of excellence in education. As outlined in our mission, Waterville CSD, in partnership with students, staff, families and the community, is dedicated to educating the whole-child for personalized success. Let's continue imagining, designing, and creating the best futures together.

Andre Paradis

Jr./Sr. High School Principal

Middle School Requirements

Students in 7th and 8th grade have courses they need to complete as part of the New York State Middle School requirements. Waterville has students meet those requirements as listed below with course descriptions following the chart.

7 th Grade Course Requirements	8 th Grade Course Requirements
· Agriculture and Your World · English 7 · Health 7 · Math 7 · Music 7 OR a music ensemble (Band 7/8 or Chorus 7/8) · PE 7/8 · Science 7 · Social Studies · Intro. to Spanish · Technology 7	· Art 8 · FACS 8 · English 8 or English 8H · Math 8 or Algebra 1 · Options: Band 7/8 Chorus 7/8 · PE 7/8 · Science 8 or Biology · Social Studies 8 or Social Studies 8H · Spanish 1

AGRICULTURE AND YOUR WORLD

The purpose of “Agriculture and Your World” is to introduce 7th Grade students to agriculture, technology, food and natural resources. Students will explore the range of career opportunities and pathways of study available for their future. They will learn through exploration, hands-on activities, problems, and projects. Students will also have the opportunity to join Junior High FFA and participate in leadership development experiences.

ALGEBRA 1 (Credit: 1.0)

This is a high school credit bearing class that high achieving 8th grade students can take, based on teacher recommendation. The final course grade and Regents Exam will be on a students’ transcript. In this course students will formalize and extend the mathematics that students learned in the middle grades. This course will be based on the Next Generation Learning Standards for Algebra I. Algebra I is the first mathematics course in high school and the focal point is functions; specifically linear, quadratic, and exponential functions. Students will take the New York State Regents Examination in Algebra I (Next Generation).

ART 8

Art 8 is a required course for graduation. It is an introductory art course to be taken during one semester of the 8th grade year. Students will begin exploring the elements of art and principles of design while creating projects reflecting the techniques and insights of notable artists in history. It is designed to enable each student to experience aesthetic growth through creative problem solving, enhancement of expressive potential, and the development of critical judgment. Organized into three modules: Space and Structure, Movement and Color, and Light, the course introduces basic drawing techniques, principles of two and three dimensional design and art appreciation.

BAND 7/8

Available to those enrolled in grade 7 or 8. Band rehearses every other day to prepare for winter and spring concerts. Half hour weekly lessons are mandatory to work on individual needs on a student's instrument. Attendance at the winter, spring, and Sherburne concerts are required.

CHORUS 7/8

This group is open to any student in 7th or 8th grade; no audition is required. This course is scheduled every other day. Two mandatory concerts are scheduled: one in the winter and one in the spring. Students will sing a variety of repertoire from multiple cultures, genres, and time periods in 2-4 parts.

ENGLISH 7

Students in English 7 will build their literacy skills through the study of classic literature, contemporary works, and nonfiction texts. Students will read to analyze works both critically and creatively, and they will practice various reading comprehension strategies. Seventh grade readers will be able to articulate how authors' choices contribute to the central ideas in a work.

Students will write in a variety of modes including narrative, informative, persuasive, reflective, and descriptive. The writing process will be modeled and followed for each work: brainstorming, outlining, drafting, proofreading, editing, and revising for a final copy. This course emphasizes developing an understanding of grammar, sentence structures, and academic vocabulary to become proficient in the craft of writing. Students will hone their interpersonal communication skills through collaboration and presentations. Students who perform well in this course will be encouraged to enroll in English 8 Honors.

ENGLISH 8

This course is designed to prepare students for the demands of high school English. English 8 focuses on a study of all areas of literacy: reading, writing, listening, and speaking. Students will study novels, drama, short stories, poetry, and nonfiction texts. Students will think critically to develop analytical thinking, utilize the writing process to create essays of all modes, and practice reading strategies to enhance comprehension. The research process will be introduced and practiced along with discussions regarding media literacy and source credibility. Students will develop a greater awareness of language, grammar, conventions, syntax, and vocabulary. They will also understand how choices in language impact writers' purposes.

ENGLISH 8H

This course is designed to prepare students for the rigors of the high school English honors program. Students who enroll in this course should have strong reading and writing skills combined with an enthusiasm for learning. The curriculum concentrates on gaining familiarity with high school and college-level standards. The skills taught in this honors course will be more challenging than in English 8, with instruction proceeding at an accelerated pace and an expectation of nightly reading assignments. Honors students will develop their awareness of language, grammar, and mechanics, and they will sharpen skills in critical reading and effective writing. Students will engage in informed, reflective, and positive discussions with maturity and respect.

FAMILY AND CONSUMER SCIENCE (FACS)

Eighth Grade FACS is a 20 week course that provides students with an introduction to the Family and Consumer Sciences related classes. Students will acquire fundamental knowledge of basic life skills.

In this course, students will experience a variety of activities that will promote self awareness, leadership, and development of skills needed to achieve personal goals relating to family, home, career, and community.

HEALTH 7

The goal of the Waterville 7th grade Health Course is to empower students to develop knowledge, skills, and a positive attitude so that they may develop and maintain lifelong health and wellness and become contributing members to society. This course will include topics that adhere to the New York State Health Education Standards.

INTRO to SPANISH

Students in 7th grade will start learning how to speak, read, and write in Spanish. They will also learn about the culture and lifestyles of Spanish-speaking peoples.

LIFE SCIENCE: BIOLOGY (Credit: 1.0)

This is a high school credit bearing class that high achieving 8th grade students can take, based on teacher recommendation. The final course grade and Regents Exam will be on a students' transcript. This is the Regents level course for Life Science: Biology. The following topics are covered: Similarities and Differences Among Living Organisms, Homeostasis in Organisms, Genetic Continuity, Reproduction and Development, Evolution, Ecology, Human Impact on Ecosystems, Scientific Inquiry and Skills, and Laboratory Skills with an emphasis on microscope and cell study. Heavy emphasis is placed on lab experiences. Students attend six classes and three laboratory periods per six-day cycle. To qualify to sit for the Regents exam, a student must participate in 1200 lab minutes, submit acceptable reports, and demonstrate preidentified laboratory skills, as per state requirements. This course meets everyday plus a lab every other day.

MATH 7

In this course students expand their study of ratios, rates, proportional relationships, and percentages. Connections are made between fractions, decimals, and percentages as a way to measure portions of the whole. Students learn to operate with negative numbers and understand why the operations work as they do. Students increase their knowledge of algebra by modeling situations with two-step linear equations and linear inequalities. Students extend their ability to answer statistical questions by using quartiles and box plots to compare samples. Students understand how to use a variety of models, such as tree diagrams, to analyze compound probability problems. Finally, students explore the geometry of angles and triangles. This course is aligned to the New York State Next Generation Mathematics Learning Standards.

MATH 8

Students will: (1) formulate and reason about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasp the concept of a function and use functions to describe quantitative relationships; (3) analyze two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understand and apply the Pythagorean Theorem.

MUSIC 7

This course is offered to all 7th grade students. This class meets for 20 weeks and topics covered include (but are not limited to): music theory, music history, musical theatre, and pop music. Throughout these topics, students will compose, listen, reflect, analyze, and respond.

PE 7/8

The goals of the Physical Education Program are to: promote lifelong physical fitness, gain knowledge of rules and strategies, offer opportunities for leadership and social interaction, and to develop life skills. This course will include both team, individual and lifelong activities as well as provide skills for finding personal enjoyment and opportunities to remain active after students leave the K-12 setting.

SCIENCE 7

The 7th grade science curriculum covers science and engineering practices, crosscutting concepts, and disciplinary core ideas in the physical sciences as outlined by the Next Generation Science learning standards. Students will study matter and its interactions, motion and stability, forces and interactions, energy, Earth's place in the universe, waves and their applications, and Earth systems. The course will also introduce some concepts in biology.

SCIENCE 8

The 8th grade science curriculum covers science and engineering practices, crosscutting concepts, and disciplinary core ideas in the biological sciences as outlined by the Next Generation Science learning standards. Students will study molecules and organisms, heredity, ecosystems, biological evolution, and Earth and human activity.

SOCIAL STUDIES 7

Social Studies 7 begins by building the foundational skills of geography, primary and secondary source identification and evaluation as well as online source evaluation. Content spans from North America pre-Columbian contact through the Civil War. Students work on becoming effective communicators through class discussions and have opportunities to develop reading, writing, and critical thinking skills. Time is also spent on current events and how these events connect to what they are learning about past events in the United States.

SOCIAL STUDIES 8

Social Studies 8 begins by building the foundational skills of geography, primary and secondary source identification and evaluation as well as online source evaluation. Content spans from Reconstruction through Current Events. Students work on becoming effective communicators through class discussions and have opportunities to develop reading, writing, and critical thinking skills. Time is also spent on current events and how these events connect to what they are learning about past events in the United States.

SOCIAL STUDIES 8H

Social Studies 8 Honors content spans from Reconstruction through Current Events. Students will learn to develop essays using resources and documents and will also engage in class discussion that will help to strengthen their critical thinking skills. Students work on becoming effective communicators through class discussions and have opportunities to develop reading, writing, and critical thinking

skills. There is also time spent working on further developing their skills in writing concise Enduring Issue essays which will help them gain ground before starting Regents classes in 9th grade.

SPANISH 1 Credit: 1.0

The student learns to understand, speak, read and write simple, everyday sentences on a variety of topics, fulfilling the functions and proficiencies of Checkpoint A of the New York State Syllabus.

Additionally students learn and master basic grammar structures to acquire a proficiency in oral and written Spanish, stressing communication skills. The student learns to appreciate and open their minds to the culture and lifestyles of Spanish-speaking peoples.

TECHNOLOGY 7

The student will be involved with the selection and planning of small projects. Hand tools and basic machines will be used to learn how to construct, assemble and finish a project. Content areas included are Woodworking, Ceramics, Industrial Robotics, and Model Rocketry.

Graduation Requirements

<https://www.nysed.gov/standards-instruction/graduation-requirements>

	Regents Diploma with Advanced Designation	Regents Diploma	Local Diploma only for students identified through the Committee on Special Education
English	4 CREDITS ELA Regents	4 CREDITS ELA Regents	4 CREDITS ELA Regents*
Social Studies	4 CREDITS Global History Regents *** US History Regents ***	4 CREDITS Global History Regents *** US History Regents ***	4 CREDITS Global History Regents * US History Regents *
Math	3 CREDITS Algebra 1 Regents Geometry Regents Algebra Regents	3 CREDITS Algebra 1 Regents	3 CREDITS Algebra 1 Regents *
Science	3 CREDITS 2 Regents Exams 1 Physical Science 1 Life Science	3 CREDITS 1 Regents Exam 1 Physical Science 1 Life Science	3 CREDITS 1 Regents Exam * 1 Physical Science 1 Life Science
World Language	3 CREDITS in one World Language ** Check Point B Exam	1 CREDIT	1 CREDIT
Art/Music	1 CREDIT	1 CREDIT	1 CREDIT
Health	0.5 CREDIT	0.5 CREDIT	0.5 CREDIT
Physical Education	2 CREDITS	2 CREDITS	2 CREDITS
Electives	1.5 CREDIT	3.5 CREDITS	3.5 CREDITS
Total Credits	22	22	22

* For students with disabilities a score of 45-55 on a required Regents exam (EXCEPT ELA and Math) can be compensated by a score of 65+ on another required Regents exam. Students must achieve a score of 55+ on the ELA and Math Regents exams.

** Students may substitute a 5-unit sequence in Art or Music for this requirement, in which case they will still need to earn a minimum 1 unit of credit in a foreign language. Please see your counselor if interested in pursuing this option.

*** Starting in January 2015 students may use *Pathways to Graduation*. NYS Education Department has developed *Pathway* options in the areas of: Arts, CDOS, CTE, Humanities, LOTE, and STEM. Should a student need to graduate using a *Pathway*, his/her counselor will work with the student to develop the appropriate plan for graduation.

The most up-to-date information regarding Regents Exam Appeals can be found at:

<https://www.nysed.gov/standards-instruction/appeals-safety-nets-and-superintendent-determination>

Agricultural Science

NYSED APPROVED CTE PROGRAM

(Students who complete a recommended sequence and pass a “Precision Exam in Agriculture” can also receive the following integrated credits: 1.0 English 12, 0.5 Economics, and 1.0 Science.)

GRADUATION REQUIREMENTS

Several of the Agricultural courses can be used to meet NYS High School graduation requirements in Economics, Government, Science, and used for elective credits. Students can earn a 5-credit sequence in Agriculture, Art, FACS, or Technology in place of the 3-credit World Language requirement for the Advanced Regents Diploma (see options on page 35).

AGRICULTURE ECONOMICS (MSC AGBS 110) (Credit: 0.5)

The purpose of “Agricultural Economics” is to engage students in the exploration of the agriculture and food industry while introducing them to the basic principles of economics, business, and finance. Agricultural Economics is an introductory survey course that presents the basic theories and concepts of economic thought. Conforming to the New York State Curriculum in Economics, students will learn how the market functions, the laws governing the behaviors of consumers and suppliers in the marketplace, economic history and thought, fiscal policy, monetary policy, personal finance, and more. Experiences to develop career paths and improve employability skills will be woven throughout the course. Students will also have the opportunity to develop an SAE (supervised agricultural experience) and leadership skills by joining FFA. This course is a dual-credit course through SUNY Morrisville

ANIMAL SCIENCE (MSC ANSC 100) (Credit: 1.0)

The purpose of “Animal Science” is to engage students in the exploration of animal science and related industries. Students will explore the range of career opportunities and pathways of study available for their future. They will learn through exploration, hands-on activities, problems and projects. Students will also have the opportunity to join FFA. Units include: Animal Industries, Animal Behavior, Animal Welfare, Safety & Biosecurity, Anatomy & Physiology, Feeding & Nutrition, Reproduction & Genetics, Large Animals, Companion Animals, Exotic Animals and Biotechnology in the Animal Industry. **Prerequisite:** Biology/Living Environment is recommended. This course can fulfill one science credit requirement and is a dual-credit course through SUNY Morrisville. This course is offered on a rotating basis and will be offered in 2026-2027.

INTRODUCTION to AG/FOOD/NATURAL RESOURCES (AFNR) (Credit: 1.0)

The purpose of “Principles of Agriculture, Food & Natural Resources (AFNR)” is to introduce students to the range of agricultural career opportunities and pathways of study they may pursue. Students will learn through exploration, hands-on activities, problems and projects. Experiences to develop career paths and to improve employability skills of students will be woven throughout the course. Enrollment in AFNR will also give students the opportunity to join FFA and to develop their potential for leadership & growth. Topics include Introduction to Agriculture, Career Planning, Leadership through FFA, Agriculture & Workplace Safety, Importance of Food, Animal Production Systems, Environmental Systems, Natural Resources, Agricultural Engineering & Technology and Plant Production Systems.

INTRODUCTION TO VETERINARY SCIENCE (Credit: 1.0)

Veterinary science covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. The target population is career preparatory students desiring to continue their education after high school or to enter the workforce after graduation from high school. College preparatory students benefit from the course as an elective if they plan to enter college and pursue a degree to enter the veterinary profession. This course allows students entering the workforce after graduation from high school to develop entry-level skills to become employed and to continue their education on the job. Students experience career exploration and leadership development through FFA. **Prerequisite:** Biology/Living Environment is recommended. This course can fulfill one science credit requirement. Note: This course is based upon the secondary school Veterinary Science Curriculum released by Cornell University. This course is offered on a rotating basis and will be offered in 2027-2028.

NATURAL RESOURCES & CONSERVATION (TC3 ENVS101/102) (Credit: 1.0)

Natural Resources and Conservation helps students understand the relationships between natural resources and the environment. Topics include energy and nutrient cycles, water resources and management, soil conservation, wildlife preservation and management, forest and fire management, lumber production, the outdoor recreation industry and multiple use management. Career exploration, communication skills and leadership development will be woven throughout the course. Students have the opportunity to join FFA and participate in various contests. This course can fulfill one science credit requirement and is a dual-credit course with Tompkins Cortland Community College (TC3). This course is offered on a rotating basis and will be offered in 2026-2027.

PLANT SCIENCE (MSC HORT 210) (Credit: 1.0)

The Introduction to Horticulture course prepares students for careers in the nursery, landscaping, vegetable crop and floral industries. This course exposes students to the art and science of growing plants, flowers, herbs, fruits and vegetables. A wide variety of topics are covered including: plant science, greenhouse and nursery operations, soil science and media mixtures, houseplant, flower, herb and vegetable production and weed and pest control. Basic business management and marketing along with workplace safety will be interspersed throughout the course as well. Students will have the opportunity to join FFA and to participate in a Supervised Agriculture Experience. This course can fulfill one science credit requirement and is a dual-credit course through SUNY Morrisville. This course is offered on a rotating basis and will be offered in 2027-2028.

RURAL ISSUES & GOVERNMENT (Credit: 0.5)

Rural Issues & Government aims to provide students with opportunities to become engaged in the political process by acquiring the knowledge and practicing the skills necessary for active citizenship. Rural Issues and Government is an introduction to the basic concepts of the American political process and the rights and responsibilities of citizenship. It will build upon an agricultural economics base with content regarding resource use, planning, public policy, environmental economics, and political science. It will prepare students to be active participants in local government and to make informed decisions. Topics will also include rural job creation, labor markets, growth/agriculture conflicts, and land use management. (A final project including six hours of community service is required.) Students will have the opportunity to participate in the FFA Ag Issues Contest and/or the Youth Institute at Cornell University.

Art

GRADUATION REQUIREMENTS

All students must earn a total of 1.0 credit in Art and/or Music. Students may also fulfill this graduation requirement by completing Drawing & Design For Production (MVCC MT 140). Students can earn a 5-credit sequence in Agriculture, Art, FACS, or Technology in place of the 3-credit World Language requirement for the Advanced Regents Diploma (see options on page 35).

STUDIO IN ART (Credit: 1.0)

Studio In Art is designed as a foundation for students in grades 9-12 who are going to continue as art majors, and for those students who have an interest in the visual arts. In this course, students will learn about various careers in the field of art. Students will explore different art techniques and methods in which art is used in the making of the world we live in. Each project will emphasize the learning and understanding of The Elements of Art, and The Principles of Design. This course is designed not only for those who plan to take further courses in art, but for those desiring a broad general background in the visual arts.

CERAMICS & SCULPTURE (Credit: 0.5)

This course provides students with opportunities to explore the properties of clay and methods of decorating pottery. Students will examine various hand building techniques for clay and investigate various types of three dimensional art media, including plaster, wood, paper, wire, and other materials. Students will examine and explore the sculpture works of artists throughout history. **Prerequisite:** Studio in Art.

DIGITAL PHOTOGRAPHY (Credit: 0.5)

Students will explore varying aspects of digital photography and the different fields and techniques it will be used in. Projects will relate to topics from journalism, advertising and social media. Students will be responsible for coming up with original ideas related to the project prompt to then photograph and transform into art. Students will be able to use Canva, Adobe Photoshop, Adobe Illustrator and Adobe Lightroom to edit their own work. The practical and technical aspects of taking great photography are combined with an introduction to the elements of art and principles of design, with an eye towards taking great photos. Students work through a series of tutorials in Photoshop to learn the basics of digital imaging. Skills and techniques are then applied to their own images. Having a digital camera is very useful; however, those who do not own a camera, can arrange to sign out a camera that is shared with others needing equipment. **Prerequisite:** Studio in Art.

DRAWING & PAINTING (Credit: 1.0)

Students will explore a variety of painting and drawing techniques and mediums and explore a deeper understanding of color theory, while reviewing artists with a focus on history dating from the 19th century to the present. Design and composition are taught through both representational and abstract art. As drawing is a basis of most other art forms, students are encouraged to take this as their second art course, typically in their sophomore year. **Prerequisite:** Studio in Art.

VISUAL COMMUNICATION (MVCC MD161) (Credit: 1.0)

This course introduces students to the fundamental principles of creativity with an emphasis on understanding historically significant art styles. Students explore various types of visual expression

and apply creative problem-solving principles to both two-dimensional and three-dimensional projects in a variety of media. Students are introduced to the masters, practices, and careers of painting, sculpture, graphic arts, graphic design, animation, film, digital media, illustration, and photography. This course is a dual-credit course through MVCC. **Prerequisite:** Studio in Art and 1 additional Art course. Offered on a rotating basis and will be offered in 2027-2028.

English

GRADUATION REQUIREMENTS

Students are required to successfully complete **4 credits in English** and the **English (ELA) Regents Exam** in order to graduate.

ENGLISH 9 (Credit: 1.0)

The ninth grade English curriculum concentrates particularly on the language skills of writing and reading through the study of literature. Listening and speaking skills are also addressed. All coursework is aligned with New York State Standards in English Language Arts for ninth and tenth graders. The course makes use of a variety of texts to develop these skills including major works, short stories, non-fiction texts, and poetry. All of these are utilized to improve reading skills, develop understanding of literary techniques, and also as a basis for many of the writing tasks required of students. The study of grammar is also addressed in the writing program, while vocabulary skills are also developed through the reading curriculum. Research and documentation skills are presented in accordance with MLA Documentation Style.

ENGLISH 9H (Credit: 1.0)

The ninth grade Honors program emphasizes many of the same skills stressed in the regular ninth grade curriculum, but they are addressed at a greater depth and with a higher level of expectation. Just as in the regular ninth grade curriculum, all coursework is aligned with New York State Standards in English Language Arts for ninth and tenth graders. Therefore, the ninth grade Honors English curriculum has as its focus the development of language skills with a primary emphasis on writing and reading through the study of literature. Listening and speaking skills are also addressed. The course makes use of a variety of texts to develop these skills including major works, short stories, non-fiction texts, and poetry. These texts are utilized to increase reading skills, develop understanding of literary techniques, improve vocabulary, and also as a basis for many of the writing tasks required of students. The study of grammar is also addressed in the writing program. Research and documentation skills are presented in accordance with MLA Documentation Style. The Honors course may also include the study of a separate novel and/or an independent reading requirement. Writing requirements are increased at the Honors level both with regard to the amount of writing expected and the level of depth pursued.

ENGLISH 10 (Credit: 1.0)

English 10 asks students to react and connect personally to several classics. Coursework includes creative, expository, and research-based writing in MLA format. Students also complete a major literature-based project and presentation designed around world literature. The Library Media

Specialist will assist in the project. Written assessments throughout the course emulate those found on the Regents Comprehensive Exam in English as well as the Global History Regents.

ENGLISH 10H (Credit: 1.0)

English 10H asks students to react and connect personally to several different texts. Study includes frequent writing pieces to analyze the literature at hand, often focusing on literary elements and devices that are tracked through the course of a text. In addition, students will be writing several argumentative essays in MLA format, writing reflections, composing creative writing responses, participating in group work, small and large class discussions, and giving presentations to the class. Written assessments throughout the course correspond with different reading strategies and writing tasks that will later be found on the Regents Comprehensive Exam in English, which all students will take at the end of the course.

ENGLISH 11 (Credit: 1.0)

The course consists of the study of a variety of literature including classic and contemporary American literature. Students engage in daily tasks to sharpen their reading and writing skills and work together to analyze literary elements and the author's purpose behind a piece of writing. Study includes writing several argumentative essays, a researched persuasive essay in MLA format, writing reflections, composing creative writing responses, group work, small and large class discussions, giving presentations to the class, and taking the Regents Comprehensive Exam in English in January.

AP ENGLISH LANGUAGE AND COMPOSITION (Credit: 1.0)

The course provides students with a learning experience similar to that of an undergraduate-level argumentative writing course. Through close reading of nonfiction texts, students will come to understand how writers hone their craft and create compelling arguments. Students will determine the qualities of great writing as well as recognize how to become great writers themselves. Mastery of argumentative writing and analysis is essential. In addition to writing a variety of essays, students will periodically be asked to engage in thinking about their writing and to analyze their progress as they strive to achieve mastery of form and an authoritative voice. The course offers an in-depth study of the author's voice, rhetorical strategies, persuasive writing, and nonfiction writing. Works explored in this class will be of strong merit. Students will also conduct a research-based term paper. Students electing to enroll in AP English must read and write avidly. They must be willing to take on extra reading and writing assignments.

ENGLISH 12 (Credit: 1.0)

Students in English 12 strive to develop competency and proficiency in the skills involving reading, composition, oral competency, and proficiency in the skills involving reading, composition, oral communication, linguistics, and literature appreciation. Therefore, principal objectives are not only to assist the student in reading strong literature with discrimination and awareness that problems and interests of mankind are timeless and universal, but also to increase writing experience in a variety of modes, with additional emphasis given to expository/analytical and persuasive expressions. Another objective is to increase the students' understanding of the English language arts history, semantics, and usage. This course includes a senior project that focuses on writing a developed paper and delivering an engaging speech about their family history.

AP LITERATURE (MVCC EN 101 & 102) (Credit: 1.0)

AP English Literature and Composition provides students with a learning experience similar to that of an undergraduate-level introduction to literature course. Through close reading of literary texts, students will come to understand how writers use language to provide meaning and to answer the difficult questions in life. Students will determine both the qualities of great literature, and the roles these works play in history and society. Literary analysis in this course will look through the lenses of structure and style, rhetorical devices, diction choices, figurative language, imagery, symbolism, tone and theme as students experience, interpret and evaluate various works of literature. Mastery of literary terms is essential. Writing well about literature is another key component of this class. In addition to writing a variety of essays, students will periodically be asked to engage in thinking about their writing and to analyze their progress as they strive to achieve mastery of form and an authoritative voice. The course offers an in-depth study of the major literary genres, including poetry, the short story, the essay, the novel and drama. Works explored in this class will be of strong merit. Students will complete a thorough study of Shakespeare with a focus on Hamlet. American literature may include novels, short stories, and novels. Students will also conduct a research-based term paper, which will provide them the opportunity to use people as sources. Students electing to enroll in AP English must read and write avidly. They must be willing to take on extra reading and writing assignments. The course begins with extensive summer reading and will continue with a demanding course load of reading and writing assignments. Students will be required to take the Advanced Placement Examination. This course is also a dual-credit course through MVCC.

Family & Consumer Science

GRADUATION REQUIREMENTS

Students can earn a 5-credit sequence in Agriculture, Art, FACS, or Technology in place of the 3-credit World Language requirement for the Advanced Regents Diploma (see options on page 35).

FOODS & NUTRITION 1 (Credit: 0.5)

Students live in a rapidly changing and increasingly complex world. Our students are future family, community and career leaders, and citizens. As citizens of tomorrow, they need to be able to synthesize information, utilize prior knowledge, work cooperatively, and apply critical thinking skills as they progress along their divergent paths. Conversations, research, and class projects will cover such topics as: Influences on Food Choices, Application of Nutrition Principles, Science and Technology of Food, Safety and Sanitation, Foundations of Food Production, Grains and Grain Products, Fruits and Fruit Products, Vegetables and Vegetable Products, Milk and Milk Products, Meat and Meat Alternatives, Meal Management and Preparation, Food Product Marketing, Food Service and Etiquette, Career Pathways in Food and Nutrition.

FOODS & NUTRITION 2 (Credit: 0.5)

Foods II is a course planned to give information and practical experience in food preparation and service. Lectures, reading and class projects will cover such topics as microwave cookery,

food processor, regional and foreign foods, outdoor cooking, pasta making, and cake decorating.

Prerequisite: Foods & Nutrition 1

BAKESHOP (Credit: 0.5)

Students in this course will learn the basic baking fundamentals and equipment needed to make various baked goods. Students will make things such as breads, pastries, cakes, and cookies. This will be taught to students through hands-on cooking experiences. **Prerequisites:** Foods & Nutrition 1 and Foods & Nutrition 2 Recommended. Offered on a rotating basis and will be offered in 2026-2027.

CHILD PSYCHOLOGY (Credit: 0.5)

Child Psychology is a course designed to help students gain knowledge of human growth and development. The broad objectives of the course are: to identify behaviors and skills characteristic of each level of child development; to develop mastery of basic child-care techniques; to recognize problems in growth and development; and to identify characteristics of a safe, stimulating and loving environment. Offered on a rotating basis and will be offered in 2026-2027.

COOKING UP COMPETITION (Credit: 0.5)

Competitions can be an essential part of development for chefs, enabling them to perform in an environment that puts chefs against their peers. Along with keeping on top of culinary trends, competitions can promote creativity, enhance cooking skills, build confidence and self discipline. This course is designed for students who have completed Food and Nutrition and are interested in expanding their Culinary Skills through a competition based atmosphere. This course offers a positive, hands-on experience with various foods, allows an opportunity to build life skills related to food preparation, creatively address school food issues and engages the school community in the dialogue, promotes the incorporation of local foods into school menus, and collaboratively work with teams as well as school nutrition professionals. **Prerequisites:** Foods & Nutrition 1 required and Foods & Nutrition 2 Recommended. Offered on a rotating basis and will be offered in 2027-2028.

FOOD AROUND THE WORLD (Credit: 0.5)

Students in this course will explore foods, diet, etiquette, and customs of different cultures and will relate the history, geography, and climate of a region to the foods they eat. Students will have hands-on cooking experience to taste and prepare foods from around the world. While students are cooking they will develop teamwork, cooperation, communication, and negotiation. **Prerequisites:** Foods & Nutrition 1 and Foods & Nutrition 2 Recommended. Offered on a rotating basis and will be offered in 2027-2028

HUMAN DEVELOPMENT (Credit: 0.5)

Human Development topics focus on skills needed for understanding relationships across the lifecycle, through a combination of conversations, hands-on activities and projects, and readings. Strategies for understanding self, as well as for dealing with change, help students cope with the challenges of living in today's world. Students live in a rapidly changing and increasingly complex world. Our students are future family, community and career leaders, and citizens. As citizens of tomorrow, they need to be able to synthesize information, utilize prior knowledge, work cooperatively, and apply critical thinking skills as they progress along their divergent paths. Offered on a rotating basis and will be offered in 2026-2027.

LIFE SKILLS COOKING (Credit: 0.5)

Students in this course will learn the basic kitchen abilities to foster independence while covering things like food safety, basic techniques, recipe following, meal planning, and budgeting to prepare healthy and affordable meals to boost confidence, self-reliance, and to prepare for life outside high school. **Prerequisites:** Foods & Nutrition 1 and Foods & Nutrition 2 Recommended. Offered on a rotating basis and will be offered in 2026-2027.

Mathematics

GRADUATION REQUIREMENTS

- Students are required to earn three credits in math
- Students must also successfully complete the Algebra Regents Exam
- Students seeking the Advanced Designation Regents Diploma must earn a minimum of 65 on three required exams (Algebra 1; Geometry; Algebra 2)
- Drawing & Design For Production (MVCC MT 140), listed in the Technology Courses may fulfill the requirement for the third unit of math credit.

ALGEBRA PREP (Credit: 1.0)

In this course students will explore a variety of topics within algebra including linear, exponential, quadratic, and polynomial equations and functions. Students will achieve fluency in solving linear and quadratic equations as well as with manipulation of polynomials using addition, subtraction, multiplication, and factoring. Students will understand the key differences between linear and exponential functions. Students learn to model problems using algebra and functions. This course is aligned with New York State Next Generation Mathematics Learning Standards. for Algebra I. **Prerequisite:** 8th grade teacher recommendation

ALGEBRA 1 (Credit: 1.0)

In this course students will formalize and extend the mathematics that students learned in the middle grades. This course will be based on the Next Generation Learning Standards for Algebra I. Algebra I is the first mathematics course in high school and the focal point is functions; specifically linear, quadratic, and exponential functions. Students will take the New York State Regents Examination in Algebra I (Next Generation).

APPLICATIONS of GEOMETRY (Credit: 1.0)

This non-Regents course will introduce students to visual and concrete representations that will help them to understand important concepts of geometry and their applications. This course prepares students for the Regents Geometry course. Students will learn the language of geometry, the coordinate plane, transformations, slope, angle relationships, triangles, parallel and perpendicular lines, quadrilaterals, geometric solids, ratio and proportion, and geometry of the circle. **Prerequisite:** Algebra I

GEOMETRY (Credit: 1.0)

Geometry is intended to be the second course in mathematics for high school students. This course will be based on the Next Generation Learning Standards for Geometry. Students will explore more complex geometric situations and deepen their understanding of geometric relationships. A major emphasis is on rigid motions and formal proofs. Topics include congruence, proof, constructions, rigid motions, similarity, right triangle trigonometry, geometry in three dimensions, circles, properties and formulas relating to geometric figures, and others. Students will take the New York State Geometry Regents Examination. (Next Generation). **Prerequisite:** Algebra I and passing the Algebra 1 Regents Exam

ALGEBRA II (Credit: 1.0)

Algebra II is the capstone course of the three high school mathematics courses and is a continuation and extension of the two courses that precede it. Building on their work with linear, quadratic, and exponential functions in Algebra I, students in Algebra II extend their repertoire of functions to include polynomial, rational, radical, and trigonometric functions. This course is the final math course required for an Advanced Regents Diploma. Students will take the New York State Algebra II Regents Examination (Next Generation). **Prerequisites:** Geometry and passing the Regents Exam.

CONSUMER MATH (Credit: 1.0)

This course is intended to give juniors and seniors a base knowledge of how money works and how it will affect their adult lives. Topics include (but are not limited to) calculating paychecks, payroll taxes, budgeting, bank accounts, consumer spending, credit cards, automobile expenses, and housing expenses. **Prerequisite:** Algebra 1

ELEMENTARY STATISTICS (MVCC MA110) (Credit: 0.5)

This course introduces probability and statistics. Topics include graphs, tables, frequency distributions, measures of central tendency and dispersion, normal distribution, correlation and regression, probability, and inferential statistics. Students may earn 3 college credits upon passing this course. This course is a dual-credit course through MVCC. **Prerequisite:** Algebra 1

INTERMEDIATE MATH (MVCC MA115) (Credit: 1.0)

This course introduces intermediate algebra skills. Topics include exponents and radicals, polynomial and rational expressions, functions and relations and their graphs, inequalities, and systems of linear equations. Linear, quadratic, rational, and radical equations are solved. Applications are included. Students may earn 4 college credits upon passing this course through our dual-credit program with MVCC. **Prerequisite:** Algebra 1

PRECALCULUS (MVCC MA150) (Credit: 1.0)

This course prepares students for calculus through a study of the properties and graphs of polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions. Topics include an introduction to mathematical argument and conic sections. Emphasis is placed on the function concept and the appropriate use of the language of mathematics. Students may earn 4 college credits upon passing this course. This is a MVCC dual-credit course. **Prerequisite:** Algebra II

AP CALCULUS (MVCC MA151) (Credit: 1.0)

This course is an introduction to the differential and integral calculus of a single variable. Topics include limits and continuity, differentiation with application to mathematical modeling, differential equations, slope fields, the area between two curves, and the volume of both solids of revolution and solids with known cross-sections. The development of problem solving skills across subject area lines will be emphasized with a multidimensional approach including algebraic, numerical, verbal, and exploratory/laboratory methods. The Ti-89 Titanium Graphing Calculator with a Computer Algebra System (CAS) will be used along with a wealth of resources available to the students when they register on the AP Central (College Board) website at the beginning of the class. Students are required to take the Advanced Placement examination. **Prerequisite:** Precalculus

Music

GRADUATION REQUIREMENTS

All students must earn a total of one credit in Music and/or Art. Students may also fulfill this graduation requirement by completing Drawing & Design For Production (MVCC MT 140).

BAND 9-12 (Credit: 0.5)

Available to those enrolled in grades 9-12. Band rehearses two or three times a week to prepare for winter and spring concerts. Weekly lessons are mandatory to work on individual needs on students' instruments. Attendance at Winter, Spring, and Sherburne concerts is required. Auditions in the fall will be given to determine seating arrangement in the band.

MIXED CHORUS (Credit: 0.5)

This chorus is open to any student in grades 9 through 12. No audition is required. This chorus rehearses three periods per cycle and is scheduled in the school day. Rehearsals and lessons are used to develop singing skills, prepare for concerts, and learn basic music theory skills. Sectional rehearsals may be scheduled as needed. Performance at school concerts is required.

MUSICAL THEATRE (Credit: 0.5)

This course will help develop knowledge, skill and understanding of singing, dancing, acting, and technical aspects of musical theatre. This is not a drama course. Topics of study may include (but are not limited to): singing for musical theatre, dancing for musical theatre, acting for musical theatre, technical theatre instruction, set design, lighting design, sound, history of musical theatre, critiquing, preparing for an audition, preparing a resume, character costumes and make-up. This course will meet every other day, and is a full year elective. This course is offered on a rotating basis and will be offered in 2026-2027.

INTRODUCTION to ACTING (Credit: 0.5)

This course will introduce students to the fundamentals of the creative process of acting. It will focus on developing and training the actor's instrument. Through structured exercises and performance projects, the student will develop skills in relaxation and concentration, voice and movement, and

script analysis. Course meets every other day, and is a full year elective. This course is offered on a rotating basis and will be offered in 2027-2028.

Physical Education and Health

GRADUATION REQUIREMENTS

Students must earn a half-credit in Health in order to graduate. In addition, students must earn a half-credit of Physical Education each year they are in high school for a total of 2 credits.

HEALTH 10, 11, 12 (Credit: 0.5)

This course is designed to teach students the information and the skills they need to become health literate, maintain and/or improve their health, prevent disease, and reduce the Health- Related Risk Factors of Teens as identified by the Centers for Disease Control and Prevention. What is stressed is that it is their own attitudes, choices and behaviors that can promote or adversely impact their health. Topics include; Living in a Media World, Nutrition and Physical Activity, Refusal Skills, Mental and Emotional Health, Violence and Injury Prevention, Goal Setting, Communication Skills, Decision Making, Alcohol, Tobacco and Other Drugs, Personal Health and Human Sexuality.

PHYSICAL EDUCATION 9-12 (Credit: 0.5)

Physical Education encompasses a wide range of activity in a progressive sequence. The goals of the Physical Education Program are to: promote lifelong physical fitness, gain knowledge of rules and strategies, offer opportunities for leadership and social interaction, and to develop life skills. This course will include both team, individual and lifelong activities as well as provide skills for finding personal enjoyment and opportunities to remain active after students leave the K-12 setting.

Science

GRADUATION REQUIREMENTS

- Students are required to complete 3 credits in science in order to graduate.
 - One credit must be a life science and one credit must be a physical science.
 - The third credit of science can also be fulfilled through integrated coursework at the BOCES Occupational Education Center or through the following Agricultural and Technology courses:
 - Animal Science (MSC ANSC100)
 - Introduction to Veterinary Science
 - Natural Resources & Conservation (TC3 ENVS101/102)
 - Plant Science (MSC HORT 210)
 - Drawing & Design For Production (MVCC MT 140)

- Students must pass one Regents exam in order to graduate. Students pursuing an Advanced Regents Diploma must pass two Regents exams (1 Life and 1 Physical).

LIFE SCIENCE: BIOLOGY (Credit: 1.0)

This is the Regents level course for Life Science: Biology. The following topics are covered: Similarities and Differences Among Living Organisms, Homeostasis in Organisms, Genetic Continuity, Reproduction and Development, Evolution, Ecology, Human Impact on Ecosystems, Scientific Inquiry and Skills, and Laboratory Skills with an emphasis on microscope and cell study. Heavy emphasis is placed on lab experiences. Students attend six classes and three laboratory periods per six-day cycle. To qualify to sit for the Regents examination, a student must participate in 1200 lab minutes, submit acceptable reports, and demonstrate preidentified laboratory skills, as per state requirements. This course meets everyday plus a lab every other day.

EARTH & SPACE SCIENCE (Credit: 1.0)

This course covers the fundamental topics in Earth and Space Science, focusing on core ideas, science practices, and concepts that cut across science disciplines. Students will take the Regents final examination. To qualify to sit for the Regents examination, a student must satisfactorily complete the state mandated minimum 1200 minutes (20 hours) of required laboratory. In addition, students must also complete satisfactory three state lab assessments. To ensure that students have the opportunity to meet the state requirements, students will be assigned both a lecture class and a lab class.

CHEMISTRY (Credit: 1.0)

NYS Regents Chemistry deals with the properties and structures of matter. The course focuses on core content in chemistry, mastery of scientific practices and thinking, and concepts that span various scientific disciplines. It is a detailed treatment of topics including properties and behavior of matter, atomic structure, chemical calculations, equations, acids, bases, salts, equilibrium reactions, organic chemistry, electrochemistry, and nuclear chemistry. A basic knowledge of algebra and simple geometry is necessary. A laboratory period is required and detailed laboratory reports are expected. All students are expected to take the Regents exam given at the end of the course. To qualify to sit for the Regents examination, a student must satisfactorily complete the state mandated minimum 1200 minutes (20 hours) of required laboratory and three state-mandated laboratory investigations. This course meets every day plus a lab every other day. **Prerequisite:** Successful completion of Biology and Earth & Space Science.

PHYSICAL SCIENCE (Credit: 1.0)

Physical science covers a variety of topics in physics and chemistry. The first and third quarters of the year focus on physics, and the second and fourth quarters are spent studying topics in chemistry. Physics topics include one dimensional constant velocity motion, acceleration, projectile motion, Newton's laws of motion, electricity, magnetism, optics, and energy. Chemistry topics include classification of matter, energy and heat transfer, phase changes, calorimetry, acids & bases, and atomic structure. Students are assessed with projects which are completed periodically, as well as lab experiment reports and assignments.

PHYSICS (Credit: 1.0)

This is a Regents level course. Physics focuses on core physics concepts like mechanics, waves, electricity & magnetism, and modern physics, emphasizing hands-on labs, mathematical problem-solving (algebra/trig), and scientific reasoning to prepare for the Regents exam following the NYSSLS Curriculum for developing higher-order skills and conceptual understanding. General scientific thinking skills and practices are emphasized, along with scientific cross-disciplinary concepts such as patterns, cause and effect, and systems. A laboratory period is required. Students will take the Regents exam given at the end of the course. To qualify to sit for the Regents examination, a student must satisfactorily complete the state mandated minimum 1200 minutes (20 hours) of required laboratory and three state-mandated laboratory investigations. This course meets every day plus a lab every other day. **Prerequisite:** Successful completion of Biology and Earth & Space Science.

ANATOMY (Credit: 1.0)

Anatomy is a high school elective that focuses on the structures and functions of the human anatomy and other vertebrates. The following body systems will be studied: nervous, circulatory, reproductive, digestive, excretory, endocrine, muscular, and skeletal. Labs will consist of dissections. This course will satisfy the 3-year science requirement in the New York State Regents standards. This course is offered on a rotating basis and will be offered in 2026-2027.

AP BIOLOGY (Credit: 1.0)

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. It covers the following topics in great depth: Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity Gene Expression and Regulation, Natural Selection, Ecology. Laboratory experience must be included in all AP Biology courses. AP Biology is designed to be taken by students after the successful completion of a first course in high school biology and high school chemistry. Students are required to take the Advanced Placement examination. **Prerequisite:** Successful completion of Biology and Regents Chemistry. This course is offered on a rotating basis and will be offered in 2027-2028.

AP CHEMISTRY (Credit: 1.0)

The Advanced Placement Chemistry course is designed to be the equivalent of a college introductory chemistry course usually taken by chemistry majors during their first year. It covers the following topics in great depth: reactions, stoichiometry, bonding, thermodynamics, kinetics, and equilibrium, electrochemistry, nuclear and organic. Laboratory experience must be included in all AP Chemistry courses. AP Chemistry is designed to be taken by students after the successful completion of Regents Chemistry. Students will be required to take the Advanced Placement examination. **Prerequisite:** Successful completion of Regents Chemistry. This course is offered on a rotating basis and will be offered in 2026-2027.

COMPUTER PROGRAMMING (Credit: 1.0)

Computer Programming is an introductory-level course for students brand new to programming and computer science. In this course, students will learn problem-solving strategies, software design, and the foundations of computer science using two key tools: the Project STEM programming environment and EarSketch, a software package that turns your code into music. Not only will this course prepare students for continuing their studies in computer science, but it will also

teach them how to think like a scientist and solve real-world problems, skills that are important to every 21st-century citizen. This course is for students wishing to begin learning computer programming. It is best suited for students in grades 10-12. There are no prerequisites for this course, although students should have basic familiarity with how to operate a computer and use applications. It's also recommended that students have familiarity with basic algebra principles before starting this course. This course is offered on a rotating basis and will be offered in 2026-2027.

FIELD STUDIES (Credit: 1.0)

Field studies is a rigorous class designed to give students the opportunity to acquire the necessary skills needed to perform well in college science courses and careers related to the science fields. This is a project based course. Assessments are based on completing projects and writing assignments. Students will focus on four major areas of estimation, investigation, evaluation, and engineering and design. Another component is writing and presenting material using APA format. This class will have high expectations of students to work with others in cooperative projects. **Prerequisite:** To enroll in this course, students must have successfully completed two science courses. Please note that completion refers to the courses themselves and does not include passing Regents exams.

ZOOLOGY (Credit: 1.0)

Zoology is a course that will survey the nine major phyla of the kingdom Animalia. Zoology is the study of animal life. Zoologists research everything they think to ask about animals, including their anatomy and interrelationships, their physiology and genetics, and their distributions and habitats. This course is offered on a rotating basis and will be offered in 2027-2028.

Social Studies

GRADUATION REQUIREMENTS

Students are required to complete four credits in Social Studies, as outlined below, to graduate:

- Global History 1 (1.0 credit)
- Global History 2 OR AP World History (1.0 credit)
- U.S. History and Government OR AP U.S. History (1.0 credit)
- Government (0.5 credit) Students may also fulfill this graduation requirement by completing Rural Issues & Government (through the Agricultural Department)
- Economics or Financial Literacy (0.5 credit) Students may also fulfill this graduation requirement by completing Agriculture Economics (MSC AGBS110) (through the Agricultural Dept)

In addition, students must successfully complete the Global History Regents Exam and the U.S. History Regents Exam to graduate.

GLOBAL HISTORY AND GEOGRAPHY 9 (Credit: 1.0)

This required course is the first part of the two-year Global Studies program. Grade 9 begins with the Paleolithic Era and the development of the first civilizations, continues with an examination of classical societies, and traces the expansion of trade networks and their global impact. The course emphasizes

the key themes of interactions over time, shifts in political power, and the role of belief systems. While the course emphasizes the importance of historical and spatial thinking, all of the social studies practices and standards are included in the study of global history and geography. The development of geographic, reading, writing, listening, discussion and research skills are an important and integral part of the entire Global Studies program.

GLOBAL HISTORY AND GEOGRAPHY 9 H (Credit: 1.0)

Global 9 Honors covers the same content as Global 9 but examines the historical topics on a deeper level while raising the expectations for the quality and rigor of coursework. Time will be devoted to extensive primary source analysis, developing college-ready writing skills, and in-depth class discussions.

GLOBAL HISTORY AND GEOGRAPHY 10 (Credit: 1.0)

This course begins with an overview of the world in 1750 and the power systems in place at that time. As topics of study progress chronologically to the present, students explore concepts such as industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world as they relate to historical developments. This course culminates with students taking the Global History and Geography II Regents Examination.

AP WORLD HISTORY (Credit: 1.0)

While this course meets the requirement for students to take the Global History and Geography II Regents Examination, the content covered is more extensive beginning in the year 1200. Students learn about historical developments and processes from a global perspective and participate in in-depth examination of how power systems, technological, social, cultural, and economic changes were all impacted as places across the globe became more interconnected. At the end of this course, in addition to taking the Regents exam they will also take the Advanced Placement Exam.

U.S. HISTORY AND GOVERNMENT (Credit: 1.0)

This course begins with the colonial and constitutional foundations of the United States and explores the government structure and functions written 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 19th century, the threat of terrorism, and the place of the United States in an increasingly globalized and interconnected world. At the end of the course, students are required to take a Regents Examination.

AP U.S. HISTORY (MVCC HI 111/HI 112) (Credit: 1.0)

AP U.S. History analyzes the development of the U.S. from the Age of Discovery through the present. This course stresses political history as well as examining economic development, diplomatic, intellectual, social, urban and ethnic history. Students will read and analyze both primary and secondary sources. The AP course in U.S. History is designed to meet the standards of the College Board Advanced Placement Curriculum. Students will be required to take the NYS U.S. History Regents and the Advanced Placement examinations. Successful completion of the course will also result in 6 credits from MVCC.

ECONOMICS & REAL WORLD FINANCE (Credit: 0.5)

This course is a survey of micro and macroeconomics. The course is intended to introduce the student to the world of economics and to give them the opportunity to examine the application of economic principles in their daily lives. The student is introduced to the central problem of scarcity and its meaning in their personal lives as well as in the life of their country and society. An examination of principles and differing economic philosophies will be included. The course is designed to assist students in becoming effective economic citizens in their political, social, and work-related life experiences.

GOVERNMENT (Credit: 0.5)

This required course is designed to provide students with a basic knowledge of governmental operations on the local, state and national level. It will emphasize how public policy is formed, implemented and evaluated at all levels of government in a democratic society. It will also concentrate on providing students with knowledge of how citizens can directly or indirectly interact with the public policy process. Building on a base of knowledge that the students have already acquired, it will attempt or create opportunities for students to refine and develop skills necessary for participating in a democratic society, engaging in civic action, and becoming aware of their role in the decision making process. A public service project is required for successful completion of the course.

Technology

GRADUATION REQUIREMENTS

Drawing & Design For Production (MVCC MT 140) course can be used to fulfill the Fine Arts, 3rd Math, or 3rd Science credit graduation requirement. Students can earn a 5-credit sequence in Agriculture, Art, FACS, or Technology in place of the 3-credit World Language requirement for the Advanced Regents Diploma (see options on page 35).

AG POWER AND TECHNOLOGY (Credit: 1.0)

This course will teach students about small engines and the application of power and technology. This class will have students working in small groups to complete labs on different systems associated with small engines. This course will also explore other power/energy system applications and introduce students to new technologies. This course is offered every other year and will be offered in 2026-2027.

AG STRUCTURES AND WOOD TECHNOLOGY (Credit: 1.0)

This course will teach basic woodworking skills and construction techniques for building structures. All of these skills and techniques will be learned through visual demonstration and hands-on projects that students will complete throughout the Course.

DRAWING & DESIGN FOR PRODUCTION (MVCC MT 140) (Credit: 1.0)

Students will understand how to apply Engineering Design Process for problem solving through the application of Mechanical Drawing and Computer Aided Drafting and Design. This course will teach students basic drafting skills, basic CAD skills, and problem solving skills as they work individually and

in small groups completing activities throughout the course. This class is a dual credit course with MVCC.

FOUNDATIONS OF TECHNOLOGY & ENTREPRENEURSHIP (Credit: 1.0)

Students will develop an understanding of the influence of technology on history by exploring how people of all times and places have increased their capability by using their unique skills to innovate, improvise, and invent. These skills will allow students to develop an entrepreneurship where the class will look for ways to support our school community with new innovative creations through a student-run business for school apparel and student recognition. Students will learn to develop and create new merchandise with 3D printers and a 3D Engraver as well as develop school apparel using a cricut with vinyl designs for other merchandise. Students will also learn general information about how a business works and the importance of bookkeeping, maintaining inventory, developing displays, packaging, and ordering supplies. Students will also develop communication skills for meeting with clients and working with other companies while meeting product deadlines.

TECHNICAL DESIGN AND ROBOTICS (Credit: 1.0)

In Technical Design and Robotics, engineering scope, content, and engineering practices are presented through practical applications. Students in engineering teams will apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. In addition, in engineering teams, students will learn the use of robotics from design and manufacture to programming culminating in a final design challenge where the students will complete a design to compete against their classmates while using VEX Robotics. This course is offered every other year and will be offered in 2027-2028.

World Languages

GRADUATION REQUIREMENTS

Students are required to earn one credit in a World Language in order to graduate. Students pursuing an Advanced Regents Diploma are required to complete three credits in one World Language and pass the Checkpoint B exam. Students can earn a 5-credit sequence in Agriculture, Art, FACS, or Technology in place of the 3-credit World Language requirement for the Advanced Regents Diploma (see options on page 35). However, many colleges require some World Language as part of their admissions requirements.

AMERICAN SIGN LANGUAGE 1 (Credit: 1.0)

ASL 1 is the first of a series of four sequential courses that will teach students introductory level vocabulary, basic grammar structure, Deaf history, and the cultural background needed to communicate with Deaf individuals. Instruction will include the language functions, asking for and giving information, making requests, giving directions, agreeing and disagreeing, expressing likes and dislikes as well as many other skills required to communicate on a novice level. ASL 1 offers students a variety of experiences that will develop their awareness of the world around them. Likewise, the multimedia exposure students experience in this class will help them better understand the Deaf

culture. As the course is derived from the New York State Learning Standards for Languages Other than English, this course satisfies the criteria required by New York State to earn the Languages other than English (LOTE) course credit.* The course is also aligned to the national proficiency guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL).

AMERICAN SIGN LANGUAGE 2 (Credit: 1.0)

ASL 2 is the second of a series of four sequential courses that will teach students introductory level vocabulary, grammar structure, Deaf history, and the cultural background needed to communicate with Deaf individuals. Instruction will include the language functions, asking for and giving information, making requests, giving directions, agreeing and disagreeing, expressing likes and dislikes, introducing classifiers and facial expressions as important components of ASL grammar, as well as many other skills required to communicate on a novice-high level. ASL 2 offers students a variety of experiences that will increase their awareness of the world around them. Likewise, the multimedia exposure students experience in this class will help them better understand the Deaf culture. This course is derived from the New York State Learning Standards for Languages Other than English. The course is also aligned to the national proficiency guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL). **Prerequisite:** American Sign Language 1

AMERICAN SIGN LANGUAGE 3 (HU 100) (Credit: 1.0)

ASL 3 is the third of a series of four sequential courses that will teach students introductory level vocabulary, grammar structure, Deaf history, and the cultural background needed to communicate with Deaf individuals. Students will learn how to use various types of classifiers with complex grammar structures, learn to narrate compound situations that occur in everyday life, use advanced grammar structures and sentence types, and gain the confidence to interact in the Deaf community. ASL 3 is largely project based and centers around the interests and curiosities of students through a series of personalized projects. This course is derived from the New York State Learning Standards for Languages Other than English. The course is also aligned to the national proficiency guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL). **Prerequisite:** American Sign Language 2.

AMERICAN SIGN LANGUAGE 4 (HU 101) (Credit: 1.0)

ASL 4 is the final course in a series of four sequential courses that will teach students to develop advanced skills in American Sign Language. Through twelve units of study on topics such as Deaf Literature, Deaf refugees, Complex Classifiers, and Geographical signs, students will further develop previously learned skills as well as learn new skills in American Sign Language. Students will use presentational/expressive and receptive language skills to meet expectations. This course is derived from the New York State Learning Standards for Languages Other than English. The course is also aligned to the national proficiency guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL). **Prerequisite:** American Sign Language 3.

MANDARIN CHINESE LEVEL 2A (Credit: 1.0)

This is the first of a two-year sequence that will progress through the second level of traditional language study. This is a sequential course that continues the teaching of Chinese beginning at the Checkpoint B of the New York State standards. The student enters the course with basic concepts of Chinese. Students build upon vocabulary, grammar and character writing. Students will begin to

express themselves with some degree of fluency and fluidity in all four language skills of speaking, listening, writing, and reading.

SPANISH 1 (Credit: 1.0)

The student learns to understand, speak, read and write simple, everyday sentences on a variety of topics, fulfilling the functions and proficiencies of Checkpoint A of the New York State Syllabus. Additionally students learn and master basic grammar structures to acquire a proficiency in oral and written Spanish, stressing communication skills. The student learns to appreciate and open their minds to the culture and lifestyles of Spanish-speaking peoples.

SPANISH 2 (Credit: 1.0)

Students continue with their communicative skills (listening, speaking, reading, and writing). More advanced grammatical structures and verbal expressions are introduced. Vocabulary is expanded to include broader situations and experiences. Students learn all tenses required for the New York State Exam at the end of Spanish 3. Students will participate daily in language development activities as well as cultural activities. They will complete writing assignments and projects in the target Language.

Prerequisite: Spanish 1

SPANISH 3 (Credit: 1.0)

Students participate in daily listening, reading, speaking and writing activities to prepare for New York State Checkpoint B exam. Students will read an abridged version of an epic poem in Spanish. This course includes review of grammar and introduction of regular future, conditional, perfect tenses and review of preterite and imperfect, along with vocabulary to prepare for the Checkpoint exam.

Prerequisite: Spanish 2

SPANISH 191 (MVCC SP191) (Credit: 0.5)

This course is offered under a dual-enrollment program at Mohawk Valley Community College (MVCC). It is an intermediate level class in Spanish and follows the same syllabus and requirements as the classes on the MVCC campus and may earn the student college credits which can be transferred to many colleges. There is no charge for the college credits offered with 191. Each course is a separate entity offered for one semester, 191 in the fall and 192 in the spring. This is a grammar review course, but will incorporate culture and Hispanic literature as well. Final exam administered in January. **Prerequisite:** Spanish 3 This course is offered every other year and will be offered in 2027-2028.

SPANISH 192 (MVCC SP192) (Credit: 0.5)

This course is offered under a dual-enrollment program at Mohawk Valley Community College (MVCC). It is an intermediate level class in Spanish that follows the same syllabus and requirements as the classes on the MVCC campus and may earn the student college credits which can be transferred to many colleges. There is no charge for the college credits offered with 192. Each course is a separate entity offered for one semester, 191 in the fall and 192 in the spring. This is a grammar review course, but will incorporate culture and Hispanic literature as well. Final exam administered in June. **Prerequisite:** Spanish 3 This course is offered every other year and will be offered in 2027-2028.

SPANISH 201(MVCC SP201) (Credit: 0.5)

This intermediate Spanish 201 class will focus mostly on the discussion of Spanish literary texts, mostly short stories and poems. This course is offered under a dual-enrollment program at Mohawk Valley Community College (MVCC). This course follows the same syllabus and requirements as the classes on the MVCC campus and may earn the student college credits which can be transferred to many colleges. Each course is a separate entity offered for one semester, 201 in the fall and 202 in the spring. The intermediate sequence is designed to continue the development of the student's ability to communicate in the language through the skills of listening, speaking, reading, and writing. The sequence includes a review and further study of pronunciation, grammar, and vocabulary. Materials concerned with culture, civilization, literature, contemporary issues, and everyday situations constitute the subject matter for communication. The courses will be primarily skills-based (proficiency in speaking, reading, listening and writing), with the teaching of grammar secondary and as needed to reinforce the skills. Examination given in January. **Prerequisite:** Spanish 3 This course is offered every other year and will be offered in 2026-2027.

SPANISH 202 (MVCC SP202) (Credit: 0.5)

This intermediate Spanish 202 class will focus mostly on the discussion of Spanish literary texts, mostly short stories and poems, in Spanish. This course is offered under a dual enrollment program at Mohawk Valley Community College (MVCC). This course follows the same syllabus and requirements as the classes on the MVCC campus and may earn the student college credits which can be transferred to many colleges. Each course is a separate entity offered for one semester, 201 in the fall and 202 in the spring. The intermediate sequence is designed to continue the development of the student's ability to communicate in the language through the skills of listening, speaking, reading, and writing. The sequence includes a review and further study of pronunciation, grammar, and vocabulary. Materials concerned with culture, civilization, literature, contemporary issues, and everyday situations constitute the subject matter for communication. The courses will be primarily skills-based (proficiency in speaking, reading, listening and writing), with the teaching of grammar secondary and as needed to reinforce the skills. Examination given in June and Final Literature Portfolio submitted in June.

Prerequisite: Spanish 3 This course is offered every other year and will be offered in 2026-2027.

BOCES Career & Technical Education (CTE)

For information about the programs offered at the BOCES Career and Tech Center, please click on the following link <https://www.oneida-boces.org/instructional/career-technical-education/program-guide>

Waterville participates in the extensive occupational education program offered by the Board of Cooperative Educational Services (BOCES). Under this program, students in grades 11 and 12 attend the senior high school one-half day (AM or PM) to pursue diploma requirements. During the other half-day, students are transported to the occupational facilities on Middle Settlement Road, New Hartford. At this center, training is given for individuals seeking a specific skill. A visitation program takes place each March for students who are considering enrolling in an occupational program at BOCES.

BOCES also offers MiTech programs and a P-Tech program. MiTech 9 and MiTech 10 are half-day programs in which students will receive English, Math, and 2 CTE elective credits. Students explore 4

CTE programs each year. P-Tech is a full day four or five-year program that interested students must apply for in 8th grade and be selected to participate in.

ADVERTISING DESIGN/ MULTIMEDIA PRODUCTIONS (Credit: 4)

This is a two-year course offering an overview of graphic arts fields including advertising, design, illustration, logo and symbol design, computerized graphic design, basic web page design and typography. First-year students learn design principles, advertising and marketing theories, basic computer operations and introduction to design software packages. Second-year students create independent design projects in areas of interest, including audio production, video production, digital photography and web page design. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

ANIMAL SCIENCE (Credit: 4)

Students in the Animal Science program study animal behavior, safe handling and restraint, anatomy and physiology, small animal care and management, health and disease, nomenclature and veterinary terminology. Students will also visit sites to view first-hand how animal science applies to a variety of jobs and occupations. This is a 1-year program where students will receive 1.0-credit Occ. English 12 and 1.0-credit Science and 2.0 elective credits.

AUTO BODY REPAIR (Credit: 4)

The Auto Body Repair program offers students specialized training from an experienced auto body instructor. The course provides students with an overview of all facets of auto body repair. Topics range from small dent repair to custom painting, incorporating automotive welding and collision repair. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

AUTO TECHNOLOGY (Credit: 4)

Students in Automotive Technology learn to diagnose, service and repair many different systems in today's vehicles. Students also learn about computerized engine controls, emission controls, wheel alignment and how to perform New York State vehicle inspections. This program provides an excellent foundation to enter an automotive college program, the workforce or the military. Our Automotive Technology Program is accredited by the ASE Education Foundation at the Maintenance and Light Repair Level. Our instructor is an ASE-certified Master Technician and also holds the Advanced Engine Performance and Maintenance and Light Repair certifications. Our graduates have excellent employment potential due to the need for qualified automotive technicians. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

CONSERVATION (Credit: 4)

The Conservation program emphasizes the skills and knowledge required for success in the many conservation-related careers. The course is a blend of classroom instruction and hands-on outdoor learning, with the importance of a favorable work ethic stressed. Students acquire skills in forestry, fish and wildlife management, heavy equipment operation, timber harvesting, chainsaw operation and maintenance, tree climbing, map and compass, GPS, surveying and more. In our greenhouse, students become skilled in hydroponics, aquaculture and plant propagation. This is a 2-year program

where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

CONSTRUCTION TRADES (Credit: 4)

The Construction Trades program teaches basic skills in residential construction as students gain experience in foundation work, rough framing, roofing, siding, drywall, solar panel installation and our newly expanded modules of plumbing and masonry. Students learn how to use and maintain trade tools properly and safely and receive instruction in building codes, blueprint reading and the application of trade math. A great emphasis is placed on hands-on learning through various projects on and off-campus. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

COSMETOLOGY (Credit: 4)

This program is designed to provide students with marketable skills in the field of cosmetology. Once the skills are acquired, students perform services for customers in a salon setting. With further training, experience and, upon completion of the required 1,000 hours, including a summer session and internships, students are eligible to take the NYS Appearance Enhancement license exam. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

CRIMINAL JUSTICE (Credit: 4)

The two-year Criminal Justice program covers nearly all facets of public safety. The first year includes topics such as New York state penal, vehicle and traffic laws; criminal procedure law; accident investigation and reconstruction; incident command; fire fighting; criminal investigation; police patrol tactics; forensics; ballistics; cybersecurity; terrorism; firearm safety; and more. The second year introduces seniors to the popular field of forensic science. Topics include crime scene investigation; anthropology; hair, fiber, soil and blood spatter analysis; and practical, hands-on activities. This program is designed to better educate and prepare students to be successful in an increasingly technical and competitive career. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

CULINARY ARTS (Credit: 4)

This program is designed for students interested in becoming commercial cooks for restaurants, hotels, hospitals or catering services. Cooking, menu planning, management skills, sanitation and safety practices and table service are covered in this program. Students receive practical experience preparing lunches, dinners and banquets for nonprofit organizations. Each student also participates in an internship at a local restaurant or college dining facility. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

EARLY CHILDHOOD EDUCATION (Credit: 4)

First-year Early Childhood Education students operate a laboratory nursery school under the direction of the program's teacher. The on-site nursery school gives students practical experience working with three- and four-year-old children. Second-year students gain practical experience working in two 10-week internships at a local kindergarten classroom, day-care center or special education program.

This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

ELECTRICITY (Credit: 4)

Electricians install, maintain and troubleshoot electrical systems and equipment in homes, offices, institutions and industrial plants. Students learn residential, light commercial and industrial wiring through a variety of hands-on activities and projects. During the second year of the program, students will also receive instruction in solar photovoltaics using state-of-the-art equipment. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

EMERGING TECHNOLOGIES & CYBER SECURITY (Credit: 4)

This two-year course teaches computer repair and basic networking fundamentals during the first year. This includes hardware and software installation, PC hardware devices and end-user support, problem-solving, troubleshooting, telecommunications protocols and network support. Second-year students will learn advanced networking technologies and gain exposure to the field of information system security including issues faced by homes and businesses, the types of damage they may cause and prudent security measures to counteract them. Students will learn basic terminology involved in cyber security, describe various threats and identify potential security technologies to combat these threats. With today's emerging technologies, all types of businesses and industries face information system security issues, making knowledge of computer security a high-demand area. With further training and experience, students completing this program have the opportunity to take certification exams in A+, N+ and Security+, thereby greatly increasing their employment potential. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

FOOD SERVICE OCCUPATIONS (Credit: 4)

The Food Service program allows students to receive basic instruction in the food service industry through select course offerings. Students learn theory and receive practical experience in quantity preparation for large groups and short-order cooking. Students earn 4.0 elective credits.

HEALTH CAREERS EXPLORATION (Credit: 4)

Health Careers Exploration is a 1-year program. Students will explore the various health related careers to give students a better idea of career opportunities. Students will receive 1.0-credit Occ. English 12 and 1.0-credit Math and 2.0 elective credits.

P-TECH

Pathways in Technology Early College High School (P-TECH) is an integrated high school and college curriculum focusing on science, technology, engineering, art and mathematics (STEAM), while also providing workplace skills including leadership, communication and problem-solving. This program will enroll freshmen students in a flexible (four, five, or six-year) program combining academic rigor and career focus with graduates earning a high school diploma and an accredited associate's degree. Students will experience internships with P-TECH business and industry partners and, upon graduation, will be regarded as viable candidates for employment with these partnering agencies. Enrollment for this program will be conducted through an application process as detailed in the P-TECH grant guidelines. Students can only enter this program in 9th grade.

MI-TECH 9 (Credit: 4)

MiTech (Modules of Integrated Technologies) 9 is a career exploration and skills development program for 9th grade students with academic needs who are preparing to enter traditional career and technical education programs. Students will engage in real life tasks allowing them to apply knowledge and information, accrue work-based learning hours, develop skills in craftsmanship, build self-esteem, and develop good work habits and work ethic. Program modules may include auto body repair, automotive technology, carpentry, culinary, horticulture, small engine repair and welding. Students will also have the opportunity to visit additional CTE courses to help them identify other courses of potential interest. Students will receive English 9, Pre-Algebra, and DDP credit, and one CTE credit.

MI-TECH 10 (Credit: 4)

MiTech (Modules of Integrated Technologies) 10 is a career exploration and skills development program for 10th grade students with academic needs who are preparing to enter traditional career and technical education programs. Students will engage in real life tasks allowing them to apply knowledge and information, accrue work-based learning hours, develop skills in craftsmanship, build self-esteem, and develop good work habits and work ethic. Program modules may include auto body repair, automotive technology, carpentry, culinary, horticulture, small engine repair and welding. Students will also have the opportunity to visit additional CTE courses to help them identify other courses of potential interest. Students will receive English 10 and algebra credit, and two career and technical education credits.

MULTI-OCCUPATIONS (Credit: 4)

Multi-Occupations is a program offering career exploration and skills development to encourage and challenge students to discover their abilities and interests. Hands-on tasks in several occupational clusters provide real work opportunities that may include shadowing and internship experiences. Classroom instruction stresses the importance of basic academic skills. Clusters focus on employability, independent living, social and safety skills to participate within the home and community. Students earn 4.0 elective credits.

NURSE ASSISTANT (Credit: 4)

This one-year course teaches students basic skills in the area of personal needs and develops the specialized skills required for patient comfort. After learning applied theory in the classroom, students practice nursing skills in the clinical laboratory in actual roleplaying situations. Students then transfer their knowledge to the work environment, where they spend six weeks (100 clinical hours) gaining valuable experience. Once students complete the class, they are eligible to take the written and performance tests offered by New York State Department of Health to become a Certified Nurse Assistant.. This is a 1-year program where students will receive 1.0-credit Occ. English 12 and 1.0-credit Science and 2.0 elective credits. If Health does not fit into a student's schedule they can also receive 0.5-credit Health and only 1.5 elective credits.

OUTDOOR POWER/RECREATIONAL EQUIPMENT TECHNOLOGY (Credit: 4)

In the Outdoor Power/Recreational Equipment Technology program, students learn to repair, rebuild and tune-up several basic types of engines. These engines can be found on equipment such as snow blowers, lawnmowers, rototillers, farm tractors, construction equipment, motorcycles, jet skis and snowmobiles. Students also learn metal skills, including electric arc, MIG and oxyacetylene welding.

This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

WELDING (Credit: 4)

Welding students learn to construct and repair equipment, machinery, parts and piping by fusing metal parts together. Students follow layouts, blueprints, work orders and verbal directions using oxyacetylene, MIG, TIG or arc welding apparatus. When prepared, students can take a test required for specific welding certifications. This is a 2-year program where each year, students will receive 0.5-credit Occ. English 12, 0.5-credit Occ. Math, 0.5-credit Occ. Science, and 2.5 elective credits.

BOCES New Visions (Seniors Only)

For additional information about the New Visions programs offered at through BOCES, please click on the following link

<https://www.oneida-boces.org/instructional/career-technical-education/career-technical-education-programs/new-visions>

New Visions is a program for seniors that provides an insider's view of a professional field. The program places students in the actual institution where they are able to receive hands-on experience in that field. Students attend four mornings per week at various internship sites and one morning per week at the BOCES center for academics. The other half-day students attend classes at Waterville. The New Visions programs integrate English 12 (MVCC EN 110), Economics, and Government into the curriculum. Students earn 4.0 credits through the New Visions program. The credits are made up from: 1 credit for English 12 (MVCC EN 110), 1 credit for Economics/Government, and 2 credits for the concentration area they select. Students who enter the New Visions program must have completed at least two years of science and math and plan on studying at the postsecondary level. Students must apply and be selected for this program.

Students are able to choose from the following areas of interest:

- **NEW VISIONS BUSINESS MANAGEMENT** offers college-bound students the opportunity to explore a variety of business professions at local establishments.
- **NEW VISIONS COMMUNICATIONS** gives college-bound students the opportunity to work in a variety of communications settings, including public relations, marketing, journalism, television and radio.
- **NEW VISIONS EDUCATION** provides college-bound students the opportunity to explore many aspects of education in the elementary, middle, and high school settings.
- **NEW VISIONS ENGINEERING TECHNOLOGY** is an innovative program that gives college-bound seniors an in-depth look at different areas of engineering as they work with professionals in the field.
- **NEW VISIONS HEALTH PROFESSIONS** is designed for seniors who plan to enroll in college to study a health-related field. Students in the program explore a variety of health occupations on site at Faxon-St. Luke's Healthcare, as well as other health facilities. **Prerequisites:** Regents Living Environment/Biology and Chemistry are highly recommended.

- **NEW VISIONS VETERINARY SCIENCE** is for college-bound seniors and offers an opportunity to explore the various aspects of veterinary science and internships. General areas of instruction include animal behavior, animal handling and restraint, species and breed identification, animal anatomy and physiology, basic lab techniques, animal care, animal welfare, animal health and disease. **Prerequisites:** Regents Living Environment/Biology course is required and Chemistry is highly recommended.

Special Education Program

Waterville Central School District has made a commitment to provide all students a stimulating educational environment where everyone can learn, can succeed, and is valued. The Special Education Department works diligently to provide a full continuum of special education services as outlined in the Commissioners regulations. The following special education services are provided to students with disabilities in the Jr/Senior High School.

Consultant Teacher Services

This special education intervention accommodates the needs of a student with an identified disability. This service can be provided directly to the student or indirectly with a primary instructor (general education teacher). Both staff members collaborate regarding accommodations, modifications, techniques, and practices that will support and enhance the students' instruction within the general education classroom.

Resource Room Services

This service is provided by Special Education Teachers in small groups of students. Students receive specialized supplementary instruction based on their individual or unique needs. This instruction could include:

- support to assist students in reaching Individual Educational Goals
- specific cognitive strategies to utilize within classrooms
- compensatory skill development
- supplement to curriculum/content areas
- differentiated instruction
- development of self-advocacy skills

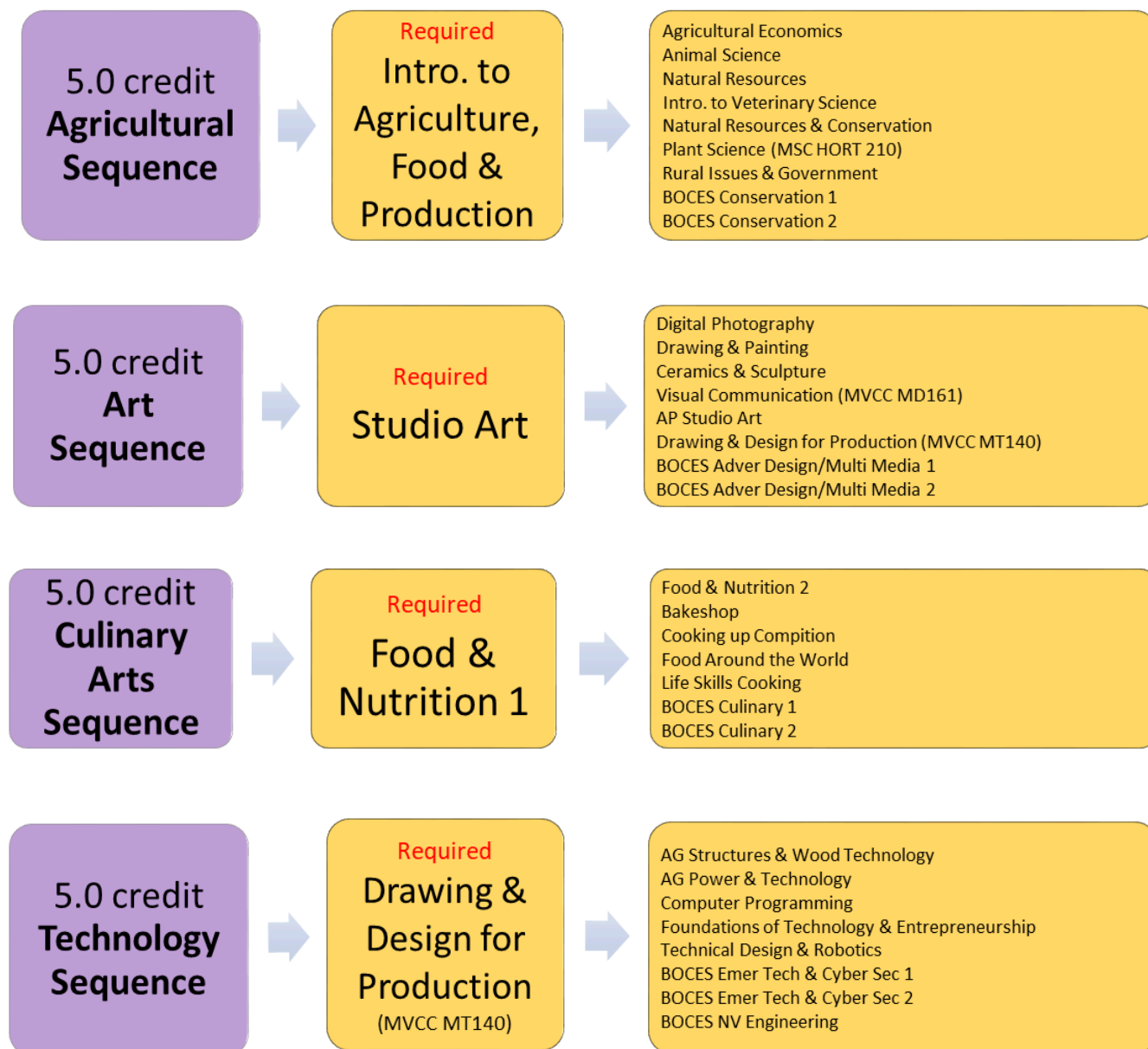
Self-Contained Classes

The Senior High also has 15-1 classes (depending on need) that are taught by Special Education teachers or a subject specific certified teacher along with a Special Education teacher. These special education classes are based on highly individualized needs of students with similar needs. Delivery of services is flexible, appropriate, specialized initiatives for delivering both primary and supplemental instruction.

All programs offered at the Jr/Senior High make every effort to provide all students with disabilities, experiences and opportunities that afford them participation within the school environment. These opportunities enhance the student's education and prepare them for post-secondary settings or the world of work. Transitional services are provided to prepare students for the move from the school setting to post-school activities.

Five-credit Sequence Options

A **Five-credit Agricultural, Art, Culinary Arts, or Technology Sequence** may be substituted for 3 credits of World Languages required for a New York State Regents with Advanced Designation. Many colleges require multiple years of a World Language as part of their admission requirements.



Grade 9 Course Registration Guide for 2026-2027

8th grade students will fill this out with their School Counselor during their individual meetings.

CRS#	COURSE NAME	CR D	ADDITIONAL INFORMATION
ENGLISH – Select one credit (4 credits of English and the ELA Regents Exam are required for graduation. The ELA is taken at the end of English 11.)			
256	English 9	1.0	
257	English 9H	1.0	
SOCIAL STUDIES – Select one credit (4 credits of Social Studies & the Global and US History Regents Exams are required for graduation)			
751B	Global History & Geography 9	1.0	
751BH	Global History & Geography 9 Honors	1.0	
MATH (3 credits & the Algebra Regents Exam is required for graduation. Geometry & Algebra 2 Regents Exams are required for Advanced Designation.)			
457	Pre-Algebra	1.0	
456	Algebra I	1.0	Prerequisite: Algebra 1
461	Applications of Geometry	1.0	Prerequisite: Algebra 1
470	Geometry	1.0	Prerequisite: Algebra 1 and passing the Algebra 1 Regents Exam
SCIENCE (3 credits & 1 Regents Exam are required for graduation. One additional Regents Exam is required for Advanced Designation.)			
701B & 702L	Life Science/Biology	1.0	Every day + Lab
705ES & 706L	Earth & Space Science	1.0	Every day + Lab
WORLD LANGUAGE (1 credit of World Language is required for graduation. 3 credits & the Checkpoint B Exam are required for Advanced Designation.)			
208	American Sign Lang 1	1.0	
305	Spanish 1	1.0	
308	Spanish 2	1.0	Prerequisite is Spanish 1
316	Chinese 2A	1.0	Prerequisite is Chinese 1C
FINE ARTS (All students are required to complete one credit in Fine Arts.)			
853	Drawing & Design for Production (MVCC MT140)	1.0	Dual-credit with MVCC
109	Studio Art	1.0	
503	Band 9-12	0.5	Alternate Day
507	Mixed Chorus	0.5	Alternate Day
513	Musical Theater	0.5	Alternate Day
Health & PE (All students must complete Health and Physical Education is required EACH year.)			
613	PE 9-12	0.5	Alternate Day
Electives			
402	Foods and Nutrition 1	0.5	Half Year
403	Foods and Nutrition 2	0.5	Half Year
851	Ag Power and Technology	1.0	
852	Ag Structures and Wood Technology	1.0	
877	Technical Design and Robotics	1.0	
880	Introduction to Ag/Food/Natural Resources (AFNR)	1.0	
520A	MiTech 9	4.0	This is a half day program at BOCES; 535 Occ English 9; 530 Occ Algebra 9 or 539 Occ DDP 9
587	P-Tech		This is a full day program at BOCES.
SUPPORT SERVICES			
	AIS English 9	0	AIS assigned based upon previous performance in English
	AIS Science	0	AIS assigned based upon performance on the Regents Exam
	AIS Global History	0	AIS assigned based upon previous performance in Social Studies
833	Resource Room Support	0	CSE determines Resource Room placement

Grade 10 Course Registration Guide for 2026-2027

9th grade students will receive this form during the Academic Planning Presentation. Students are expected to circle their choices and return the sheet to the counseling office by 2/26/26.

CRS#	COURSE NAME	CRD	ADDITIONAL INFORMATION
ENGLISH – Select one credit (4 credits of English and the ELA Regents Exam are required for graduation. The ELA is taken at the end of English 11.)			
258	English 10	1.0	
259	English 10H	1.0	
SOCIAL STUDIES – Select one credit (4 credits of Social Studies & the Global and US History Regents Exams are required for graduation)			
752C	Global History & Geography 10	1.0	
752AP	AP World History	1.0	
MATH (3 credits & the Algebra Regents Exam is required for graduation. Geometry & Algebra 2 Regents Exams are required for Advanced Designation.)			
456	Algebra I	1.0	
461	Applications of Geometry	1.0	Prerequisite: Algebra 1
470	Geometry	1.0	Prerequisite: Algebra I and passing the Algebra 1 Regents Exam
469	Intermediate Mathematics (MVCC MA115)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
468	Elementary Statistics (MVCC MA110)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
452	Algebra II	1.0	Prerequisites: Geometry and passing the Regents Exam.
454	Pre-Calculus (MVCC MA150)	1.0	Prerequisite: Algebra II
SCIENCE (3 credits & 1 Regents Exam are required for graduation. One additional Regents Exam is required for Advanced Designation.)			
705ES & 706L	Earth & Space Science	1.0	Every day + Lab
703 & 704	Chemistry	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
709 & 710	Physics	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
717	Anatomy	1.0	
895	Computer Programming	1.0	
705G	Physical Science	1.0	
882	Animal Science (MSC ANSC 100)	1.0	Prerequisite: Biology is recommended; Dual-credit with SUNY Morrisville
892TC3	Natural Resources & Conservation (TC3 ENVS101/102)	1.0	Dual-credit with Tompkins Cortland CC
714 & 708	AP Chemistry	1.0	Every day + Lab; Prerequisite: Chemistry
WORLD LANGUAGE (1 credit is required for graduation. 3 credits & the Checkpoint B Exam are required for Advanced Designation.)			
208	American Sign Lang 1	1.0	
209	American Sign Lang 2	1.0	Prerequisite is American Sign Lang 1
210	American Sign Lang 3 (HCCC HU 100)	1.0	Dual-credit with HCCC; Prerequisite is American Sign Lang 2
305	Spanish 1	1.0	
308	Spanish 2	1.0	Prerequisite is Spanish 1
309	Spanish 3	1.0	Prerequisite is Spanish 2
FINE ARTS (1 credit is required for graduation.)			
109	Studio Art	1.0	
110	Ceramics & Sculpture	0.5	Prerequisite is Studio Art
104	Digital Photography	0.5	Prerequisite is Studio Art
111	Drawing & Painting	0.5	Prerequisite is Studio Art

503	Band 9-12	0.5	Alternate Day
507	Mixed Chorus	0.5	Alternate Day
513	Musical Theater	0.5	Alternate Day
853	Drawing & Design for Production (MVCC MT140)	1.0	Dual-credit with MVCC
Health & PE (0.5 Health credit is required for graduation along with Physical Education being required EACH year.)			
353	Health 10, 11, 12	0.5	Alternate Day
613	PE 9-12	0.5	Alternate Day
Electives			
405	Child Psych	0.5	
406	Human Development	0.5	
402	Foods and Nutrition 1	0.5	
403	Foods and Nutrition 2	0.5	Prerequisite: Foods & Nutrition 1
411	Bakeshop	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
412	Life Skills Cooking	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
851	Ag Power and Technology	1.0	
852	Ag Structures and Wood Technology	1.0	
874	Foundations of Technology & Entrepreneurship	1.0	
880	Introduction to Ag/Food/Natural Resources (AFNR)	1.0	
520	MiTech 10	4.0	This is a half day program at BOCES; 545 Occ English 10; 542 Occ Algebra 10 or 548 Occ Geometry; 540 Occ DDP 10
SUPPORT SERVICES			
261AIS	AIS English	0	AIS assigned based upon previous performance in English
456AIS	Algebra 1 AIS		AIS assigned based upon performance on the Algebra 1 Regents Exam
705AIS	Earth & Space AIS	0	AIS assigned based upon performance on the Biology Regents Exam
701AIS	Biology AIS		AIS assigned based upon performance on the Biology Regents Exam
725AIS	AIS Global History	0	AIS assigned based upon previous performance in Social Studies
833	Resource Room Support	0	CSE determines Resource Room placement

Students who elect to enroll in Advanced Placement courses are required to take the accompanying AP exam in May.

Grade 11 Course Registration Guide for 2026-2027

10th grade students will receive this form during the Academic Planning Presentation. Students are expected to circle their choices and return the sheet to the counseling office by 2/4/26.

CRS#	COURSE NAME	CRD	ADDITIONAL INFORMATION
ENGLISH – Select one credit (4 credits of English and the ELA Regents Exam are required for graduation. The ELA is taken at the end of English 11.)			
260	English 11	1.0	
261AP	AP English Language & Composition	1.0	
SOCIAL STUDIES – Select one credit (4 credits of Social Studies & the Global and US History Regents Exams are required for graduation)			
758	U.S. History & Government	1.0	
760	AP U.S. History (MVCC HI111/HI112)	1.0	Dual-credit with MVCC
MATH (3 credits & the Algebra Regents Exam is required for graduation. Geometry & Algebra 2 Regents Exams are required for Advanced Designation.)			
456	Algebra 1	1.0	
461	Applications of Geometry	1.0	Prerequisite: Algebra 1
470	Geometry	1.0	Prerequisite: Algebra I and passing the Algebra 1 Regents Exam
452	Algebra II	1.0	Prerequisites: Geometry and passing the Regents Exam.
478	Consumer Mathematics	1.0	Prerequisite: Algebra I
469	Intermediate Mathematics (MVCC MA115)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
468	Elementary Statistics (MVCC MA110)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
454	Pre-Calculus (MVCC MA150)	1.0	Prerequisite: Algebra II
450	AP Calculus AB (MVCC MA151)	1.0	Prerequisite: Pre-Calculus
SCIENCE (3 credits & 1 Regents Exam are required for graduation. One additional Regents Exam is required for Advanced Designation.)			
703 & 704	Chemistry	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
709 & 710	Physics	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
717	Anatomy	1.0	
895	Computer Programming	1.0	
705G	Physical Science	1.0	
721	Field Studies	1.0	Prerequisite: successfully completed 2 science courses.
882	Animal Science (MSC ANSC 100)	1.0	Prerequisite: Biology/Living Environment is recommended; Dual-credit with SUNY Morrisville
892TC3	Natural Resources & Conservation (TC3 ENVS101/102)	1.0	Dual-credit with Tompkins Cortland CC
714 & 708	AP Chemistry	1.0	Every day + Lab; Prerequisite: Chemistry
WORLD LANGUAGE (1 credit is required for graduation. 3 credits & the Checkpoint B Exam are required for Advanced Designation.)			
208	American Sign Lang 1	1.0	
209	American Sign Lang 2	1.0	Prerequisite is American Sign Lang 1
210	American Sign Lang 3 (HCCC HU 100)	1.0	Dual-credit with HCCC; Prerequisite is American Sign Lang 2
211	American Sign Lang 4 (HCCC HU 101)	1.0	Dual-credit with HCCC; Prerequisite is American Sign Lang 3
305	Spanish 1	1.0	
308	Spanish 2	1.0	Prerequisite is Spanish 1
309	Spanish 3	1.0	Prerequisite is Spanish 2
312	Spanish 201 (MVCC SP201)	0.5	Half Year; Dual-credit with MVCC; Prerequisite is Spanish 3
313	Spanish 202 (MVCC SP202)	0.5	Half Year; Dual-credit with MVCC; Prerequisite is Spanish 3
FINE ARTS (1.0 credit is required for graduation.)			
109	Studio Art	1.0	
110	Ceramics & Sculpture	0.5	Prerequisite is Studio Art
104	Digital Photography	0.5	Prerequisite is Studio Art
111	Drawing & Painting	0.5	Prerequisite is Studio Art

117	Visual Communication (MVCC MD161)	0.5	Prerequisite is Studio Art & 1 additional art course
503	Band 9-12	0.5	Alternate Day
507	Mixed Chorus	0.5	Alternate Day
513	Musical Theater	0.5	Alternate Day
853	Drawing & Design for Production (MVCC MT140)	1.0	Dual-credit with MVCC
Health & PE (All students must complete 0.5 Health credit and Physical Education is required EACH year.)			
353	Health 10, 11, 12	0.5	Alternate Day
613	PE 9-12	0.5	Alternate Day
Electives			
405	Child Psych	0.5	
406	Human Development	0.5	
402	Foods and Nutrition 1	0.5	
403	Foods and Nutrition 2	0.5	Prerequisite: Foods & Nutrition 1
411	Bakeshop	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
412	Life Skills Cooking	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
851	Ag Power and Technology	1.0	
852	Ag Structures and Wood Technology	1.0	
874	Foundations of Technology & Entrepreneurship	1.0	
880	Introduction to Ag/Food/Natural Resources (AFNR)	1.0	
VOCATIONAL EDUCATION AT BOCES: A total of 4 credits are assigned to BOCES classes, which includes academic components as listed below			
550	Advertising Design /Multimedia Productions 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
522P	Animal Science (PM)	4.0	543 Occ English 12; 524 Occ Science
554	Auto Body Repair 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
556	Automotive Technology 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
566	Conservation 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
558	Construction Trades 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
583	Cosmetology 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
598	Criminal Justice 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
562	Culinary Arts 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
571	Early Child Ed 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
573	Electricity 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
575	Emerging Technologies and Cyber Security 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
549AM	Health Careers Exploration	4.0	543 Occ English 12; 536 Occ Math
595	Nursing Assistant	4.0	543 Occ English 12; 524 Occ Science
595-Hlth	Nursing Assistant (with Health)	4.0	543 Occ English 12; 524 Occ Science; 597 Occ. Health
577	Outdoor Power 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
560	Welding 1	4.0	543 Jr Occ English 12; 524 Jr Occ Science 12; 536 Jr Occ Math 12
SUPPORT SERVICES			
261AIS	AIS English	0	AIS assigned based upon previous performance in English
456AIS	Algebra 1 AIS		AIS assigned based upon performance on the Algebra 1 Regents Exam
705AIS	Earth & Space AIS	0	AIS assigned based upon performance on the Biology Regents Exam
701AIS	Biology AIS		AIS assigned based upon performance on the Biology Regents Exam
725AIS	Global History AIS	0	AIS assigned based upon previous performance in Social Studies
758AIS	US History AIS	0	AIS assigned based upon previous performance in Social Studies
833	Resource Room Support	0	CSE determines Resource Room placement

Students who elect to enroll in AP courses are required to take the AP exam in May.

Grade 12 Course Registration Guide for 2026-2027

11th grade students will receive this form during the Academic Planning Presentation. Students are expected to circle their choices and return the sheet to the counseling office by 2/4/26.

CRS#	COURSE NAME	CRD	ADDITIONAL INFORMATION
ENGLISH – Select one credit (4 credits of English and the ELA Regents Exam are required for graduation. The ELA is taken at the end of English 11.) Students who get selected for the New Visions Program will get English 12 (MVCC EN101) through that program.			
262	English 12	1.0	
266	AP English - Lit (MVCC EN101 & EN102)	1.0	Dual-credit with MVCC
SOCIAL STUDIES – (4 credits of Social Studies & the Global and US History Regents Exams are required for graduation)			
Economics – Select one (Students who get selected for the New Visions Program will get Economics through that program)			
889	Agricultural Economics (MSC AGBS110)	0.5	Dual-credit with SUNY Morrisville
756	Economics & Real World Finance	0.5	
Government – Select one (Students who get selected for the New Visions Program will get Government through that program)			
753	Government	0.5	
890	Rural Issues & Government	0.5	
MATH (3 credits & the Algebra Regents Exam is required for graduation. Geometry & Algebra 2 Regents Exams are required for Advanced Designation.)			
456	Algebra 1	1.0	
461	Applications of Geometry	1.0	Prerequisite: Algebra 1
470	Geometry	1.0	Prerequisite: Algebra I and passing the Algebra 1 Regents Exam
452	Algebra II	1.0	Prerequisites: Geometry and passing the Regents Exam.
478	Consumer Mathematics	1.0	Prerequisite: Algebra I
469	Intermediate Mathematics (MVCC MA115)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
468	Elementary Statistics (MVCC MA110)	0.5	Half Year; Dual-credit with MVCC; Prerequisite: Algebra I
454	Pre-Calculus (MVCC MA150)	1.0	Prerequisite: Algebra II
450	AP Calculus AB (MVCC MA151)	1.0	Prerequisite: Pre-Calculus
SCIENCE (3 credits & 1 Regents Exam are required for graduation. One additional Regents Exam is required for Advanced Designation.)			
703 & 704	Chemistry	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
709 & 710	Physics	1.0	Every day + Lab; Prerequisite: Successful completion of Biology and Earth & Space Science.
717	Anatomy	1.0	
722	Environmental Science (TC3 ENVS 101/102)	1.0	Dual-credit with Tompkins County CC
895	Computer Programming	1.0	
705G	Physical Science	1.0	
721	Field Studies	1.0	Prerequisite: successfully completed 2 science courses.
882	Animal Science (MSC ANSC 100)	1.0	Prerequisite: Biology/Living Environment is recommended; Dual-credit with SUNY Morrisville
892TC3	Natural Resources & Conservation (TC3 ENVS101/102)	1.0	Dual-credit with Tompkins Cortland CC
714 & 708	AP Chemistry	1.0	Every day + Lab; Prerequisite: Chemistry
WORLD LANGUAGE (1 credit is required for graduation. 3 credits & the Checkpoint B Exam are required for Advanced Designation.)			
208	American Sign Lang 1	1.0	
209	American Sign Lang 2	1.0	Prerequisite is American Sign Lang 1
210	American Sign Lang 3 (HCCC HU 100)	1.0	Dual-credit with HCCC; Prerequisite is American Sign Lang 2
211	American Sign Lang 4 (HCCC HU 101)	1.0	Dual-credit with HCCC; Prerequisite is American Sign Lang 3
305	Spanish 1	1.0	
308	Spanish 2	1.0	Prerequisite is Spanish 1
309	Spanish 3	1.0	Prerequisite is Spanish 2
312	Spanish 201 (MVCC SP201)	0.5	Half Year; Dual-credit with MVCC; Prerequisite is Spanish 3

313	Spanish 202 (MVCC SP202)	0.5	Half Year; Dual-credit with MVCC; Prerequisite is Spanish 3
FINE ARTS (1.0 credit is required for graduation.)			
109	Studio Art	1.0	
110	Ceramics & Sculpture	0.5	Prerequisite is Studio Art
104	Digital Photography	0.5	Prerequisite is Studio Art
111	Drawing & Painting	0.5	Prerequisite is Studio Art
117	Visual Communication (MVCC MD161)	0.5	Prerequisite is Studio Art & 1 additional art course
503	Band 9-12	0.5	Alternate Day
507	Mixed Chorus	0.5	Alternate Day
513	Musical Theater	0.5	Alternate Day
853	Drawing & Design for Production (MVCC MT140)	1.0	Dual-credit with MVCC
Health & PE (All students must complete 0.5 Health credit and Physical Education is required EACH year.)			
353	Health 10, 11, 12	0.5	Alternate Day
613	PE 9-12	0.5	Alternate Day
Electives			
405	Child Psych	0.5	
406	Human Development	0.5	
402	Foods and Nutrition 1	0.5	
403	Foods and Nutrition 2	0.5	Prerequisite: Foods & Nutrition 1
411	Bakeshop	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
412	Life Skills Cooking	0.5	Prerequisite Foods and Nutrition 1 required and 2 Recommended
851	Ag Power and Technology	1.0	
852	Ag Structures and Wood Technology	1.0	
874	Foundations of Tech & Entrepreneurship	1.0	
880	Introduction to Ag/Food/Natural Resources (AFNR)	1.0	
VOCATIONAL EDUCATION AND NEW VISIONS AT BOCES: A total of 4 credits are assigned to BOCES classes, which includes academic components as listed below. AM students will also be assigned to an AM BOCES Homeroom 538A for attendance.			
593	New Visions Business Mgmt	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
590	New Visions Communications	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
591	New Visions Education	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
594	New Visions Engineering	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
589	New Visions Health Professions	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
589-Hlth	New Visions Health Professions (with Health)	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ; 597 Occ. Health
599	New Visions Veterinary Science	4.0	533NV English 12 (MVCC EN101); 532NV Gov't & Econ
551	Advertising Design /Multimedia Prod. 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
522	Animal Science	4.0	543 Occ English 12; 524 Occ Science
555	Auto Body Repair 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
557	Automotive Technology 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
567	Conservation 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
559	Construction Trades 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
584	Cosmetology 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
596	Criminal Justice 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
563	Culinary Arts 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
572	Early Child Ed 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
574	Electricity 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
576	Emerging Tech and Cyber Security 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
549AM	Health Careers Exploration	4.0	543 Occ English 12; 536 Occ Math
595	Nursing Assistant	4.0	543 Occ English 12; 524 Occ Science
595-Hlth	Nursing Assistant (with Health)	4.0	543 Occ English 12; 524 Occ Science; 597 Occ. Health
578	Outdoor Power 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
561	Welding 2	4.0	543 Sr Occ English 12; 524 Sr Occ Science 12; 536 Sr Occ Math 12
SUPPORT SERVICES			
852	Learning Center	0	Assigned based upon performance in previous Classes
833	Resource Room Support	0	CSE determines Resource Room placement

Students who elect to enroll in AP courses are required to take the AP exam in May.

Waterville Clubs and Activities

ACADEMIC UNION (YEARBOOK)

The Academic Union is a school club that creates the yearbook for the current school year. Students in Academic Union learn many skills such as time management, prioritizing, reliability, and the responsibility of following through on tasks when others are depending on you. Students learn about photography, photoshopping, page layouts, yearbook themes, design ideas – putting together a yearbook from start to finish is full of tasks that get the creative juices flowing. It's very rewarding for students to have the physical proof to show for all of that hard work they put in over the course of the year. When anyone first starts a project, it's easy to get lost in all of the details. But being able to look back at the end and see your creation is a great feeling that gives students a strong sense of pride. Members also learn how to manage the book financially as well. Students are required to fundraise to lower the price of the overall yearbook for other students. Students capture the memories and events as they take place throughout the school year.

ART CLUB

Art club encourages and promotes the exploration of all forms of art, exposure to new media, and encourages a positive attitude towards experimenting, and exploring creative material. We will discuss the exposure of modern art and careers while encouraging the experimentation of new techniques outside of their perspective media classrooms. Suggestions for new media inclusion within the arts department will be taken and incorporated during club meetings. All students grades 9-12 are welcome to attend!

BIBLE CLUB

Bible Club offers students a welcoming space to explore faith and engage in meaningful discussions. Through Bible study and fellowship, participants develop a deeper understanding of Scripture and how it applies to their lives. All are welcome to join, regardless of background or level of knowledge.

COLOR GUARD

Color Guard performs choreographed dances and routines with various equipment including flags. They perform in conjunction with the marching band. Color Guard is open to students in grades 7-12. Rehearsals begin in and around March. Students are expected to perform in the Dolgeville, Sherburne, and Waterville Parades.

DRAMA CLUB

Drama Club is an extracurricular activity that is open to all students in grades 9 through 12. The objective of Drama Club is to help its members learn more about aspects of theater. This learning includes stage terminology, acting skills, set/prop building, costumes, hair/make-up design, as well as team building, responsibility, confidence and self-expression. Drama club begins in late June with sign-ups for the Fall show.

DRUMLINE

Drumline is a section of percussion instruments played while moving. This ensemble generally performs alongside the marching band. Students are expected to perform in the Dolgeville, Sherburne, and Waterville Parades. Band students in grades 7-12 are able to participate.

FUTURE FARMERS OF AMERICA (FFA)

FFA is the intracurricular leadership component of Agriculture Education. Senior high students must be enrolled in a class taught by the Agricultural Science Teacher in order to join FFA. (All ag students are “rostered” through NYS/ National FFA and may join by signing up locally at any time during the year.) All Waterville Junior High students are eligible to participate in FFA. FFA prepares members for premier leadership, personal growth and career success through agricultural education.

INTERNATIONAL CLUB

The International Club aims to promote global cultural awareness among our student body. We achieve this through the exploration and celebration of various cultural holidays and events; watching International movies; taking trips to local events such as International Art Exhibits in Utica; International or Cultural Series events at MVCC; visiting International restaurants and more! We have made informational posters to hang around the building to help inform students of how they can be more culturally aware, and hosted International trivia in the past. Our goal is to continue growing and we hope to expand to a study abroad program in the future.

JAZZ BAND

(September-July) High School Jazz Band and Jr. High Jazz bands each meet once weekly for an hour and a half to work on music of the jazz, rock, funk genre. They are then expected to perform at the 3 school concerts and the Sherburne Pageant of Bands in June. **Prerequisite:** Must be in band to participate unless homeschooled.

MARCHING BAND

Marching Band is a mixture of students from 7 - 12th grade for students who are currently enrolled in band. The group is active from January until July. We rehearse January until May once a week, for an hour and a half, with possible weekend rehearsals in May. Students are expected to perform in the Dolgeville, Sherburne, and Waterville Parades. **Prerequisite:** Must be in band to participate unless homeschooled.

MEN’S ENSEMBLE

This group is open to all male students in grades 9-12. This men’s choir rehearses after school one day per week. No credit is given for participation in this ensemble. Men’s Ensemble performs at all High School Concerts. Repertoire includes, but is not limited to: musical theatre, folk songs, madrigals, spirituals, pop, rock, and jazz standards.

MEDIA PRODUCTION & JOURNALISM

The Media Production & Journalism Club is responsible for the production of the Waterville Jr./Sr. High Eagle Eye, the school’s digital news magazine. Members attend weekly meetings to decide issue contents and stay abreast of publication needs. Students interested in design, writing, photography, videography, and editing will have that opportunity, but it is not necessary. Members will also assist with advertising and promotion.

MUSICAL PRODUCTION

The Musical Production rehearses from December through March with auditions held in November. This is an auditioned ensemble and rehearsals are after school, on weekends, and during vacations.

(Note: not every member needs to attend every rehearsal). There are various opportunities available both onstage and behind the scenes. **Prerequisite:** Mixed Chorus

NATIONAL HONOR SOCIETY (GRADES 10, 11, 12)

Members of the high school chapter of the National Honor Society work to embody the pillars of scholarship, service, leadership, character, and citizenship through community-based and civically engaged events. Students work to become better members of and contributors to our local community through completing individual service missions and working collaboratively on group projects. The organization emphasizes character-building and scholarship of its members, and the secondary student body, through its efforts. Students must be academically eligible according to the bylaws to apply for membership

NATIONAL JUNIOR HONOR SOCIETY (GRADES 7, 8, 9)

Students must be academically eligible according to the bylaws to apply for membership. Applications are then given to the Waterville National Honor Society Faculty Council, who reviews them based on the five pillars of the Honor Society, and the members are then chosen. The goal of this organization is to create enthusiasm to do well in school, to promote volunteer work and leadership, to develop character, and encourage good citizenship in the students of Waterville Jr/Sr High School.

OUTDOORS CLUB

The Outdoors Club offers opportunities for WCS students to enjoy activities in a safe nonjudgmental environment. It promotes well-being and challenges both the physical and mental. Anyone in grades 8-12 can participate in the club and events. Some trips are limited to high school students only, such as overnight trips or trips with age limits (i.e. whitewater rafting). Members recommend the events we do and help decide which trips to participate in. Members have the opportunity to fundraise and make money for trips and events. Members may receive discounts for trips based on attendance and participation. Clubs like the Outdoors Club provide opportunities for members to participate in activities that can offer challenges to both the physical and mental abilities of students. Meeting these challenges and successfully achieving goals can promote a better sense of being. Whether climbing a high peak, or completing a high ropes course, going to the ocean for the first time, playing a game with friends while camping, all these promote a better self. Participating in events with others of various backgrounds and working with others help us grow socially and emotionally.

PERCUSSION ENSEMBLE

This ensemble strives to develop both the musical skills of percussionists and non-percussionists through emphasis on music reading, listening to others to build ensemble skills, maintaining strong inner rhythm, and exploring multiple techniques. The ensemble's emphasis is on the process of making music in an ensemble situation and building the personal and group dynamics needed in this musical group. Applying a student's current skills and having fun with percussion is the goal. Requirements: Students must be 7-12th graders and perform at the High School Winter Concert and High School Spring Concert. Rehearsals are twice a week after school.

GSA

The purpose of the GSA is to celebrate and promote diversity throughout the Waterville Jr/Sr High School campus in students, faculty, staff, and community members. We will act as both a personal and social support for individuals within the Waterville school community who may be dealing with and/or

struggling with gender and sexuality issues. In addition, we hope to unite the community through education, create a dialogue that promotes human rights, and encourage an appreciation and celebration of diversity. Last year we had over 20 members and met bi-weekly. Events included the participation in The Day of Silence, and guest speakers from the QCenter during club meetings. We plan to hold more educational events and host holiday gatherings for all to feel welcome.

PRIZE SPEAKING

Prize Speaking is an extracurricular activity open to all high school students. Waterville hosts the oldest high school Prize Speaking event in the country. Students are required to memorize dramatic and comedic monologues or speeches and poems for presentation at an event held every November. Students compete for prize monies donated by the Waterville Rotary. Students gain important skills in memorization and presentation. This is a great way to build confidence and develop important life skills.

SKI CLUB

Students will learn to ski or snowboard during the six times the club meets throughout the winter. Students do not need to own any equipment as it can be rented at the mountain. Anyone that has outdoor cold weather clothing and is willing to learn something that lasts a lifetime is welcome!

STUDENT COUNCIL

The Waterville JSHS Student Council objective is to promote school-wide student activities that generate interest and spirit within the school. These activities will allow Student Council members to foster democratic values, interact with the instructional staff and administration, and provide opportunities for self-government and the management of their school. The Student Council consists of students who are elected/selected as representatives for grades 7-12. Waterville JSHS may request a project for consideration by the Student Council by presenting their request for their project, in writing, to any Student Council member. Project requests will be assessed by the faculty and administration to ensure the undertakings of the project are worthwhile.

SWING CHOIR

Swing Choir meets once a week for approximately two hours. Audition is required, and will occur the first Saturday of the school year. Swing Choir members are required to wear specified concert dress materials. This ensemble performs at all High School concerts as well as numerous concerts in the community. **Prerequisite:** Mixed Chorus

WOMEN'S ENSEMBLE

This group is open to all female students in grades 9-12. This women's choir rehearses after school one day per week. No credit is given for participation in this ensemble. Women's Ensemble performs at all High School Concerts. Repertoire includes, but is not limited to: musical theatre, folk songs, madrigals, spirituals, pop, rock, and jazz standards.