

Morrisville-Eaton High School
Course Selection Guide



2022-2023



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Procedures for Course Selection

This course selection guide is used to inform students and parents of the courses that Morrisville-Eaton High School intends to provide for the noted academic year. In addition to course descriptions, units of credit and any prerequisites are also included for each course. Student course requests may affect actual course offerings.

The building Principal determines the final master schedule.

This guide also provides information on high school graduation requirements, including mandated Regents exams.

School Counselors meet with students to create or update four-year plans. Your school counselor will help you work out problems you may encounter.

A copy of the student's course selection list will be sent home with students for parental approval. Parents should feel free to call the Counseling Center if questions arise, or if you do not get a copy of your child's course selection list. Phone 315-684-9196.

If you and your parents wish to change your plan, you must talk with your counselor.

Your performance for the rest of this year, along with your final grades in June, may cause a change in your program choices. Any courses failed that are required for graduation, will be scheduled for the next academic year, unless the master schedule does not accommodate the class.

This *Course Selection Guide* includes courses that are offered for students in grades 9-12 to earn credits or units of study at Morrisville-Eaton Central School District. Some courses are those that meet state requirements for graduation. Others are electives, or courses students may choose to take based on personal interest or to further career interests. Please note that the electives listed in the *Course Selection Guide* may not be offered every year. Electives are offered based on student interest and teacher availability.

Registration

All students new to the MECS District must register by August 20th to avoid delays in the first few days of school.

It is recommended that parents/guardians call to make an appointment to register a student(s). Parents are encouraged to bring their child(ren) with them. The following documents are required at time of registration: copy of birth certificate, immunization records, court documents, parent ID (i.e. driver's license) and proof of residency. A copy of the child's most recent report card and name, address, and phone number of last school attended would also be helpful.

Definitions

Unit of Study equals at least 180 minutes of instruction per week for the whole school year or the equivalent amount of instructional time.

Unit of Credit is earned in one of two ways:

1. Completing a unit of study with a passing grade. (65 or higher)
2. Obtaining a score of 85 or better on a state approved exam without the completion of a unit of study; and the successful completion of either an oral exam or a special project and **prior approval of the principal**. Credit obtained in this manner is limited to 6 1/2 units.

Intermediate Assessments are state tests of achievement that may determine the need for academic intervention services.

Regents Examination refers to the state achievement test based upon syllabi prescribed by the New York State Education Department.

Second Language means a language other than English.

Career & Technical Education (CTE) means all programs that provide academic and technical instruction in the content areas of agriculture, business & marketing, family and consumer sciences, health sciences, technology education, and trade and technical education.

Board of Regents is the supervisory bureau of the State Education Department.

Regents Action Plan refers to the “Part 100” of the Education Commissioner’s regulations.

Prerequisites are those courses or standards of achievement that should be completed by the student prior to requesting a course. Prerequisites, when applicable, are stated at the end of the course description.

Graduation Information

The Building Principal's Authority

The building principal has the authority to alter any of the rules and policies, not mandated by the Board of Regents, to fit the needs of the individual student.

Graduation Requirements

All students must successfully complete the following:

English, 4 Units

Social Studies, 4 Units

Science, 3 Units

Math, 3 Units

*World Language, 1 Unit of commencement level.

Fine Art, 1 Unit

Health, 1/2 Unit

Physical Education, 2 Units (must be taken every academic year)

Plus Elective Units to total 22 units minimum

**For a Regents Diploma with Advanced Designation, 3 commencement level units of a world language are required, or an approved alternative pathway.*

Regents Exams

Students will be required to pass Regents exams in the subjects indicated below in order to receive a New York State Diploma. (A student may choose a Pathway combination that alters the Regents exam requirements noted below)

One Math Regents Exam

Global History & Geography

One Science (Either a Physical Setting or Living Environment)

U.S. History & Government

English Language Arts

For a ***Regents Diploma with Advanced Designation*** students must pass these additional Regents exams:

All three Math Regents exams: Algebra Common Core, Geometry Common Core, and Algebra II Common Core

A Second Science (One from Living Environment and One Physical Setting)

A world language (This is a Regents Equivalency Exam, Checkpoint B, as of 2011-12 academic year) OR a 5-unit sequence in the arts or CTE.

MOBOCES Career & Technical Education Programs (CTE)

MECS, in conjunction with the Madison-Oneida BOCES, offers students a variety of CTE courses that are intended for use by students entering technical schools, colleges, or the labor force upon graduation. Students completing a two-year Career & Technical Ed. Program at BOCES will receive 7.5 credits.

Progress Toward Graduation

All students must take enough subjects each year to maintain progress toward the 22-unit requirement. **No student should have more than 1.5 achievement centers in their schedule.** For example: This means a student may have 1 achievement center for a day 1/3 rotation and 2 achievement centers for a 2/4 day rotation, but not 2 achievement centers every day.

Course Drops and Adds

Students will be allowed to drop or add an elective course during the **first three weeks** of the school year, or semester if the course starts second semester, provided that dropping the course will not result in the student having more than 1.5 achievement centers in their schedule. Dropping certain courses requires the approval of the Principal.

Grading System

Marks reflect the academic achievement of the student. When determining marks teachers consider a variety of factors including; tests, quizzes, homework, notebooks, projects, and class participation. Due to the differing nature of courses at the middle/high school, teachers weigh all these factors differently as is necessary for each course. Consequently, students should consult teachers to find out how they are being graded. Report card grades are based upon a 100% scale.

Report cards are sent home four (4) times per year. In addition to this, progress reports are also sent home four (4) times per year.

A schedule covering the marking periods and the interim reports can be found on the school calendar.

Honor Roll, Cumulative Average, and Class Rank

High Honor Roll = 91.5 Honor Roll = 84.5

At the end of each marking period the honor and high honor rolls are computed. Students with incomplete grades cannot be considered for honor or high honor status unless the incomplete course work is made up within five school days after the end of the marking period. Students with a failing mark in any subject cannot be included in the honor or high honor rolls.

Example of Honor Roll Computation

To calculate, multiply the grade times the frequency value (2 for classes that meet every day, and 1 for .5 credit courses that meet alternate days or are semester courses) and divide by the total frequency value.

English 9 = 90 X 2
Global History = 95 X 2
Algebra = 98 X 2
Biology = 92 X 2
Spanish I = 96 X 2
Band = 92 X 1
PE 9 = 95 X 1
Total = 1129/12 = 94.08

National Honor Society GPA-To be considered for the National Honor Society (NHS) students must have a minimum overall grade point average (GPA) of 90.00 prior to entering grade 11 or grade 12. This GPA cannot be rounded from 89.5, it must be 90.00 or higher. Students must complete an application and meet all other requirements for the National Honor Society in addition to the GPA requirement. All required materials will be reviewed by the NHS committee to determine induction.

Art

It is the aim of the art department at MECS to enhance the appreciation and importance of art in students' lives. For some students it is an opportunity to further their talents and creative abilities so that they may be able to pursue a career in the art field. For all students, art is an opportunity to increase perceptual awareness, become aware of the history of art, artists and their styles, and to have studio experiences with art media. Studio Art may also be used to fulfill the "Fine Art" requirement for graduation.

CN 641 Studio Art, 1 Unit

Studio Art is the foundation needed for an art sequence. This basic art elective is designed primarily for ninth & tenth grade students. This is a discipline-based course with emphasis on aesthetic perception, critical evaluation, understanding of cultural and historical influences, and studio experiences in different art media. Attention is paid to fostering good drawing abilities as a foundation for proficiency in other forms of expression in art such as painting, print making, ceramics, graphic design, and sculpture.

CN 643 Advanced Art I, 1 Unit

Advanced Art is designed for tenth, eleventh and twelfth graders as a continuation of Studio Art. It is an opportunity for students to master the theories of color and the Principles and Elements of Design and Art. They will also become more deeply involved in the process of creative thinking, freedom of expression, good craftsmanship, critical evaluation, and aesthetics. They will use the skills from the year before and the greater knowledge of The Principles and Elements of Design. This course requires the student to produce three pieces of finished, matted work every ten weeks (a marking period) and will include reading assignment and drawing exercise homework. Students are expected to follow the assignment sheets given and evaluate their own work using a rubric given with each project. This is a prerequisite for Advanced Art II. **Prerequisite:** Studio Art

CN 644 Advanced Art II, 1 Unit

Advanced Art II is for students that have mastered Advanced Art I and have shown a true interest and talent to be creative thinkers and skillful artists. This course reviews the Principles and Elements of Design. The expectations for students is that they incorporate the Principles throughout the year, critiquing and expressing their ideas and opinions about their work and others using the correct vocabulary and definitions. This course allows for more creative freedom as well as independence. It is a course for students who can self-monitor their time and challenge themselves as they are expected to produce 12 to 16 pieces of excellent finished pieces. Students enrolled in Advanced Art II have the opportunity to earn dual credit through MVCC for FA101 and FA105. See below for MVCC course descriptions. **Prerequisite:** Advanced Art I

MVCC FA 101 General Drawing

This course is offered through Mohawk Valley Community College as a 3-credit course. It introduces the tools, media and theory used in drawing for visual communication. Coursework includes both the study of fundamentals of perspective and the theory of light and shade as well as a survey of graphic representation. Classroom work consists of drawings that show line, value, tone, form, texture, space, and proportion.

MVCC FA 105 2D Foundation Design

This course is offered through Mohawk Valley Community College as a 3-credit course. It introduces the visual elements and principles of design. Emphasis is placed on compositional concepts and the mastery of a visual language. Course projects explore a variety of media, processes and techniques to provide a broad view of visual problem solving.

Advanced Studio Art, 1 Unit

Advanced Studio Art is an upper level course designed for the student who wishes to further develop skills and techniques that were introduced in Studio Art and Advanced Art I. This course is for those students who do not wish to take Advanced Art II, MVCC course FA 101 and FA 105. This course will help develop a portfolio for college. Students will be continually encouraged to expand their creative ideas as well as their technical potential using a variety of mediums. Advanced Art I is a pre-requisite for Advanced Studio Art.

CN 647B Ceramics, .5 Unit

Ceramics is offered to students that are interested in clay sculpture, hand building and throwing. The expectation is that students will finish three excellent pieces of pottery that are fired and glazed, each marking period. Students are expected to produce high quality pieces. Students are required to keep a sketchbook. Similar to the other advanced art courses, Ceramics is for students who can self-monitor their time and challenge themselves. **Prerequisite:** Studio Art

Agriculture

Introduction to Agriculture, .5 Unit

This course is designed for students in grades 9-10. In this course you will be completing hands-on experiences using plants, animals, natural resources, and agricultural tools. Your days in the classroom will involve communication with peers while exploring real world issues in agriculture. You will personalize your learning by exploring careers interesting to you. Throughout the course, you will plan experiences outside of school, identify potential awards, and seek out post-secondary schools or certification options and scholarships meeting your future career goals. The *Intro to Agriculture* course enables you to experience all fields of agricultural science and natural resources.

Natural Resource Conservation & Maple Production, 1 Unit

Students will learn what natural resources are and why they are important. Students will discuss the interactions between different components of ecosystems and the necessity of maintaining a healthy environment. Students will learn about the different organisms that make up ecosystems and gain an understanding of how management of natural resources is a vital role of agriculture. In addition, students will explore the maple sugaring industry, learn how to properly tap trees, bucket collect sap and processing with the use of a mobile evaporator. As well as explore different maple products and careers in the maple sugaring industry. Students will also define wildlife, explain the importance of wildlife and wildlife management. Students will gain an understanding of how wildlife is defined and the importance of these species to their environments, as well as the human population. Students will also explore the importance of wildlife management. Students will learn the distinctions between game and non-game species. Forestry students will learn what forestry is, why it is important, and future careers and professional organizations associated with this field. Students will be able to explain main areas of forestry, employment opportunities within the industry, and ways they can get involved with and learn more about forestry. **Prerequisite:** Intro to Agriculture

Animal Science, 1 Unit

Animal Science / Small Animal Care class covers the basis of animal care. Topics include animal healthcare, handling, disease, parasites, feeding, shelter, grooming and general small animal care. This course allows students entering the workforce after graduation from high school to pursue a career in the animal industry. **Prerequisite:** Intro to Agriculture

Horticulture/Landscape Management, 1 Unit

This is an introductory course in ornamental horticulture and greenhouse management. Students will learn fundamental skills relating to plant propagation, plant nutrition, floral arrangements, and greenhouse and nursery production. This class teaches the student how to propagate and grow plants. **Prerequisite:** Intro to Agriculture

Business and Marketing

Introduction to Business, ½ Unit

This course will provide a broad overview of basic business concepts. Students will learn about the decision-making process, business structures, basic economic structures and terms, target markets, marketing and advertising strategies, business ethics and global economies.

Career Development and Financial Management, ½ Unit

The focus of this course will be on students' preparation for entry into the work force. Students will gain an understanding of how to search for a career, obtain work permits, creating a resume, cover letter, and reference list, filling out an application, interview skills, and workplace etiquette. Students in this course will also learn about personal financial management topics such as payroll/tax documents, personal budgeting, checking accounts, savings, debit and credit cards, typical monthly bills, credit scores, insurance, and more.

Keyboarding and Computer Applications, ½ Unit

This course provides knowledge and practice of relevant computer skills and a foundation in the terminology and concepts of computer technology. Concepts focus on preparing for a technologically oriented society and using the computer as a tool for productivity, research, and communication. Experience is provided with a variety of software applications including word processing, spreadsheets, presentation software, graphics, file management, basic keyboarding skills, and desktop publishing.

Sports and Entertainment Marketing, ½ Unit (Prerequisite: Introduction to Business)

This course will provide students with a thorough understanding of the marketing concepts and theories that apply to the industries of sports and entertainment. Topics covered include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies. By studying these fundamental components of business, students will become more active and aware consumers and gain a greater understanding of the functions of business in any field.

Applied Principles of Business and Marketing, ½ Unit (Prerequisite: Introduction to Business)

This course allows students the opportunity to gain skills in basic business principles and practices including: the impact of global business, distribution channels, marketing of goods and services, consumer demand, advertising, product pricing, and inventory control. Students will analyze the sales process and financial management principles through hands-on activities. Students will be able to reinforce, apply, and transfer academic knowledge to a variety of relevant activities, problems, and settings in the world of business and marketing. Possible activities associated with this course would be establishing a school store, after-school snack shack, special community events, or community based independent work/job shadowing experiences, and will be based upon student interest.

Family & Consumer Sciences

Basic Foods, ½ Unit

This course covers the fundamentals of the art of cooking and the science of baking. Topics included are resource management, food production skills and techniques, food safety, and influences on food choice. Emphasis is on the proper use of the varied equipment and cooking processes utilized in a basic home kitchen. This course is primarily a laboratory-based course.

Basic Foods II, ½ Unit (Prerequisite: Basic Foods)

This course will build on the skills learned in the Basic Foods course. Focus will be on more advanced cooking and baking techniques, as well as in-depth investigation of the preparations of a variety of food products. Students will learn how food is interpreted and prepared by different cultures, as well as how to prepare meals for people with special dietary needs.

Food Science/Cooking Chemistry (Prerequisite: Basic Foods)

Food Science is designed to reinforce and enhance the students' knowledge of scientific principles and processes through the study of foods and nutrition. Topics investigated will be the nature of foods, causes of food product deterioration, principles underlying food processing, and the improvement of foods for the consuming public. Students will use common cooking techniques in performing experiments to gain an understanding of the chemical and physical reactions involved in food preparation, as well as the basic attributes of ingredients and cooking procedures.

Interior Design, ½ Unit (Prerequisite: Studio Art)

Interior Design is a course that addresses the needs of individuals by enhancing the environments in which they live and work. Students will learn skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry. Students will discover how interior designs reflect current trends, including the impact of societal and technological change and will follow a design from concept development through project proposal to design representation. Students in this course will develop design plans that illustrate creative use of the elements and principles of design and that showcase effective application of architectural elements and systems. Students will be exposed to the many possible career opportunities in both residential and commercial interior design.

English

*Through the study of literature, speech, and composition, students will increase awareness of solutions for problems in modern society. An individualized diagnostic program emphasizing competency in the spoken and written English language skills, as well as the understanding and interpretation of literature, prepares students for these problem-solving situations. New York State requires students to complete four years of English for high school graduation. These courses are sequential and should be taken in the order listed and only under exceptional circumstances be taken two in one year. *Students requesting HONORS level classes must meet the required criteria.*

CN 102 English 9, 1 Unit

English 9 helps students to improve critical reading and thinking skills and to write clearly and effectively. Students read and study poetry, short stories, novels, plays, and nonfiction. Several expository essays are written based on both student interest and class literature. A short research paper on a literary topic is also required. Grammar and usage are covered in conjunction with compositions. Vocabulary is studied both in and out of reading context.

CN 103 English 10, 1 Unit

This course will require students to think clearly and to express their thoughts in organized writing and speaking, expand their knowledge and understanding of the world and people through both fiction and nonfiction. Short stories, essays, poems, drama, and novels will be studied. Writing involves a continuation of what was practiced and developed in 9th grade. Some of the units will correspond with the content that is being taught in Global Studies.

CN 110 English 10 Honors, 1 Unit

The content of the honors class is very similar to the regular 10th grade course, however some of the novels and short stories are at a higher Lexile level and have more complex themes and more difficult vocabulary. Additionally, the supplementary nonfiction that will accompany the novels are longer (on occasion) and more difficult. The honors class will require students to do more reading and work outside of class. Students in this course will also do two independent reading projects. *Students must meet required criteria for enrollment in this course.*

CN 104 English 11, 1 Unit

The New York State Common Core Regents Examination in English is given in the 11th year, and the course is comprehensive, meaning it is testing the skills obtained from grades 9-11. It attempts to solidify skills including: reading comprehension, literary discussion, building essential vocabulary, spelling, library reference, correct use of grammar and composition skills including the argumentative essay. Literature is emphasized with work done on novels (fiction and non-fiction), short stories, poetry, drama, and essays. Writing involves polishing the types of writing required for the state tests and short research papers.

CN 111 English 11 Honors, 1 Unit

The New York State Common Core Regents Examination in English is given in the 11th year, and the course is comprehensive, meaning it is testing the skills obtained from grades 9-11. It attempts to solidify skills including: reading comprehension, literary discussion, building essential vocabulary, spelling, library reference, correct use of grammar and composition skills including the argumentative essay. Literature is emphasized with work done on novels (fiction and non-fiction), short stories, poetry, drama, and essays. Writing involves polishing the types of writing required for the state tests and short research papers. The honors level course will have a faster pace, more difficult literature, and increased emphasis on literary analysis/criticism. *Students must meet required criteria for enrollment in this course.*

CN 112 English 12, 1 Unit

The English 12 curriculum will focus on both classical and contemporary literature, vocabulary, writing, and critical thinking. Class discussion and written assignments will foster strong analytical and communication skills. Writing assignments will include numerous essays and a research paper designed to prepare students for future study.

British Literature, 1/2 Unit

In this class, you will read and learn about the beginnings of the English Language from those who experienced the world and wrote tales of adventure, heroes and history. This is for higher level readers who will commit to the reading and writing assignments.

English (Continued)

CN 116 Public Speaking, 1/2 Unit

This course will include tips to become a successful public speaker. Students will learn techniques that will be used to overcome fears of public speaking such as how to present yourself, projecting your voice, and how to engage with an audience. Students will do several varieties of speeches both individually, with pairs, and in small groups. Lots of interactive activities such as demonstrative (How To) speeches, debates, and readers' theater productions.

CN 117 Film as Literature, 1/2 Unit

This course is similar to an English class, except movies take the place of novels. Students will view, discuss, research, and write about films they view in class. The course will be organized into units, most of which will be based on themes. The course will begin with a study of the film industry; its development and evolution, the production process, and people who have impacted the industry. The course will continue with morality, remakes, modern America's media, education and empowerment, taking a stand, race/cultural diversity, gender roles/issues, and memorable moments that change lives. Students also have the option to choose units based on remakes, suspense thrillers, and war.

Women's Literature, 1/2 Unit

In this class, you will read works by and about women throughout history and what their personal experiences were in the society they were a part of. Students in this class will be expected to keep up with the reading and writing expectations of this class, and contribute to the development and choices of some of the assignments and literature.

Harry Potter and Philosophy, 1/2 Unit

This class is for lovers of anything and everything *Harry Potter*. So, it is assumed, but not required, that most people have either read the books, seen the movies, or done both. Nevertheless, the focus will be the magical world of *Harry Potter*. The units will be based on the *Harry Potter* series and may dabble in *Fantastic Beasts*, another series by J.K. Rowling. Our texts for the course will be *The Ultimate Harry Potter and Philosophy: Hogwarts for Muggles*, edited by Gregory Bassham, *Quidditch Through the Ages* by Kennilworthy Whisp (aka Rowling), and *Tales of Beedle the Bard*, also by Rowling. So fun and not a lot of work outside of class!

Health

Completing the New York State High School Health requirement is accomplished by completing the course entitled HS Health.

CN 610 HS Health, 1/2 Unit

It is the purpose of our health curriculum to allow each student two primary aims. The first aim is to understand and appreciate the value of total physical, mental, and social health. After this, the second aim is to acquire the knowledge that is needed to achieve and maintain such a state of well-being. Several topics covered include:

Mental Health, Substance Abuse,
Personal Health Care, Disease Prevention,
The Life Cycle, and Nutrition

Nutrition, 1/2 Unit

This elective course is offered to students in grades 9-12. The class will explore the following topics: How is Nutrition related to cancer and other diet-related diseases? What is My Plate? Students will learn how to follow a healthy eating lifestyle. Additionally, students will explore controversial documentaries about the food industry and research some of the healthiest countries in the world.

Personal Health & Wellness Seminar, 1/2 unit

Students in Health & Wellness will learn how to become more organized and will develop advanced study skills to help improve their academics. Other key topics taught in the class will include self-care techniques, nutrition, goal setting, interpersonal communication skills and conflict resolution. Students will also be able to practice stress management skills and explore fitness and its ability to manage stress and anxiety. Lastly, students will be given the tools to discover various ways to volunteer and the benefits of Community Service.

Physical Education

Physical Education

CN 502 PE, 1/2 Unit

CN 506 PE, 1/2 Unit

Physical education in grades 9 and 10 is geared toward the development of fundamental skills. Objectives of the program include neuromuscular development, interpretive development, and physical fitness through active participation in individual and team sports such as soccer, basketball, badminton, racquetball, orienteering, physical fitness, golf, dance, field hockey, touch football, volleyball, softball and track.

CN 503 11/12 PE, 1/2 Unit

CN 507 11/12 PE, 1/2 Unit

The primary emphasis of the physical education program for boys and girls in grades 11 and 12 will be on lifetime and recreational activities that the students may pursue after graduation. In addition, the opportunity for fitness development, as well as continued coverage of team and individual activities, will be retained.

World Language-Spanish

Spanish is offered in grades 8 - 12. To obtain a Regents Diploma with Advanced Designation, a student must complete three units in a language other than English and successfully complete a Local Assessment (Checkpoint B) at the end of the third unit.

CN 601 Spanish I, 1 Unit

This is an intermediate Spanish class for students who have completed Spanish 8 and/or have some prior language experience. Students expand their knowledge by exploring more in-depth vocabulary and grammar skills. Students will also examine the culture of Spanish-speaking countries. The basic program is a textbook, workbook, and other accompanying materials. This course involves regular assignments.

CN 602 Spanish II, 1 Unit

This is an intermediate Spanish class for students who have completed Spanish I and/or Checkpoint A. Spanish II puts a greater emphasis on more vocabulary and complex grammatical structures for higher level communication. This course involves regular assignments.

CN 603 Spanish III, 1 Unit

Students will focus on reviewing and perfecting their reading, writing, listening, and speaking skills in the target language. The course will culminate with the checkpoint B assessment. This course involves regular assignments.

CN 604 Spanish IV, 1 Unit

The main objective of Spanish IV is to prepare students who wish to take Spanish at the college level and/or study abroad. Students will explore the Spanish culture through a variety of media including film, art, music, and literature. The main goals of this course are to learn new vocabulary, build familiarity with grammar, gain confidence speaking in the target language about real life situations, and compare the culture of Spanish-speaking countries to the culture in the United States. Students enrolled in Spanish IV may have a once-in-a-lifetime opportunity to travel during Spring break of their senior year.

Literacy Research

CN 182 Information & Technology Literacy (ITL) -1/2 Unit

This course is REQUIRED for graduation by Morrisville-Eaton.

This course consists of familiarizing students with research skills, including online database and internet searching, accessing and extracting information, efficient and ethical use of information, and intellectual ownership of information ideals.

Students will be exposed to various types of information, resources (both print and electronic), and research strategies will be taught and applied throughout the year.

Evaluation of websites and media literacy will be covered extensively, and students will be required to complete in-depth research on various subjects/issues and current events throughout the year. The concept of plagiarism will be covered extensively, as well as different ways to avoid it.

Students will develop a familiarity with libraries in general and will be able to access information as they need it, for both academic purposes and for real-life situations.

Mathematics

The mathematics curriculum at Morrisville-Eaton Central School has evolved as the result of a continuing response to the needs and interests of our students and the requirements set forth by New York State. The primary goal of the math department closely parallels the New York State Learning Standards for Mathematics. We want our students to understand mathematics and become mathematically confident by communicating and reasoning mathematically, by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, geometry, algebra, data analysis, probability, and trigonometry.

CN 210A Common Core Algebra I, 1 Unit

The fundamental purpose of this course is to formalize and extend mathematics that students learned in the middle grades. Because it is built on the middle grades' standards, this is a more ambitious version of Integrated Algebra that has been generally offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. It is intended for all students and will cover the required topics in the New York State syllabus, culminating with a Common Core Algebra I Regents exam. Use of Graphing Calculator Required.

CN 215A Common Core Algebra A, 1 Unit

Common Core Algebra A encompasses the first half of the Common Core Algebra I curriculum. Students must take this course in addition to Common Core Algebra B to be eligible for the Common Core Algebra I Regents exam. Use of Graphing Calculator Required.

CN 223A Common Core Algebra B, 1 Unit

The focus of this course is the continuation of Common Core Algebra A. This course will culminate with the Common Core Algebra I Regents Exam. Use of Graphing Calculator Required

CN 235 Common Core Geometry, 1 Unit

The primary goal of this course is to provide an integrated approach to the study of geometric relationships. The following topics included in this program are: congruence and similarity of triangles and all polygons, transformations, coordinate geometry, formal and informal proofs and properties of triangles, quadrilaterals and circles, with finding the area/perimeter/circumference of each. It is a requirement that all students take the Geometry Common Core exam at the end of the course. **Prerequisite:** Successful completion of Common Core Algebra I

CN 236 Principles of Geometry and Algebra, 1 Unit

This course will provide students with an opportunity to explore concepts within the New York State Common Core Geometry curriculum, culminating with a locally generated final exam. Particular emphasis will be placed on students being able to construct mathematically valid algebraic arguments. Topics will include coordinate geometry, transformation, properties of triangles, quadrilaterals and circles, congruency and similarity of geometric figures. **Prerequisite:** Successful completion of Algebra.

CN 233 Advanced Algebra, 1 Unit

This course will provide students with an opportunity to explore concepts within the New York State Common Core Algebra II curriculum, culminating with a locally generated final exam. The goal of this course is to assist students with college math readiness and preparation for the math component of the SAT and ACT exams. Particular emphasis will be placed on students being able to construct mathematically valid algebraic arguments. Topics will include working with real, complex, quadratic, rational, irrational, exponential, logarithmic expressions and equations, and trigonometric functions. Use of a Graphing Calculator required.

Prerequisite: Successful completion of Common Core Geometry or Principles of Geometry and Algebra.

Mathematics (Continued)

CN 239 Common Core Algebra II, 1 Unit

The fundamental purpose of this course is to help students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students will build on their work with linear, quadratic, exponential functions and extend their repertoire of functions to include polynomial, rational, and radical functions. They will work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. This course is intended for the above average math student and will culminate with the Common Core Algebra II Regents exam. Use of Graphing Calculator Required.

Prerequisite: Successful completion of Common Core Geometry and Algebra I

MVCC MA150/Pre-Calculus, 1 Unit

This advanced mathematics full year course is developed to review and expand concepts from Algebra II. Students can receive both high school credit and 4 college credits (MVCC-MA150) through Mohawk Valley Community College with this dual credit course. College credit will be dependent upon students successfully passing the placement exam, course, and final exam. Major topics include: The Theory of Equations, Relations and Functions, Polynomial Functions, Exponent and Logarithmic Functions, Applications of Trigonometry, Conic Sections, Matrices, Vectors, and an Introduction to Calculus. Students who successfully complete this course should be prepared to take an applications-oriented course in college. Use of Graphing Calculator Required.

Prerequisite: Successful completion of Algebra II

MVCC MA 151/Calculus, 1 Unit

This advanced mathematics course is offered as a dual credit course. Students have the potential to earn both high school credit and college credit through Mohawk Valley Community College (MVCC-MA151-4 credits). College credit is dependent upon students successfully passing the placement exam, course, and final exam. This course strengthens students' understanding of functions in preparation for the process of differentiation and integration. Calculus concepts explored include limits and continuity, derivatives, definite integrals, trigonometric functions, and techniques of integration.

CN 224 Business Math/Financial Literacy, 1 Unit

This class fills the requirement for a third year of math. The intent of this class is to strengthen the math skills students will use in their everyday life. Topics include, but are not limited to, personal budgeting, savings and checking accounts, balancing a checkbook, creating Excel spreadsheets, investigating career interests, researching and presenting their "Dream Life." Use of a Graphing Calculator is helpful.

Music

The music program at MECS allows students to participate for elective credit or required Music/Art credit. Both vocal and instrumental music is available.

CN 620 HS Band, 1/2 Unit

There is a High School concert band of grades 9-12 at Morrisville-Eaton. Students perform at school concerts and community events. The band offers an opportunity to develop musical understanding and maturity by playing some of the world's most treasured works of music. Part of the curriculum of band is weekly small group or individual lessons. Although beginner instrumentalists are always welcome, it is highly recommended that students who join band at the middle or high school level without any prior experience discuss their options with the instructor before joining. Middle School Concert Band is for grades 6-8.

CN 615 HS Chorus, 1/2 Unit

The mixed chorus is open to all students in the high school in grades 9-12. The group performs a wide variety of music including both sacred and secular classical music, musical theater, and contemporary selections. They perform in school programs and community events. Students are required to attend three vocal lessons each marking period.

CN 624 Basic Guitar, 1/2 Unit

The basic guitar class is an elective for high school students wishing to learn the basics of playing the guitar. Students in the class will learn chords, strumming patterns, picking, and how to play a melody line on the guitar. This class is for the beginning guitar player.

Music Theory, 1/2 Unit

This course will help students to further their musical knowledge by studying the makeup, mathematics, and foundations of music and how it is developed. The second half of the course is comprised of the study of form and style. Students will analyze and compose the various forms studied.

Prerequisite: Completion of at least one year of high school band or chorus.

Science

The New York State Learning Standards have set high expectations for students graduating from New York State Schools in the twenty-first century. Students who have completed science classes will be expected to be able to use scientific inquiry methods to investigate questions both in and out of the classroom. The use of empirical evidence will be seen as the way to the best solutions and not just argumentation. Technology is seen as a significant enhancement of the investigative process and should be used where deemed appropriate. Students of the new century will have command of scientific concepts and principles and will be able to apply them in their everyday lives. Students will recognize the interconnected nature of science, math and technology and be able to use their knowledge of these processes to solve real-life problems and make informed decisions about their own lives.

CN 304 Biology, 1 Unit

This course is based on the requirements of the New York State Living Environment Regents syllabus. Students must complete a minimum of 30 hours laboratory experience to be eligible to take the Regents exam. The course consists of 7 units: unity and diversity of living things, maintenance of living things, human physiology, reproduction and development, genetics, evolution, and ecology. (Upon completion of the course students are required to take the NYS Regents exam in Living Environment)

CN 306 Earth Science, 1 Unit

This full-unit course is based on the requirements of the New York State Regents syllabus. Students must complete a minimum of 30 hours of laboratory experience to be eligible to take the Regents exam. This course consists of the following units: astronomy, geology, meteorology, mineralogy, weathering and erosion, geologic history, structural geography and energy and environment. (Upon completion of the course, students are required to take the NYS Regents exam in Physical Setting: Earth Science.)

Physical Science, 1 Unit

The goal of this course is to provide students with an understanding of general chemistry, physics, and earth sciences. There are labs associated with this course but no Regents exam.

CN 308 Chemistry, 1 Unit

This full-unit course is based on the requirements of the New York State Regents syllabus. Students must complete a minimum of 30 hours laboratory experience to be eligible to take the Regents exam. The course consists of twelve units: matter and energy, atomic structure, chemical bonding, the periodic table, mathematics of chemistry, redox and electrochemistry, organic chemistry, application of chemistry, nuclear chemistry and laboratory activities. (Upon completion of the course, students are required to take the NYS Regents exam in Physical Setting: Chemistry.)
Prerequisite: Successful completion of two units of Science and Geometry

CN 312 Physics, 1 Unit

This full-unit course is based on the requirements of the New York State Regents syllabus. Students must complete a minimum of 30 hours of laboratory experience to be eligible to take the Regents exam. This course provides the four major fields of physics; mechanics, waves, electricity and magnetism, and modern physics. (Upon completion of the course, students will be expected to take the NYS Regents exam in Physical setting: Physics.)

Prerequisite: Successful completion of or concurrent enrollment in Common Core Algebra II.

Anatomy and Physiology, 1 Unit

This is a higher-level course, recommended for juniors or seniors who have successfully completed, with an 85% final grade or higher, Biology, Earth Science, and (if taken as a senior) Chemistry.

This course focuses on human anatomy, taking an in-depth look into the structure of the body systems and how they function. The class also requires lab work to be done (not a separate lab section), including multiple dissections.

This is a Non-Regents course.

Science (Continued)

Astronomy, 1 Unit

This is a higher-level elective course open to juniors and seniors who have successfully completed Earth Science. This class focuses on the concepts and ideas in astronomy and covers topics from the history of astronomy to cosmology and the structure of the universe to our future in space and space travel. There are labs that are part of the course as well as evening sessions depending on the weather.

Earth Systems, 1 Unit

Earth Systems is a Non-Regents course including the scientific process, astronomy, seasons, maps, weather, weathering and erosion, minerals and rocks, earthquakes and volcanoes, geologic history, and natural resources. All lab activities will be accomplished in class. Successful completion of Living Environment class and Regents exam required. Teacher recommendation required.

Social Studies

*Students in all New York State schools must take Social Studies in grades 9-12 as part of their required course load. New York State Regents exams are given after the 10th grade Global Studies class and again following the 11th grade United States History class. All classes in this department incorporate the 5 "Learning Standards" established by the New York State Department of Education. These standards cover major themes in the history of New York State, the United States, and World History. Other areas of emphasis include Geography, Economics, Civics, Citizenship, and Government. *Students requesting Honors level courses MUST meet required criteria for placement in these courses.*

CN 402 Global History & Geography 9, 1 Unit

This course examines the geography, history, culture, economic systems, and political systems in different regions and societies throughout the world. Students will be expected to be able to interpret the past, act like historians using analytical techniques like corroboration, contextualization, and sourcing and be able to evaluate the perspectives and motives of historical figures. In this course students will evaluate the importance of the river valley civilizations, beliefs, the rise and fall of classic empires such as Greece and Rome. Students will have to identify the reasons why the Ottoman and Ming Empires, rise, fall and the factors that made them stable throughout history. This course also highlights the world trading networks like Silk Road and Trans Saharan Trade Route, the empires that are built in Eurasia, the rise of power in the Catholic Church during the Middle Ages in Europe, the Renaissance, and the rise of the Global Age.

CN 404 Global History & Geography 10, 1 Unit

A chronological study of the units of Global History which include the Middle east, Latin America, Africa, South/Southeast Asia, Western Europe, Russia, Eastern Europe, China and Japan. Global History 10 will examine the period from 1750 to the present. Topics within this time period will include physical and historical setting; dynamics of change; contemporary nations and cultures; economic development; and the areas within the global context. There will be substantial focus on industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The course will culminate with the New York State Regents in June.

SOCIAL STUDIES (Continued)

***CN 415 Global History 10 Honors, 1 Unit**

A chronological study of the units of Global History which include the Middle east, Latin America, Africa, South/Southeast Asia, Western Europe, Russia, Eastern Europe, China and Japan. Global History 10 will examine the period from 1750 to the present. Topics within this time period will include physical and historical setting; dynamics of change; contemporary nations and cultures; economic development; and the areas within the global context. There will be substantial focus on industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. The honors course will stress reading comprehension and interpretation, formal essay writing, as well as researching and writing pertinent information. Global 10 honors level will also include substantial discussion in class, where ideas, opinions, and time periods can be debated, discussed and assessed to determine their importance in shaping World practices and politics today. Global History 10 Honors will culminate with the New York State Regents Exam in June.

CN 406 U. S. History, 1 Unit

This United States History course is a survey of United States History from the Pre-Columbian period to present day. It will include a chronological study of U.S. History in general, but the emphasis in this course will be on the United States as a developing industrial and post-industrial nation. Constitutional government and legal issues surrounding Supreme Court Cases will be explored in depth, as will be the problems of a dynamic industrial society in an increasingly complex and technology-oriented world. This course will culminate in a New York State Regents in June. * (A section of U.S. History HONORS may also be offered.)

Social Studies 12:

CN 409 Economics, 1/2 Unit

Economics is a half unit course that is required for graduation. Students will use a variety of intellectual skills to demonstrate their understanding of how the United States and other societies develop economic systems and associated institutions to allocate scarce resources, how major economic decision-making units function in the U.S. and other national economies, and how an economy solves the scarcity problem through market and non-market mechanisms.

CN 408 Government, 1/2 Unit

Government is a half unit course that is required for graduation. Students will use a variety of intellectual skills to demonstrate their understanding of the necessity for establishing governments, the governmental system of the U.S. and other nations, the U.S. Constitution, the basic civic values of American constitutional democracy, and the roles, rights, and responsibilities of citizenship emphasizing avenues of participation.

Technology

CN 626 Technology I, 1 Unit

This material processing course is designed to give the learner a wide overview of materials and processes used to transform them. This course focuses on the classifying properties, and processes of materials and the selection of those materials to be used in applications. Learners should be concerned with processes and materials used in metals, woods, plastics, ceramics, and composites. This course demonstrates unchanging processes used on different materials, as well as specific processes used on certain materials. This course also offers selection process of the use of materials in different applications. Special attention is given to safety in the workshop environment. Major activities include analysis of materials and hands on projects. Furniture, small wood projects, sheet metal, welding, and safe techniques are used to process materials.

CN 627 Technology II, 1 Unit

Construction Systems is a 1 unit, forty-week course offered to all students. Construction systems explores how mankind shapes the world using current technology to provide solutions for society's needs. This course will explore the four fields of construction: Light Construction, Commercial Construction, Industrial Construction, and Civil Construction. Seventy-five percent of the course time will be spent on hands-on activities in a laboratory setting. Lab activities will center on the most common construction activities found in light and commercial construction. Careers within the construction trades will be explored throughout the course. Personal safety, energy use, conservation, and environmental issues are addressed as related to all fields of construction.

Prerequisite: Successful completion of Technology I.

CN 629 Design & Drawing For Production I, 1 Unit

These courses are designed to give beginning students a basic understanding of the universal language in industry. The student will learn how to visualize and graphically represent ideas and objects on paper in such fashion as would be done in an industrial situation. Any student, regardless of whether or not they intend to go into any industrially oriented career, will find many practical applications for these courses.

Design & Drawing for Production also offers Auto Cad, which is using the computer as a tool to produce drawings instead of using the standard drafting tools. Auto Cad is the industry standard and is, more often than not, the standard in most engineering schools and universities. This gives any student with career goals in either drafting, architecture, or engineering an excellent opportunity for hands on experience.

Design & Drawing for Production I can be used to fulfill the Fine Art requirement for students.

Introduction to Computer Science: Python Fundamentals, ½ Unit

This course is designed to offer an introduction to computer science to 10th, 11th, and 12th grade students. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science.

No prior computer science knowledge or experience is necessary for this course. The primary language for the course is Python. The course will consist of video lectures, daily programming exercises, longer coding assignments, regular quizzes, projects, and exams.

New Visions -Senior Year Only Programs

Madison-Oneida BOCES' New Visions programs are competitive, seeking highly motivated, academically capable, and mature high school seniors interested in exploring career options in specific areas of industry.

CN 840 Allied Health, 4 Units

The Allied Health Program places seniors in the highly challenging work environment of the Oneida Healthcare Center, where they will receive a firsthand, in-depth, overview of the health care field. Through observation within various departments of the hospital, students will learn what it takes to be successful healthcare professionals and how their training and education apply to real-life situations. Equally as important, students will gain an appreciation and understanding for the professional demands, busy work environment, and team spirit inherent to the delivery of quality patient care.

This program is an interdisciplinary approach. Students will study senior/college level English and social studies within the context of the health care industry. They will learn to interrelate academic and occupational skills, and how to apply them to diverse situations.

COURSE CREDITS: Students will receive two (2) units of health occupations, one (1) unit of English 12, and one (1) unit of social studies 12 credit for completion of this program.

Prerequisite: Completion of three (3) units of Regents level math and science.

CN 843 New Visions Professions, 4 Units

Students will be given an opportunity for worksite experience in their career goal area. Students will gain skills necessary for entry level employment while on the worksite. Student time is divided between work experience at the worksite and classroom instruction at the Rossetti Education Center. Entrance requirement: vocational application, home school counselor interview and recommendation and, vocational counselor interview.

COURSE CREDITS: Students will receive one (1) unit of English 12, (1) unit of social studies 12 and (2) units of New Visions CTE.

CN 853 New Visions Engineering, 4 Units

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

COURSE CREDITS: 1 unit of English 12, 1 unit of Government & Economics, 1 unit Engineering Pre-calculus or Calculus, 1 unit Engineering

New Visions Law, Government & Public Administration, 4 Units

This program will engage students in rigorous academic and college preparation activities, assignments, and projects. In addition to classroom learning, students will be on scheduled rotations through county and local government departments as well as the court. They are also exposed to workplace expectations through internships. Networking and interacting with professionals in a specific career field of interest affords students a unique advantage in preparing for college and their future careers in law, government, or public service.

COURSE CREDITS: Students will receive one (1) unit of English 12, (1) unit of social studies 12 and (2) units of Law, Government & Public Administration CTE.

Rossetti Education Center Course Offerings

A description of the courses offered by the Rossetti Education Center is available from your counselor. Most of these courses meet 1/2 day, for two years, and are open to juniors and seniors. The completion of a two year CTE program gives students 7.5 units. The course titles available are as follows.

CN 802 Conservation I, 2 Units
CN 803 Conservation II, 1.5 Units
CN 804 Equine & Animal Science I, 2 Units
CN 805 Equine & Animal Science II, 1.5 Units
CN 834 Graphic Design Technology I, 2 Units
CN 835 Graphic Design Technology II, 1.5 Units
CN 838 Engineering Science I, 2 Units
CN 839 Engineering Science II, 1.5 Units
CN 836 IT Systems/CISCO Net I, 2 Units
CN 837 IT Systems/CISCO Net II, 1.5 Units
CN 870 Health Related Careers I, 2 Units
CN 871 Health Related Careers II, 1.5 Units
CN 870A Health Related Careers: Advanced Health Science I, 2 units
CN 871A Health Related Careers: Advanced Health Science II, 1.5 units
CN 816 Cosmetology I, 2 Units
CN 817 Cosmetology II, 1.5 Units
CN 822 Early Childhood Education I, 2 Units
CN 823 Early Childhood Education II, 1.5 Units
CN 806 Carpentry I, 2 Units
CN 807 Carpentry II, 1.5 Units
CN 810 Heavy Equipment Operation I, 2 Units
CN 811 Heavy Equipment Operation II, 1.5 Units
CN 808 Electricity & HVAC I, 2 Units
CN 809 Electricity & HVAC II, 1.5 Units
CN 824 Automotive Collision Repair I, 2 Units
CN 825 Automotive Collision Repair II, 1.5 Units
CN 826 Automotive Technology I, 2 Units
CN 827 Automotive Technology II, 1.5 Units
CN 828 Outdoor Power Equip I, 2 Units
CN 829 Outdoor Power Eq. II, 1.5 Units
CN 818 Criminal Justice I, 2 Units
CN 819 Criminal Justice II, 1.5 Units
CN 820 Culinary Arts I, 2 Units
CN 821 Culinary Arts II, 1.5 Units
CN 872 Manufacturing Technology I, 2 Units
CN 873 Manufacturing Technology II, 1.5 Units

SUNY Morrisville-Online EDge Program Courses:

SUNY Morrisville will offer online, asynchronous course options through their **EDge** Program to eligible Juniors and Seniors. Courses offered for the 2022-23 academic year include:

Fall 2022 Semester: **Sociology 101 (3 credits)** Registration March 2022

Spring 2023 Semester: **Psychology 101 (3 credits)** Registration November 2022

Students will earn college credit for these courses from SUNY Morrisville upon successful completion of the course.

