

Oneida High School

Oneida City School District



Course Description Handbook

2024-2025



Working Together for Success



ONEIDA CITY SCHOOL DISTRICT

ONEIDA HIGH SCHOOL

educate • inspire • empower

Dear Parents and Students,

At Oneida High School, we believe that careful academic program planning is essential to assist students in reaching their full potential. The information contained within this Course Description Handbook is provided so that students, parents, and counselors can work together to achieve our goal to educate, inspire and empower students.

Within this handbook, you will find important information pertaining to course planning that includes:

- Graduation requirements established by the New York State Education Department
- Advanced Placement and College Credit Course Offerings
- BOCES Occupational Education and New Visions Programs
- Course descriptions, prerequisites, course credits and other policies

Regardless of each student's individual goal, it is the goal of Oneida High School to educate, inspire and empower students.

Sincerely,

Oneida High School Administrative Team



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Message from the OHS School Counseling Team:

The education of a student is a responsibility shared by parents, their child and the school. It is important for students and their parents to be fully informed about the new requirements for graduation and the courses available at Oneida High School. We hope this publication will be helpful as we work together to develop an appropriate academic program for each student.

Teacher recommendations, standardized test scores, past performance, interests and future plans are considered in the course selection process. Upon completion of the student/counselor scheduling conference, students will bring home a copy of the Course Selection Worksheet. This sheet will indicate the student's courses recommended by teachers and courses selected for the upcoming school year.

Students in eighth grade will have an opportunity to learn about high school program options and graduation requirements. Each student will have the opportunity to meet at the middle school with a counselor and high school teachers to establish a schedule for ninth grade.

Counselors are available to answer questions about the scheduling process as well as what might be required to achieve educational and career goals. We look forward to working with you this year.

2024-2025 School Counselor Email Contact and Breakdown:

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HOW TO USE THIS BOOKLET

The first portion of this booklet is designed to assist you in the scheduling process. In addition to defining general terms and graduation requirements, the booklet provides information regarding schedule changes, summer school, accelerated courses, weighting of grades and other policies/procedures. The second part of the booklet describes in detail, all of the courses which are offered at Oneida High School. As you read the course descriptions, please be aware of the following guidelines:

1. Some of the courses listed are not offered every year. The descriptions are included to assist you in sequence planning.
2. There may be exceptions to some of the grade level and/or suggested prerequisite information -- check with your counselor if you have questions.
3. The exam information refers to required tests. Your teacher may choose to give a local exam in addition to the required state test listed in the course description.
4. The Project Lead the Way program, preparing students for engineering careers, is located in the Technology Department.
5. Course availability is subject to change due to enrollment numbers.

THINGS TO KNOW ABOUT HIGH SCHOOL

Credit: A credit is what you earn when you pass a course. A subject that meets every day for the entire year earns one credit; a course that meets every day for half a year earns the student one half credit.

PASSING MARKS: The passing grade in all subjects is 65% or a "P" for pass.

REGENTS EXAMS: All students are required to pass a certain number of regents exams. More details can be found in the chart below.

SUGGESTED PEREQUISITE: A suggested prerequisite is a course we recommend you complete as a sensible requirement for another course.

REQUIRED AND ELECTIVE COURSES: In addition to some courses which all students are required to take in order to meet graduation requirements, there are opportunities for students to take courses of their own choosing (called electives) according to their own interests and needs.

ACCELERATED COURSES: In eighth grade, certain high school courses are offered to students who are ready to handle the work. Presently, Spanish 1, French 1, Algebra Accelerated, Studio Art I, and Living Environment can be taken in the middle school. The course(s) can earn high school credit for the eighth grader.

ADVANCED PLACEMENT ELECTIVES: (Must have teacher recommendation) Advanced placement courses are freshman college level courses which are taught by OHS faculty. College Credit may be granted by the college attended according to its policies and by the score earned on the AP exam taken in May. The exam cost is approximately \$97.00. There may be financial assistance for students who receive reduced or free lunches. Courses are offered in English Literature, American History, World History, French, Chemistry, Biology, Statistics, Calculus, Computer Science and Art, when there is sufficient enrollment.

DUAL CREDIT: Dual credit courses give students the opportunity to earn both high school and college credits through Mohawk Valley Community College. For all courses marked as dual credit, the college credit is pending on grades and attendance, college credit is not guaranteed.

OVERVIEW: Students must meet all the requirements set forth by New York State, including passing all Regents Examinations, and the requirements of the Oneida City School District to successfully graduate from high school. Students must earn a minimum of 22 credits in designated courses; these requirements are outlined below.

GRADUATION REQUIREMENTS

Subject	Regents w/ Advanced Designation		Regents Diploma and Local Diploma (Students w/ Disabilities)	
	Credit	Examination Requirements	Credit	Examination Requirements
English	4	<u>1 Exam</u> ELA Common Core	4	<u>1 Exam</u> ELA Common Core
Social Studies	4	<u>2 Exams</u> U.S. History Regents Global History Regents	4	<u>2 Exams**</u> U.S. History Regents Global History Regents
Mathematics	3	<u>3 Exams</u> Algebra Common Core/Regents Geometry Common Core/Regents Algebra 2 & Trigonometry	3	<u>1 Exam</u> Algebra
Science	3	<u>2 Exams</u> Living Environment Regents Physical Science Regents (Earth Science, Chemistry or Physics)	3	<u>1 Exam</u> Living Environment Regents –OR Physical Science Regents
Art or Music	1		1	
Health	.5		.5	
LOTE (Language other than English)	3*	<u>1 Exam</u> Level III, Checkpoint B Examination for Regents credit	1	
Physical Education	2		2	
Electives	3.5		3.5	
Total Credits Required	22		22	

Advanced Designation: Students must pass any one of the following combinations of Regents examinations:

A. Traditional B. Pathway C. STEM (Math) D. STEM (Science)

* A student must also pass either a locally developed Checkpoint B LOTE examination or complete a 5- credit sequence in the Arts or CTE.

A. Traditional Combination: ELA, Global History and Geography, US History and Government, 3 mathematics, 2 sciences, 1 must be life science and 1 must be physical science) = 8 Assessments

B. Pathway Combination (other than STEM): ELA, 1 social studies, 3 mathematics, 2 sciences (1 must be life science and 1 must be physical science), and either 1 Pathway (other than science or mathematics) or meet requirements for the CDOS Commencement Credential = 7 or 8 Assessments

C. STEM (Mathematics) Pathway Combination: ELA, 1 social studies, 4 mathematics, 2 sciences (1 must be physical science) = 8 Assessments

D. STEM (Science) Pathway Combination: ELA, 1 social studies, 3 mathematics, 3 sciences (1 must be life science and 1 must be physical science) = 8 Assessments

Math and/or Science Mastery Endorsement: To receive this endorsement, students on the Regents with Advanced Designation track must successfully complete all required coursework and examinations. Students must obtain an 85 or higher on three NYS Regents examinations in the subject area they wish to obtain Mastery in (Mathematics/Science or both). Doing so will earn the student an annotation of Mastery on their diploma.

Career and Technical Education Endorsement: Students have an opportunity to earn a CTE seal of endorsement on their diploma. To qualify, students must complete a minimum five-credit series of approved courses at BOCES and pass an associated technical assessment.

SCHEDULING GUIDELINES

1. **Scheduling Load:** All students are required to take an equivalent of five and a half credits per year.
2. **Schedule Changes:** Much work has been put into the proper development of each student's schedule prior to the beginning of the school year. It is therefore expected that students remain in the courses that have been chosen as part of their schedules which were developed cooperatively by counselors, students and parents. It is believed that the decision to enroll in specific courses involves a commitment to those courses. See BOE Policy for specific schedule change guidelines.
3. **Course Withdrawal:** After the two week window for a semester course, and a five week window for a full year course, students who request to drop a course will not be approved. Only extenuating circumstances discussed at a meeting with the student, parent, principal and school counselors will allow for students to potentially be dropped from a course after these dates. Final decision will be made by the School Principal.
4. Requests for a schedule change must be made in writing and approved by the principal using the appropriate forms from the Counseling Office.

REGENTS AND LOCAL COURSES: At Oneida High School, three types of courses are offered to accommodate the diversity of students' abilities: Advanced Placement, honors and Regents courses.

- Courses considered to be at the Regents level are for the large majority of students who are of average ability and are doing work at, or above, grade level. In addition, Advanced Placement courses are available for those students whose class work and test scores are regularly and significantly above average. Teacher recommendations are required for those advanced courses, with rigorous curriculum content and expectations for analytical thinking which appropriately challenge the student.
- Students are not locked into a program-anyone may take a Regents level course in one area such as math and be in a local level course in English or social studies. Since all courses are identified as either Regents or local level courses on the transcript, students are encouraged to take as many Regents courses as are appropriate for the best college/work preparation.

CDOS Credential

Students who are unable to earn a regular diploma may graduate with the NYS Development Occupational Studies (CDOS) Commencement Credential as their only existing credential. The NYS CDOS Commencement Credential certifies a student has the standards-based knowledge and skills necessary for entry-level employment. The credential is also available for the 4+CDOS pathway option for a high school diploma if the student meets the graduation course and credit requirements. Eligibility for this credential will be reviewed yearly.

Seal of Civic Readiness

The Seal of Civic Readiness is a formal recognition that a student has attained a high level of proficiency in terms of civic knowledge, civic skills, civic mindset, and civic experiences. The Seal of Civic Readiness distinction on a high school transcript and diploma:

- shows the student's understanding of a commitment to participatory government; civic responsibility and civic values;
- demonstrates to universities, colleges, and future employers that the student has completed an action project in civics or social justice; and
- recognizes the value of civic engagement and scholarship.

See your counselor or social studies teacher for more information

HONOR ROLL

Each marking period, students who have earned honor and high honor roll recognition will have their names posted. To make honor roll, a student must carry at least six credits and have no incomplete grades. High honor roll requires a 90% or better average; honor roll requires at least an 85%.

COURSE CREDIT

Students obtain credit for their courses by earning an overall passing average in each course. This average is called the "promotional average" and is determined by averaging the midterm exam and final exam along with four report card marking period grades. Passing only the high school exam or Regents exam does not guarantee passing the course. A promotional average of 65 or higher is necessary to pass a course.

GPA WEIGHTING

Please see BOE Policy 8011 on OCSD Website

RECEIVING CREDIT FOR FAILED COURSES

A student may earn credit for a previously failed course in the following ways:

1. The student may attend summer school and pass the course.
2. The student may repeat the course for an entire school year and pass the course.
3. In courses where the Regents exam is the final exam, a student may repeat the course for only one semester, if the student has already passed the Regents exam.
4. A student may "test out" of a course he/she is repeating. The student must have a passing overall grade for both marking period one and two to be eligible to "test out."

DOUBLING OF COURSES

Students may double up in English, Social Studies, Science or Math. Doubling of courses must be a student's choice & have parent permission. Final approval is decided by the School Principal & discussed with school counselors.

ELIGIBILITY FOR SUMMER SCHOOL AND NIGHT SCHOOL

Summer school and night school is offered (tentative on a yearly basis). Night School and summer school enrollment is limited and with recommendation from SAT committee.

COURSE CREDIT WITHOUT COURSE ENROLLMENT

It is recognized on a statewide level that students may earn a maximum of 6.5 units of credit for either Regents or local level course study without being enrolled in those courses (challenge credit). It is also recognized that the criteria for approval to honor such requests will differ from school to school throughout the state.

At Oneida High School, the criteria for admission of such pupil requests will be determined and adopted after input is received from the faculty, department chairpersons, counselors, assistant principal, principal and superintendent.

Although each department has its own specific criteria for admission and specific requirements for credit approval, the general set of criteria which a student must first meet for qualification is as follows:

1. Written submission of the completed "Course Challenge Form" for each course requested.
2. Signed approval by the high school principal (Course Challenge Form).
3. The requested course must be an advanced course to any that have been completed prior to the request.
4. The student must have successfully completed at least one full semester at our high school.
5. A minimum average of 90% must have been maintained in the discipline area of the request.
6. the student achieves a score of at least 85 percent, or its equivalent as determined by the commissioner, on a State-developed or State-approved assessment pursuant to section 100.2(f) of this Part;
7. Standardized test scores must reflect a potential for success in the discipline as interpreted by the counselor.
8. All final examinations will be administered at normal/routine testing calendar dates.
9. The principal will grant credit after consultation with the teacher of the course, department chairperson and counselor after successful completion of all criteria is determined.

EARLY GRADUATION

Some students may be interested in accelerating the date of their high school graduation. Parent involvement and consent must begin by 10th grade. Eligibility must be determined with the appropriate counselor. After the student and parent/guardian complete applications, they are reviewed in a parent conference with the principal before approval is granted.

RELEASE OF INFORMATION

Students who wish to have the school provide transcripts to colleges or employment offices must put in a written or electronic request (i.e.: Common Application). In order to protect the integrity of all transcripts, only mailed/uploaded transcripts will be official. All transcripts hand-carried will be marked unofficial. ACT/SAT and AP Exam scores are on transcript as a courtesy to the student. If you wish to have them removed, we must receive this request in writing.

REPORT CARDS

Report cards will be issued to students via mail, and available on parent and student portal. Any parent who wishes to have additional information regarding academic status should contact the Counseling Office at 363-6901 option 3.

STUDENT ATHLETICS AND NCAA REQUIREMENTS

Students who intend to compete in college athletics at the Division I or II level need to be aware of program requirements. A detailed listing of the requirements is available in the counseling office or on the internet at www.ncaa.org. Potential college athletes need to enroll in college prep courses in high school in order to qualify. Not all classes qualify as core courses. Discuss your options with your counselor to plan the most appropriate program of study.

<u>DIVISION I</u> <i>16 CORE-COURSE</i>	<u>DIVISION II</u> <i>16 CORE-COURSE</i>
4 years of English	3 years of English
3 years of mathematics (Algebra 1 or higher)	2 years of mathematics (Algebra 1 or higher)
2 years of natural/physical science	2 years of natural/physical science
1 year of additional English, math	3 years of additional English, math or natural/physical science
2 years of social science	2 years of social science
4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)	4 years of additional courses (from any area above, foreign language religion/philosophy)

******All of the following courses are tentative, and not guaranteed to be offered next year. MVCC College credit availability is under review and subject to change.******

ART

STUDIO ART	1 Credit	Grade 9-12	* Local Exam
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Studio Art is a hands-on, foundation course where students explore a range of art materials, skills, and practices. Students will explore the elements of art and principles of design through drawing, painting, printmaking, and three-dimensional art practices. In this project-based course, students will gain critical thinking, problem-solving, and visual communication skills that are fundamental in today's world. This course fulfills the graduation requirement in the Fine Arts.

8th grade students are eligible to take this course for credit as an accelerated option with teacher recommendation.

STUDIO ART ACCELERATED	.5 Credit	Grade 9-12	* Local Exam
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This is a semester course for students that took Studio Art in 8th grade. This course is the continuation of the second part of full-year Studio Art course. Students that complete this course can take MVCC General Drawing course in the spring semester of 9th grade and gain college credit.

DRAWING AND PAINTING	1 Credit	Grade 10-12	* Local Exam
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PREREQUISITE: Studio Art 1 and 2

This is a hands-on studio course where students will explore a variety of tools, techniques, and processes through studio projects in a variety of drawing and painting media. Students will develop skills in the creative process and visual communication. Work created in this course will be used to develop the student's art portfolio.

CERAMICS AND SCULPTURE	1 Credit	Grade 10-12	* Local Exam
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PREREQUISITE: Studio Art 1 and Studio Art 2

This is a hands-on studio course where students learn about and explore a variety of tools, techniques, and processes through studio projects in ceramics and sculpture. This course involves creative problem solving with structure, construction, and form. Work created in this course will be used to develop the student's art portfolio.

COMPUTER GRAPHICS	.5 Credit	Grade 10-12	* Local Exam
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PREREQUISITE: Studio Art

In this project-based course, students will be introduced to and use Adobe Photoshop, Adobe Illustrator, and other programs to create and manipulate digital images. Projects will focus on the elements of art and principles of design and include typography, designing logos, advertisements, posters, and other aspects of design generation. It's recommended that students taking this course, follow this course with MVCC Digital Applications.

ADVANCED ART COURSE INFORMATION

ADVANCED WHEEL THROWING	.5 Credit	Grade 11-12	
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PREREQUISITE: Studio Art and Ceramics/Sculpture

This is an advanced wheel-throwing course that will give students an opportunity to further develop their skills on the potter's wheel. Through various demonstrations, self-critiques and group critiques, students will sharpen their skills on the potter's wheel and will learn to make a variety of functional and non-functional forms. A strong motivation and professional work ethic are necessary for success in this course.

MVCC DIGITAL APPLICATIONS (GD 145)	.5 Credit 3 College Credits	Grade 10-12	* Local Exam
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PREREQUISITE: Studio Art 1, Studio Art 2, Computer Graphics

This course introduces contemporary text manipulation, digital imaging, and digital illustration software. Students produce projects demonstrating their knowledge of both the software and interfaces between page layout, raster graphics, and vector graphics. *WEIGHTED*

MVCC VISUAL COMMUNICATION (MD 161)	.5 Credit 3 College Credits	Grade 10-12.	*Local Exam
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PREREQUISITE: Studio Art

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. *WEIGHTED*

MVCC GENERAL DRAWING (FA101)	.5 Credit 3 College Credits	Grade 11-12	* Local Exam
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PREREQUISITE: Studio Art 1, Studio Art 2, Drawing & Painting and/or Sculpture & Ceramics

This course introduces the tools, media, and theory used in drawing for visual communication. Coursework includes both the study of fundamentals of perspective and the theory of light and shade, as well as a survey of graphic representation. Classroom work consists of drawings that show line, value, tone, form, texture, space, and proportion. *WEIGHTED*

MVCC FOUNDATION AND DESIGN (FA105)	.5 Credit 3 College Credits	Grade 11-12	* Local Exam
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PREREQUISITE: Studio Art 1, Studio Art 2, Drawing & Painting and/or Sculpture & Ceramics

This course introduces the visual elements and principles of design. Emphasis is placed on compositional concepts and the mastery of a visual language. Course projects explore a variety of media, processes, and techniques to provide a broad view of visual problem solving. *WEIGHTED*

AP ART AND DESIGN	1 Credit	Grade 12	*Portfolio
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PREREQUISITE: Studio Art 1 and Studio Art 2, Drawing & Painting and/or Sculpture & Ceramics, MVCC General Drawing and Foundation Design

AP Art and Design is a college-level art course that requires students to develop the skills that artists and designers use, and create a portfolio of work assessed by the College Board.

Students will need to manage their time, work independently, and to closely monitor the quality of their work. These skills are empowering and are useful in any career. If successful, by the end of this course the student should receive college credit, have the experience of working at a college-level caliber, and create a promising portfolio. * Portfolio Choices are Drawing, 2D, and 3D. *WEIGHTED*

BUSINESS

MVCC PERSONAL FINANCE (BM 108)	1 Credit 3 College Credits	Grade 11- 12	* Local Exam
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Can be used as a third credit of math.

This course teaches the fundamentals of personal finance. Students learn how to create a financial plan, manage personal finances and reach personal financial goals. Topics include: establishment of financial objectives (home ownership, education, and retirement), budgeting and savings, personal income tax, investments (stocks, bonds, and mutual funds), insurance, retirement and estate planning. The effective management of credit is also covered. *WEIGHTED*

MVCC INTRO TO BUSINESS (BM100)	.5 Credit 3 College Credits	Grade 9-12	* Local Exam
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This course covers two areas: The working citizen and personal resource management. Course content as it relates to the working citizen, includes: choosing a career, finding and applying for jobs, resume and cover letter, interviewing, beginning a new job and attitude in the workplace. Course content as it relates to personal resource management includes; maintaining personal finances including checking accounts, consumer protection and our individual role in the U.S. and global economy. *WEIGHTED*

MVCC COMPUTERS IN SOCIETY (IS101)	.5 Credit 3 College Credits	Grade 9	* Local Exam
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Students will gain a general understanding and correct use of the computer keyboard. Students will input, edit, save, retrieve and print information on the computer using Microsoft Office Suites. The main emphasis will be in preparation of a research paper including works cited and outlines, creating spreadsheets containing basic formulas and charts/graphs and creating an effective PowerPoint presentation. Students will complete a culminating project utilizing these programs researching careers that interest them. Areas of focus will include: job description, education/training needed, where to obtain education/training, average salary/wage, and where jobs are most plentiful for each. *WEIGHTED*

MVCC SPREADSHEETS AND APPLICATIONS (IS 200)	.5 Credit 3 College Credits	Grade 9-12	* Local Exam
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PREREQUISITE: Microsoft Computer Applications I

This course will extend the knowledge of the student who is already familiar with electronic spreadsheets. Various spreadsheet packages will be examined. Popular software packages will be chosen to illustrate the similarities and differences among the electronic spreadsheets. Students will cover intermediate and advanced spreadsheet techniques, including exploring the power of functions in depth, using analytical graphics, and writing macros to automate their spreadsheets. The course will be taught in a lecture and laboratory format. Each student will be required to take examinations and complete projects on the computer. *WEIGHTED*

MVCC FINANCIAL ACCOUNTING (AC 115)	1 Credit 3 College Credits	Grade 10-12	*Local Exam
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This course is the first of a sequence that explores fundamental accounting principles, concepts and practices as a basis for the preparation, understanding and interpretation of accounting information. This course covers the complete accounting cycle for service and merchandising businesses through the adjustment and closing process and preparation of the income statement, statement of owner's equity, and the balance sheet. The details of accounting for cash, receivables, inventory, long-lived assets and current liabilities will be explored. *WEIGHTED*

ACCOUNTING 2	1 Credit	Grade 11- 12	* Local Exam
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PREREQUISITE: Accounting 1

This course is an extension of the Accounting 1 course and is designed to develop the occupational skills and knowledge needed to prepare students who expect to pursue a career in Accounting or Business Administration/Management. Students will be involved more extensively in accounting topics such as corporate accounting, inventory control, depreciation of plant assets and extensive income tax preparation training. Students will also use the Internet to conduct searches of Fortune 500 companies and then use state-of-the-art technology to present the financial data of a business.

MVCC PRINCIPLES OF MARKETING (BM 120)	.5 Credit 3 College Credits	Grade 11- 12	* Local Exam
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This course is a step by step journey through the world of marketing. Businesses spend over \$200 billion dollars per year on advertising. Students get a hands-on appreciation of the overall marketing strategy including product development, pricing strategies, distribution and advertising and promotion. By studying these fundamental components of business, students will be better prepared to enter work in any field, and also will become a more active and aware consumer. Students could potentially earn both high school credit and college credit from MVCC. *WEIGHTED*

MVCC FOUNDATIONS OF SPORT MANAGEMENT (SM101)	.5 Credit 3 College Credits	Grade 11- 12	* Local Exam
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PREREQUISITE: MVCC Principles of Marketing (BM 120)

This course is designed so that students who have completed MVCC Principles of Marketing, can apply the concepts to two of the largest industries in the United States. Get an inside look at how these industries function as businesses. See how other businesses capitalize on the tremendous power of sports and entertainment in our culture, and how athletes and entertainers play a key role. *WEIGHTED*

BUSINESS OWNERSHIP	.5 Credit	Grade 11- 12	* Local Exam
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PREREQUISITE: Must have earned 2 credits in business courses. Teacher permission required.

Business Ownership is designed for the student who has a desire to start a business. Effective business planning is the cornerstone of success. Students will develop leadership and problem solving skills as well as methods for analyzing various markets and competition, setting achievable goals and focus on a strategic business plan. Students will benefit from case studies and practical entrepreneurial experiences including working in the school bookstore.

MVCC BUSINESS LAW	.5 Credit	Grade 11- 12	* Local Exam
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This course is recommended as an elective for all high school juniors and seniors. Essentially, the course is designed as an introductory law course. Students will gain an appreciation and respect for how the law affects them at home and at work. Topics covered include; the legal environment, ethical decision making, constitutional law, criminal law, civil law, contract law, personal and real property law and consumer protection. *WEIGHTED*

ENGLISH

ENGLISH 9 REGENTS	1 Credit	Grade 9	* Local Exam
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PREREQUISITE: English 8

This is a foundational course intended to give students the opportunity to grow and develop critical thinking skills through exposure to a variety of literary experiences involving plays, short stories, novels, poetry, and nonfiction passages. Students will focus on communicating ideas both orally and in written form, laying the groundwork for success in grades 10, 11, and 12.

ENGLISH 9 HONORS	1 Credit	Grade 9	* Local Exam
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PREREQUISITES: Teacher recommendation

This course expands upon the English 9 curriculum to include additional reading and writing. Students will explore diverse and complex texts across a variety of genres to build the foundation for sophisticated academic study and accelerated coursework. While critically reading both classic and contemporary fiction, poetry, drama, and nonfiction, students will develop skills in grammar, vocabulary, critical thinking, personal expression, reading comprehension, analysis, research, and writing. Mature conceptual and analytical skills are a necessity, as is the ability to work more independently. *WEIGHTED*

ENGLISH 10 REGENTS	1 Credit	Grade 10	* Local Exam
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PREREQUISITE: English 9 Regents

This course builds upon and reinforces the English 9 curriculum while providing English 10 students with time to develop the skills needed for the ELA NYS Regents Exam. Students will be responsible for completing both brief and extended writing assignments, independent reading, vocabulary study, literary analysis, and reading comprehension practice to increase their knowledge and development throughout the school year. Students will also be required to complete a research project that challenges students to introduce and support a counterclaim argument.

ENGLISH 10 HONORS	1 Credit	Grade 10	* Local Exam
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PREREQUISITES: English 9, Successful completion of summer enrichment, Teacher's recommendation

This course builds upon and reinforces the English 9 Honors course, as well as expanding its focus to include in-depth research, in-depth analysis and the writing of an advanced research paper. Mature conceptual and analytical skills are a necessity, as is the ability to work more independently. *WEIGHTED*

ENGLISH 11 REGENTS	1 Credit	Grade 11	*ELA Exam
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PREREQUISITE: English 10 Regents

This course will continue to develop many of the skills from English 10 Regents while providing juniors time to master the skills needed for the NYS Common Core Exam. The course will also provide students with an awareness of the American literary tradition.

ENGLISH 11 HONORS	1 Credit	Grade 11	*ELA Exam
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PREREQUISITE: English 10 Honors, Successful completion of summer enrichment, Teacher's recommendation

This course builds upon and reinforces the English 10 Honors course, as well as providing students with an awareness of the American literary tradition. Students will continue in-depth research as well as prepare for the NYS ELA Regents Exam. *WEIGHTED*

ENGLISH 12	1 Credit	Grade 12	*Local Exam
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PREREQUISITE: English 11

This course will focus on a variety of literary genres (fiction and nonfiction) with an emphasis on the development of critical thinking, problem-solving skills, writing skills, and career/college readiness. Students will be required to research and analyze text and ideas from multiple disciplines in order to broaden their academic understandings. They will also be required to write in various writing situations aimed at increasing diversity in both writing process and writing product. The full-year course will culminate in a long-term senior project focused on remedying societal issues.

MVCC ENGLISH 12 (EN 101)	.5 Credit 3 College Credits	Grade 12	*Local Exam
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PREREQUISITES: Successful completion of NYS ELA Regents Exam and English 11. *WEIGHTED*

Through successful completion of this course, students will:

1. Demonstrate an ability to communicate purposefully in self-expressive, informative, and argumentative/persuasive writing to particular audiences in specific contexts at a level generally expected for successful students.
2. Develop an understanding of the ways in which interactions of writers and readers require an exploration of human knowledge, values, ethics, language, and social institutions.
3. Develop the intellectual independence and ability to use language for the purpose of reading, learning, communicating, and thinking critically.
4. Be introduced to the utilization of primary and secondary research sources.
5. Be introduced to a history and methodology of rhetoric and composition.
6. Attain a level of writing fluency adequate for success in college classes.
7. Demonstrate the application of clear writing skills in both professional and academic modes.
8. Demonstrate an understanding of proper documentation procedures to avoid plagiarism.

MVCC ENGLISH 12 (EN 102)	.5 Credit 3 College Credits	Grade 12	*Local Exam
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PREREQUISITE: Successful completion of EN101. *WEIGHTED*

Through successful completion of this course, students will:

1. Utilize critical thinking skills in the analysis of college-level literary texts.
2. Create a documented research project which will demonstrate analytical thinking skills and utilize primary and secondary research sources.
3. Demonstrate an awareness of and comprehension of how social, cultural, aesthetic, and intellectual issues raised in the class are relevant to their own lives.
4. Demonstrate comprehension of the nature of the Humanities and its relation to other disciplines.
5. Demonstrate how common or culturally specific heritages, perspectives, histories, and/or belief systems influence the creators of literary works and their products.
6. Demonstrate the skill to reasonably interpret a literary text and support that interpretation with evidence

AP ENGLISH: LITERATURE AND COMPOSITION	1 Credit 6 College Credits	Grade 12	* AP Exam
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PREREQUISITES: English 11, Teacher recommendation, Successful completion of summer coursework, MVCC dual enrollment credit possible (EN 101 and EN 102). *WEIGHTED*

This College-Board approved course places emphasis on reading and writing skills required for interpreting all genres of literature taught at the first year college level and is designed for those students who wish to earn up to six college credits. Students are expected to work both independently and collaboratively at a pace and level of rigor that is typical of the college classroom. Mature conceptual and analytical skills are a necessity. Students must complete the AP exam for the course.

CREATIVE WRITING	.5 Credit	Grade 9 – 12	* Local Exam
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This course is designed for students who have demonstrated an aptitude for and an interest in writing. Emphasis will be placed on the development of individual writing styles while studying the elements of a story, including, but not limited to characterization, mood, theme, and dialogue. Writing assignments will include short stories, personal essays, and poetry. Every effort will be made to provide students with publishing opportunities. Students are required to submit work for inclusion in the OHS literary magazine, *Alarm*.

FILM AS LITERATURE	.5 Credit	Grade 10-12	* Local Exam
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PREREQUISITE: English 9

Students will acquire and develop an understanding of and a greater appreciation for the art of storytelling through film. Students will also place contemporary American and international cinema in its broader historical and cultural contexts. Throughout the course, students will enhance analysis skills to better understand film and filmmakers' intentions and techniques as well as examine basic literary elements as they pertain to celluloid literature. Writing assignments will accompany each film viewed. Films selected for the course will vary in rating: G, PG, PG-13, and R, so parent permission will be required.

PUBLIC SPEAKING	.5 Credit	Grade 9 - 12	* Local Exam
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This course is designed to develop basic speaking skills through frequent speaking activities. Students present a variety of different speeches, including impromptu, manuscript, informative, persuasive, demonstration, and memorized speeches. Every effort will be made to provide students with speaking opportunities. Students will also study professional speakers and learn about the biological and mental aspects of public speaking, including how to combat stage fright.

YEARBOOK	1 Credit	Grades 11-12	
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PREREQUISITE: Permission of instructors

This project-based course is designed to produce the high school yearbook, utilizing specific graphic design and layout software programs. Students will focus on layout, photography, marketing, advertising, editing and revising, and interviewing.

FOREIGN LANGUAGE

SPANISH 1	1 Credit	Grade 9 – 12	* Local Exam
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Students are introduced to the four skills of language learning: understanding, speaking, reading and writing with emphasis on the first two skills. Students will also study many of the different aspects of the Hispanic world and begin to understand the cultural differences found in our global society. This course is designed for students who were not successful in the middle school or for a student who has moved into New York State without having had a foreign language and must meet the graduation requirements of the state. If a student plans to continue language study after 9th grade Spanish 1, local school policy requires that the student pass both the course and the Proficiency Exam.

SPANISH 2	1 Credit	Grade 9 - 12	* Local Exam
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PREREQUISITE: Spanish 1

This is a continuation of Spanish 1 with emphasis placed on all four skills. Students are introduced to several verb tenses and many more irregular verbs. At the end of Spanish 2, students will be able to express themselves verbally, and in writing, using the present and past tenses. Students will also be introduced to simple grammatical structures. The pace is faster than Spanish 1.

SPANISH 3	1 Credit	Grade 10 -12	*Regents Equivalency
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PREREQUISITE: Spanish 2

This course offers an expansion of verbs and vocabulary. A greater emphasis is placed on writing and speaking. Students are introduced to more complex grammatical structures. At the conclusion of this course, students will take a Regents Equivalency Exam, testing all four majors skills. After receiving credit for this class and passing the Regents Equivalency Exam, the student has met the language requirement for an Advanced Regents Diploma. Please be aware when making the decision about continuing foreign language study that many colleges - private and public - now have foreign language requirements. Check with the individual college or your school counselor for more information.

SPANISH 4	1 Credit	Grade 11- 12	* Local Exam
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PREREQUISITE: Spanish 3

The emphasis is on expanding the four skills. Students are expected to do projects and Internet research in Spanish. Many more complex grammatical structures are learned and it is hoped that students will master the formation and sequence of all of the verb tenses.

SPANISH/MVCC REVIEW SPANISH 1 & 2 (SP 191 & SP 192)	1 Credit 6 College Credits	Grade 12	*Local Exam
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PREREQUISITE: Spanish 4 AND teacher recommendation.

** MVCC Course availability is subject to change

This class is equivalent to two first year college level courses. It is important that the student in this class be willing to spend time outside of class improving his/her language skills. It is also hoped that the student in this class be truly interested in learning Spanish. This class continues the development of grammar, cultural understanding, reading, writing, and conversation skills, and is presented at an accelerated pace. Students enrolled in this class are eligible to earn 6 credit hours from Mohawk Valley Community College. MVCC will be granting the credit by transcript. *WEIGHTED*

HEALTH & PHYSICAL EDUCATION

HEALTH	.5 Credit	Grade 10-12	*Local Exam
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(Required for Graduation)

A factual, behavioral and value clarifying course which actively involves students in self-awareness, decision making skills, role playing and research of health and interpersonal matters.

PARENTING	.5 Credit	Grade 10-12	*Local Exam
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This course deals with the choices individuals have deciding whether or not to become parents, when, with whom, and under what economic, social, education and physical conditions. The processes taught in this course will aid in formation of enlightened decisions.

PHYSICAL EDUCATION	.5 Credit	Grade 9 -12	* Local Exam
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(Required for Graduation)

Physical Education classes are designed to practice and develop skills in activities that will help students maintain fitness throughout their life. We will explore fitness activities designed to improve all areas of fitness. Throughout the school year students will improve their fitness level, through regular cardiovascular endurance training, muscular endurance training, and activities designed to increase current levels of fitness. Students will be introduced to lifelong activities and will understand the benefits that regular exercise can provide for a person's mental, physical, and social health.

MATHEMATICS

ALGEBRA 1 CC	1 Credit	Grade 9-10	* Regents Exam
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PREREQUISITE: Successful completion of Math 8

Algebra 1 CC is the first mathematics course in high school. This course takes a developmental approach to expressions, equations, inequalities, patterns, relations, functions, coordinate geometry and trigonometric functions carefully building and connecting each concept and skill by using appropriate language and mathematical symbolism. Students will take the New York State “Algebra 1 CC” Regents exam at the end of this course.

GEOMETRY	1 Credit	Grade 10-12	* Regents Exam
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PREREQUISITE: Algebra 1 CC

Geometry is intended to be the second course in mathematics for high school students. This course is meant to employ an integrated approach to the study of geometric relationships. Integrating synthetic, transformational, and coordinate approaches to geometry, students will justify geometric relationships and properties of geometric figures. Students will take the New York State “Geometry” Regents exam at the end of this course.

FOUNDATIONS OF GEOMETRY	1 Credit	Grade 10-12	*Regents Exam
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PREREQUISITE: Algebra 1CC

Same description as Geometry listed above.

ACCELERATED GEOMETRY	1 Credit	Grade 9	* Regents Exam
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PREREQUISITE: Completion of 8th grade Algebra.

Same description as Geometry listed above.

CONSUMER MATH	1 Credit	Grade 11-12	* Local Exam
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Consumer Mathematics is a course designed to strengthen the math skills needed to make educated decisions on matters of personal finance. The course focuses on awareness of consumer-related issues and strives to help students become "more informed" consumers now and in the future. Making math relevant to daily life, this course highlights topics such as personal income, banking, taxes, budgeting, discounts and mark-ups, borrowing money and many more

INTERMEDIATE ALGEBRA 2	1 Credits	Grade 11- 12	* Local Exam
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PREREQUISITE: Geometry

Intermediate Algebra 2 is the first course (one year) of a 2 year sequence of courses to complete Algebra 2 CC.

INTERMEDIATE ALGEBRA 2B	1 Credit	Grade 11- 12	* Regents Exam
MVCC (MA 125)	3 College Credits		

PREREQUISITE: Successful completion of Geometry

Intermediate Algebra 2 is the second course of a 2-year sequence of courses to complete Algebra 2 CC. Students will take the New York State “Algebra 2 CC” Regents exam in January and June. *WEIGHTED*

ALGEBRA 2 CC Accel	1 Credit	Grade 10	* Regents Exam
MVCC (MA 125)	3 College Credits		

PREREQUISITE: Accelerated Geometry & Algebra

This course is the capstone of the three credits required for a Regents diploma. The families of functions to be studied will include polynomial, absolute value, radical, trigonometric, exponential and logarithmic functions. Within this course, the number system will be extended to include imaginary and complex numbers. Students will take the New York State “Algebra 2 CC” Regents exam at the end of this course. *WEIGHTED*

ALGEBRA 2 CC MVCC (MA 125)	1 Credit 3 College Credits	Grade 11- 12	* Regents Exam
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PREREQUISITE: Geometry & Algebra

Same description as “Algebra 2 CC” Accelerated listed above. *WEIGHTED*

PRE-CALCULUS MVCC (MA 150)	1 Credit 3 College Credits	Grade 11- 12	* Local Exam
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PREREQUISITE: Algebra 2 CC

This course helps students to understand the role of logic in deductive systems, and to recognize the manipulative techniques and the mathematical structure of that system. It will also develop an appreciation of the breadth and depth of applications of mathematics and prepare students for modern courses in calculus, abstract, algebra and probability.

WEIGHTED

AP STATISTICS MVCC (MA 110)	1 Credit 3 College Credits	Grade 12	* AP Exam
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PREREQUISITE: Algebra 2 CC along with recommendation of instructor. *WEIGHTED*

A very useful course emphasizing how to summarize, analyze and draw conclusions from given data. Probability, normal distribution, analysis of measurements and more are also included.

AP CALCULUS MVCC (MA 110)	1 Credit 3 College Credits	Grade 12	* AP Exam
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PREREQUISITE: Pre-Calculus, MVCC dual enrollment credit possible. *WEIGHTED*

This course is a thorough study of elementary functions, derivatives, methods of integration and applications. The course is equivalent to a semester college course in Calculus, and the student may earn credit, placement or both.

BASIC COMPUTER PROGRAMMING	.5 Credit	Grade 9-12	* Local Exam
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PREREQUISITE: Algebra 1 CC

This course familiarizes students with computer systems and their use. Students will be introduced to problem solving logic through flowcharting and tracing, students will be able to write programs involving regular programming techniques. The JAVA language will be used as the primary language.

ADVANCED COMPUTER PROGRAMMING	.5 Credit	Grade 9-12	* Local Exam
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PREREQUISITE: Basic Programming

This course strengthens students' knowledge of advanced programming techniques taught in BASIC and also gives them an exposure to the JAVA programming language.

AP COMPUTER SCIENCE	1 Credit	Grade 12	* AP Exam
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PREREQUISITE: Algebra 2 AND Basic and Advanced Programming. *WEIGHTED*

The goals of an Advanced Placement Computer Science course are comparable to those of a first semester course offered in college and university computer science departments. The course is intended to serve both as an introductory course for people who will major in computer science or in other disciplines that require significant involvement with computing. Math is subject to change by the State Education Department.

MUSIC

*Knowledge: Music Appreciation; Music Theory 1, 2.*Performance: Wind Ensemble, Mixed Chorus, Concert Choir.

3 Credit Sequence

- 1- Knowledge Unit PLUS
- 2- 2- Knowledge or Performance Units (at least one must be performance).

5 Credit Sequence

- 2 - Knowledge Units PLUS
- 3 - Performance Units

ALL ABOUT THAT BASS....BUILD

1 Credit

Grades 10-12

Students will build an electric bass guitar from a kit. This project will require them to finish wood, sand, design paint schematics, electrical wiring, soldering, painting, finishing, stringing and other adjustments that may need to be made. After the build is complete, lessons and instruction will be given in how to tune and play the instrument that they created. Guest speakers and local musicians will be brought in to give tricks of the instrument and other performance tips.

INTRO TO MUSIC THEATRE

1 Credit

Grades 9-12

This course will allow students to study all aspects of Musical Theatre from beginning stages to present times. Students will study excerpts from musicals, as well as full-length musicals, and will use their individual creative abilities to participate in, both alone and in groups, a variety of aspects of musical theatre. (Acting, singing, directing, choreography, set/costume/lighting design, and screenplay writing.)

MVCC MUSIC APPRECIATION (HU186)

1 Credit

Grades 9-12

* Local Exam

This course develops musical perception, understanding, and appreciation. It features direct listening and live performances, and demonstrations in a variety of musical styles. It is appropriate for those with no formal musical training, although experience in an ensemble is helpful. Grades are based on projects created using a variety of technology-based programs. *WEIGHTED*

MVCC MUSIC THEORY (HU 183)

1 Credit

Grade 10-12

* Local Exam

PREREQUISITE: That a student have some musical knowledge and/or participate in an ensemble.

Music Theory is a full year course designed to enhance music skills and basic music fundamentals. The essential aspects of melody, harmony, rhythm, and form are studied. Throughout the course of the year students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, form, part-writing and analysis of a score. Aural dictation and ear training are also an integral part of the course and will be taught throughout the year. Individual creativity is nurtured through both rhythmic and melodic composition. This course is highly recommended for students in a musical ensemble, and is *strongly suggested* for students interested in pursuing a music degree in college. *WEIGHTED*

WIND ENSEMBLE

1 Credit

Grades 9-12

* Local Exam

Wind Ensemble is a group of 9th - 12th grade band students. This group plays for concerts and community events throughout the school year. Each student is required to take one lesson per week. Grades are based on attendance and participation in lessons and concerts along with daily rehearsals. *CONCERT ATTENDANCE IS REQUIRED TO RECEIVE CREDIT FOR THIS COURSE. IT IS A PERFORMANCE BASED CLASS. STUDENTS WILL BE IN TUXEDOS AND FORMAL WEAR FOR ALL PERFORMANCES.*

MIXED CHORUS

1 Credit

Grade 9-12

* Local Exam

This is a non-auditioned ensemble which meets daily. It is designed to encourage all students who have an interest in developing their skills in group singing. It will help develop the student's knowledge of choral literature, music theory concepts, sight singing, and to enrich their love of music. Repertoire is selected to provide sequential, systematic concepts and performance skills associated with varying musical content and style. All 9th grade students will be placed in this ensemble. *CONCERT PARTICIPATION IS REQUIRED AND EVENING PERFORMANCES ARE MANDATORY IN ORDER TO RECEIVE CREDIT FOR THIS COURSE.*

CONCERT CHOIR	1 Credit	Grade 10-12	* Local Exam
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Audition required.

This is an auditioned ensemble made up of students in grades 10-12 which meets daily and offers students a variety of enriched musical opportunities. Students will enhance their knowledge of choral literature, music theory concepts, and will achieve a higher degree of perfection in the performance and understanding of the choral repertoire. Repertoire is selected to provide sequential, systematic concepts and performance skills associated with varying musical content and style. ***Formal attire is a requirement of this group.** *CONCERT PARTICIPATION IS REQUIRED AND EVENING PERFORMANCES ARE MANDATORY IN ORDER TO RECEIVE CREDIT FOR THIS COURSE.*

SCIENCE

EARTH SCIENCE R	1 Credit	Grade 10-12	* Regents Exam
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PREREQUISITE: Regents Living Environment.

Earth Science encompasses four main areas of study: Geology – the study of earth and its changes over time. Meteorology – a study of the earth atmosphere and the exchange of energy that control our weather and climate. Oceanography – a study of the oceans and their influence on earth. Astronomy – a study of the earth’s motion and position in our solar system and space. For each area of study, students will learn the forces that drive changes and the energy exchanges that result. This class requires students to use skills of critical thinking. The course is a state syllabus program and as a summative assessment, the student will take the NYS Regents in Physical Setting Earth Science in June.

ENVIRONMENTAL SCIENCE	.5 Credit	Grade 11-12	* Local Exam
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PREREQUISITE: Completion of two Regents science courses.

This course is for students needing the requirement for a 3rd year of science and must take another science elective to meet science requirements. This course will cover topics related to the principles of ecology. Students will study the earth and how it has changed over time. They will take a look at the interactions between the abiotic factors and the biotic factors within the environment. The various biomes found on earth will also be explored. **Topics to be covered:** Methods of Science, The Planet Earth, Change in the Biosphere, Matter & Energy in the Ecosystem, Interactions in the Ecosystem, Ecosystem Balance, Desert and Tundra Biomes, Grassland Biomes, Forest Biomes, Freshwater Biomes, Marine Biomes and Alternate Forms of Technology.

LIVING ENVIRONMENT	1 Credit	Grade 9 -12	* Regents Exam
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PREREQUISITE: Present enrollment in at least Algebra 1 CC

The course provides a broad general understanding of the fundamental principles of Biology. Major emphasis is placed on maintenance of homeostasis, biochemistry, reproduction and development, genetics, evolution, ecology and human impact on the environment. Laboratory exercises reinforce course topics and are a requirement. Students take the Living Environment Regents Examination.

SCIENCE & OUR FOOD SUPPLY	.5 Credit	Grade 11- 12	* Local Exam
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PREREQUISITE: Completion of two Regents science courses.

Science and Our Food Supply focuses on several topics related to science and food, including foodborne illnesses, food preservation, genetically modified food and factory farming. The course includes several lab activities among which a bacterial safari throughout the high school, an antibacterial lab using household cleaners as well as spices, a milk lab designated to check the relationship between pasteurization and bacterial growth and finally a project involving the selective breeding of Wisconsin Fast Plants. *** Completion of Science and Our Food Supply and either Anatomy and Physiology or Environmental Science provides one additional science credit for those student needing a third science course.**

SURVEY OF HUMAN ANATOMY AND PHYSIOLOGY	.5 Credit	Grades 11 -12	* Local Exam
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PREREQUISITE: Completion of 2 Regents Science courses

This course will cover the basics of the human body and how it works. Students will study the organs of the body to understand their structure, location in the body, their function and how they interact with other parts of the body. Students will study each of the human body systems anatomy, as well as how each system works at the cellular and system level in a healthy as well as in a diseased state.

Topics to be covered: Introduction to Anatomy and Physiology, Cells and Tissues, Integumentary System, Skeletal System, Muscular System, Cardiovascular System, Respiratory System, Digestive System, urinary System, Nervous System, Endocrine System, Immune System and Reproductive System.

CHEMISTRY R	1 Credit	Grade 11- 12	* Regents Exam
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PREREQUISITE: Algebra 1 CC and Geometry.

Chemistry Regents is designed to give you an in-depth view of chemistry and prepare you for college- level chemistry courses in the future. The course consists of both a class and a laboratory section that nicely complement each other in terms of content exploration. Topics that will be investigated include atomic structure, the periodic table, chemical bonding, stoichiometry, physical behavior of matter, kinetics, equilibrium, acids and bases, redox and electrochemistry, organic chemistry and nuclear chemistry. In order to be admitted to this course, students must have successfully completed Living Environment.

PHYSICS R	1 Credit	Grade 10-12	*Regents Exam
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PREREQUISITE: Algebra 1 CC, Geometry and enrollment in Algebra 2 CC.

The science deals with those phenomena of inanimate matters involving no changes in chemical composition; specifically, the science of matter and motion. Physics includes mechanics, heat, electricity, light, sound, radiation and atomic structure.

AP BIOLOGY /MVCC General Biology (BI 141)	1 Credit	Grade 11-12	* AP Exam
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PREREQUISITE: Regents Earth, Biology, Chemistry, and Algebra 1 CC, Geometry and Algebra 2 CC OR currently enrolled in Chemistry and Algebra 2 CC. **WEIGHTED**

Advanced Placement Biology is a college-level course, which is structured around four big ideas: Big Idea 1 – Evolution, Big Idea 2 – Cellular Processes: Energy and Communication, Big Idea 3 – Genetics and Information Transfer, and Big Idea 4 – Interactions. The four big ideas, as well as their interconnectedness, are explored through nine investigative labs (roughly two per Big Idea) that will enable students to deepen their conceptual understanding within a teacher-facilitated, yet student-directed learning environment. The lab component encompasses at least 25 percent of the AP Biology course.

AP CHEMISTRY	1 Credit	Grade 12	* AP Exam
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PREREQUISITE: Regents Earth, Biology & Chemistry. **WEIGHTED**

The Advanced Placement Chemistry course is designed to be the equivalent of a general chemistry course usually taken during the first year of college. Students in this course will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. After showing themselves to be qualified in the Advanced Placement Examination, some students, as college freshmen, are permitted to undertake upper level courses in chemistry or register for other courses for which chemistry is a suggested prerequisite.

AP PHYSICS	1 Credit	Grade 11- 12	* AP Exam
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PREREQUISITE: Algebra II/Trig. **WEIGHTED**

"AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves."

FORENSICS	.5 Credit	Grades 11-12	* Local Exam
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Forensics Science is the systematic use of scientific principles in Biology, Chemistry, and Physics to analyze crime scene material and data. This data is then matched to the suspected crime scene and and/suspect. This course will develop the critical thinking skills required by forensics scientists in the laboratory. Learning will take place through the study of text as well as hands-on laboratory experiences.

THE NATURE OF PLANTS	1 Credit	Grades 10-12	*Local Exam
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PREREQUISITE: Regents Science Class

This plant science class will focus on a variety of topics related to plants. The goal of this course will be to provide hands on experience while learning about plants. Students will be required to grow and care for plants, and to complete research and projects. Topics will include plant structures and their functions, growth, reproduction, propagation, photosynthesis, genetic inheritance, classification, pests, climate change, genetically modified plants, therapeutic plants, and plant interactions with other organisms

SOCIAL STUDIES

GLOBAL HISTORY 9	1 Credit	Grade 9- 10	*Local Exam
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This course begins a two-year course in global history and geography. The course is taught chronologically and covers all areas of the world including Europe, Asia, the Americas, Africa and Australia. Topics in the course include units on the Ancient World 400BC-500 AD, Expanding Zones of Exchange 500-1200, Global Interactions 1200-1650, The First Global Age 1450-1770 and the Age of Revolutions 1750-1815.

GLOBAL HISTORY 10	1 Credit	Grade 10	* Regents Exam
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PREREQUISITE: Grade 9

This program is the second part of a two-year global history course utilizing a chronological approach that emphasizes particular aspects of several historical eras. The 10th grade portion of the course will contain units on: The Age of Revolution, Crisis and Achievement, the 20th Century since 1945 and Global Connections and Interactions. The time frame for this course will include the 19th and 20th centuries. Throughout the course, “bridging units” will be presented that will give students a historical perspective of the world at large.

AP WORLD HISTORY	1 Credit	Grade 10-12	* AP Exam & Regents
MVCC (HI 103/ HI 104)	6 College Credits		

PREREQUISITE: 9th Grade social studies teacher recommendation after 25 weeks. 9th grade gpa greater than 93 after 25 weeks. Student must remain in good standing the remainder of the year. 9th grade final exam greater than 85 if applicable.

MVCC HI 103/104 after successfully completing the course and AP Exam

The AP World History course focuses on developing students’ understanding of world history from approximately 1750 C.E. to the present. The course has students investigate the content of world history for significant events, individuals, developments and processes in three historical periods and develop and use the same thinking skills and method (analyzing primary and secondary sources, making historical comparisons, chronological reasoning and argumentation) employed by historians when they study the past. The qualifications for acceptance into the AP World history is any student who has successfully completed Global History 9 in their 9th grade year as well as successful completion of the summer assignment handed out in June of their 9th grade year.

UNITED STATES HISTORY AND GOVERNMENT 11	1 Credit	Grade 11	* Local Exam
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PREREQUISITE: Global History 10 Regents

The program for grade eleven is a chronologically organized course in United States History. The emphasis in this course is on the United States as an industrial nation. Constitutional and legal issues are developed as well as issues of international involvement. The Regents level course will explore course material in more depth than the local level. A state Regents exam will be given to ALL students upon completion of the course.

AP AMERICAN HISTORY MVCC (HI 111 & HI 112)	1 Credit 6 College Credits	Grade 11	* AP Exam & Regents
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PREREQUISITE: Regents Social Studies 9 & 10 AND teacher recommendation. *WEIGHTED*

MVCC HI 111 and MVCC HI 112 – 6 college credits after successfully completing course and AP Exam

This course gives the above average student the opportunity to gain college credit while still in high school through the Advanced Placement Program. The course consists of a chronological study of American History from the colonial period through the Year 2000. A state Regents exam will be given to ALL students upon completion of the course.

ECONOMICS	.5 Credit	Grade 12	* Local Exam
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PREREQUISITE: Social Studies 11

This course includes the basic economic concepts and understandings which all people need to function effectively and intelligently as consumers in a global economy. This course is required for graduation.

GOVERNMENT	.5 Credit	Grade 12	*Local Exam
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PREREQUISITE: Social Studies 11

This course emphasizes the interaction between citizens and government at all levels. The course will focus on topics that relate to public policy issues at the local, state and national levels. This course is required for graduation.

MVCC SURVEY OF ECONOMICS (BM 101)	.5 Credit 3 College Credits	Grade 12	* Local Exam
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PREREQUISITE: Social Studies 11 Regents grade 80 +

This course includes the basic economic concepts and understandings which all people need to function effectively and intelligently as citizens in a global economy. The course will focus on how people produce, distribute and consume the goods and services they want. This course is required for graduation. Students enrolled in this class are eligible to earn 3 credit hours from Mohawk Valley Community College. MVCC will be granting the credit by transcript. *WEIGHTED*

MVCC AMERICAN NATIONAL GOVERNMENT (PS 101)	.5 Credit 3 College Credits	Grade 12	* Local Exam
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PREREQUISITE: Social Studies 11 Regents grade 80+

This course emphasizes the interaction between citizens and government at all levels. The course will focus on topics that relate to public policy issues at the local, state and national levels. Material will be covered in more depth than at the local level. This course required for graduation. Students enrolled in this class are eligible to earn 3 credit hours from Mohawk Valley Community College. MVCC will be granting the credit by transcript. *WEIGHTED*

SOCIOLOGY	.5 Credit	Grade 11-12	* Local Exam
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PREREQUISITE: Completion of Social Studies 9, 10

The course is an introduction to the study of sociology. This includes the study of human interact, social organization and the nature of social problems. Students are provided the opportunity to prepare for college level elective or major when they move on to college after graduation.

PSYCHOLOGY	.5 Credit	Grade 11-12	* Local Exam
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PREREQUISITE: Completion of Social Studies 9, 10 & 11

This is an introductory course in psychology. The course deals with the history and foundation of psychology as a behavioral science, theories of personality development, diagnosis and treatment of mental illness, psychological research, and social psychology. Students are provided the opportunity to prepare for a college level elective or major when they move on to college after graduation. Student enrolled in this class are eligible to earn 3 credit hours from Mohawk Valley Community College. MVCC will be granting the credit by transcript.

SPORTS PSYCHOLOGY	.5 Credit	Grade: 11-12	*Local Exam
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PREREQUISITE: Completion of Social Studies 9, 10 & 11. Students should participate in a sport

This course will provide students with knowledge about psychological factors that affect performance in sports such as motivation, concentration, focus, confidence, anxiety and relaxation. Students will also be introduced to mental skills that will enhance performance, make athletic participation more enjoyable, and learn skills that can be transferred to other aspects of their lives. Specific skills to be covered in this class will include: how to set measurable goals and strategies to achieve them, visualization and imagery techniques, leadership, team-building, and how to best cope and recover from injuries.

MVCC THE UNITED STATES AND VIETNAM (HI 113)	.5 Credit 3 college credits	Grade 10-12	*Local Exam
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This survey course traces the American involvement in Vietnam from the end of World War II through the defeat of the Republic of South Vietnam. It develops an understanding of the events, conditions, and policies that moved the United States from a position of little involvement and interest in 1945 to a national commitment to the survival of an independent South Vietnam. *WEIGHTED*

MVCC NEW YORK STATE HISTORY (HI 214)	.5 Credit 3 college credits	Grade 10-12	*Local Exam
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This course provides a survey of significant political, social, economic trends, and institutions in New York State from early settlement to the present. It gives a geographical and historical understanding of the State as well as how New York became the Empire State, molding its own unique identity while playing a major role in shaping and influencing the nation and the world. Attention to the changing pattern of land holding, the development of a democratic commonwealth, urbanism, immigration, industrialism, political feuds, and political factions are addressed along with local history. *WEIGHTED*

BE AN 11 CITIZENSHIP CLASS	.5 Credits	Grade 10-12	
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This course emphasizes the importance of civic competency, by teaching students how to embody the necessary characteristics of a good citizen. Students of this course are tasked with becoming citizens who could be rated as “an 11” on a scale from 1 to 10. Be an 11 Citizenship Class emphasizes traits such as character, compassion, and leadership that will help students become productive citizens in their communities.

TECHNOLOGY

MATERIAL PROCESSING	.5 Credit	Grade 9-12	* Local Exam
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In this foundation course, students will build projects using wood, metal, and plastics in order to learn about the tools and equipment used to form, cut and assemble into products (the focus is on Metal and Wood working). Students will explore how to go from designing a product, processing the materials into parts, and create finished products.

MVCC PHOTOGRAPHY (PT 101)	.5 Credit 3 College Credits	Grade 10-12	* Local Exam
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This course provides an understanding of the fundamentals of photography. It covers the history of photography, and how photos can be visually meaningful. You will learn how photos are captured in modern digital cameras, and through alternative processes. Learn to work in a darkroom to create unique images, and how to create a number of different types of digital images using Adobe Photoshop, and Lightroom. This is an activity-based class that will allow you to try many areas of photography that will be new and exciting to you. (Photography 1)

*This class is a dual credit class, offering both High School, and MVCC college credit. *WEIGHTED*

MVCC ADV DARKROOM TECHNIQUES (PT 202) (Spring)	.5 Credit 3 College Credits	Grades 10- 12	* Local Exam
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This course provides the fundamentals in photography. It covers the inner workings of both film and digital cameras, and photographic equipment. Other topics include Posing, Portraits and Lighting. Comparisons are made as students work in both digital and film photography. You will learn to shoot and develop 35mm film, and create B&W prints in a darkroom. Students then work on various creative projects using digital applications like Adobe Photoshop and Lightroom. This is an activity based class that will open your exposure to many new areas of photography. (Photography 2)

*This class is a dual credit class, offering both High School, and MVCC college credit

**Photo 1 is a prerequisite for the MVCC college credit only, you can still take this course if you have not taken Photo 1 for High School credit alone. *WEIGHTED*

RESIDENTIAL STRUCTURES	.5 Credit	Grade 9-12	* Local Exam
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Through the process of actually building a structure, the students will learn how a wood frame house is built today. Areas to be covered include: foundations, framing (floors, walls, and roofs), and enclosing methods (floorboards, plasterboard, siding, etc.), and installation of utilities (electrical, heating and plumbing). The students will also learn basic maintenance skills which could save the homeowner money.

MVCC Drone Systems (UA 120)	1 Credit 3 College Credits	Grade: 10-12	*Local Exam
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In this course students will explore the history and use of unmanned aviation vehicles. The emphasis will be placed on drone vehicles and systems. Students will learn theories of flight, avionics, mission planning, aerial photography, and the legal issues of drone flight. This hands-on course will provide opportunities for students to learn how to maintain and repair drones. Practice flight skills in both computer simulation and with various drone vehicles. Students will be prepared to take the FAA exam for becoming a certified drone pilot, which is required for commercial piloting. This is an ideal course for students that want to get into drone flight as a hobby, or as a career in a fast growing field of unmanned aviation.

*This class is a dual credit class, offering both High School, and MVCC college credit *WEIGHTED*

MVCC DRONE SYSTEMS 2 (UA 125)	1 Credit 3 College Credits	Grade: 10-12	*Local Exam
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PREREQUISITE: Teacher Recommendation *WEIGHTED*

This course explores the core procedures of unmanned aircraft systems as applied to commercial applications. Topics include preflight planning and post flight debriefing and assessment. This course will also provide the student with an understanding of how Unmanned Aerial Systems work mechanically and investigate the related systems which enable them to operate.

*This class is a dual credit class, offering both High School, and MVCC college credit

PROJECT LEAD THE WAY

Project Lead the Way (PLTW) is a national program forming partnerships among public schools, higher education institutions, and the private sector to increase quantity and quality of engineers graduating from our education-system. The program is partially funded by charitable Venture Foundation, a private foundation located in Albany, NY. PLTW has a support staff of experienced technology educators and college and university partners to support schools as they implement PLTW curricular.

PLTW has developed a four- year sequence of courses which, when combined with traditional mathematics and science courses in high school, introduces students to the scope, rigor, and discipline of engineering prior to entering college.

DESIGN & DRAWING FOR PRODUCTION (IED)	1 Credit	Grade 9-12	*Local Exam
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Exam can be used as Fine Arts – graduation requirement.

IED is an introductory course, which develops student problem solving skills, with emphasis placed upon the concept of developing a 3-D model or solid rendering of an object. Students focus on the application of visualization processes and tools provided by modern, state-of-the-art computer hardware and software (AutoCAD with Mechanical Desktop). This modern computer-based process replaces the traditional hand drawing methods. The course will emphasize the design/development process of a product and how a model of that product is produced, analyzed and evaluated using a Computer Aided Design System. Various design applications will be explored with discussion of possible career opportunities.

PRINCIPLES OF ENGINEERING (P.O.E.)	1 Credit	Grade 10-12	* Local Exam
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PREREQUISITE: DDP or permission of instructor.

Principles of Engineering are a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hands-on problem-solving activities what engineering is all about and to answer the question, “Is a career in engineering or engineering technology for me?”

*This class is a dual credit class, offering both High School, and college credit through the Rochester Institute of Technology (RIT). Students must earn an overall average of 85 or better, and pass the exam with a C or better to qualify for the college credit.

DIGITAL ELECTRONICS	1 Credit	Grade 11- 12 (Year 24-25)	* Local Exam
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PREREQUISITE: DDP & POE: Good Math skills strongly recommended. Can be taken at the same time as C.I.M. or Civil Engineering. *Offered every other year*

Digital Electronics is a course of study in applied digital logic. The course is patterned after the first semester course in Digital Electronics taught in two and four year colleges. Students will study the application of electronic logic circuits and devices and apply Boolean logic to the solution of problems. Such circuits are found in watches, calculators, video games, computers and thousands of other devices. The use of smart circuits is present in virtually all aspects of our lives and its use is increasing rapidly, making digital electronics an important course of study for a student exploring a career in engineering/engineering technology.

COMPUTER INTEGRATED MANUFACTURING (CIM)	1 Credit	Grade 10-12 (Year 25-26)	* Local Exam
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PREREQUISITE: DDP or permission of instructor. Can be taken at the same time as Principles of Engineering or Digital Electronics. *Offered every other year.*

The systems course builds upon the computer solid modeling design skills developed in Introduction to Engineering Design. Students will be presented with design problems that require the use of Inventor and Edge Cam software to develop solutions. They will use rapid prototyping equipment to produce three-dimensional models of the solutions. Robotics and the Robocell software will be used to enhance the Computer Integrated Manufacturing milling process. Fishertechniks will round out the critical thinking and problem solving experience. Students will be expected to communicate the process and results of their work through oral and written reports.

CIVIL ENGINEERING & ARCHITECTURE	1 Credit	Grade 11- 12	* Local Exam
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PREREQUISITE: DDP & POE; Can be taken at the same time with Digital Electronics or CIM.

Civil Engineering and Architecture will provide students with a focus on following areas of civil engineering and architecture: Introduction to Project Planning, Project Analysis, Site Planning, Building Design, Project Implementation and Project Presentation.

The students will form design teams which be charged with the identification of a piece of local property. They will research the site and develop plans for roads, utilities, services, grading, environmental protection, landscaping, foundation, structural, floor plans, elevations, sections, schedules etc. Not all students will participate in every aspect of the design project. The teams will divide the work among themselves and report and each other regularly. Teams will be presenting and defending their project at the end of the years. In their studies, students enrolled in Civil Engineering and Architecture will utilize the software package, Autodesk Revit. The Civil Engineering and Architecture course is an additional course option for students pursuing a four-year sequence in Project Lead The Way.

ENGINEERING DESIGN AND DEVELOPMENT (EDD)	1 Credit	Grade 12	* Local Exam
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PREREQUISITE: DDP, Digital Electronics, Prin .of Engineering & CIM / permission of instructor.

In this course, students will work in teams of two or four to design and construct the solution to an engineering problem, applying the principles developed in the four preceding courses. The problem may be selected from a database of engineering problems, be a recognized national challenge or be an original engineering problem identified by the team and approved by the teacher. The problems will involve a wide range of engineering applications. (e.g. a school robo-mascot, automated solar water heater, remote control hover craft). Students will maintain a journal as part of a portfolio of their work. Each team will be responsible for delivering progress reports and making final presentations of their project to an outside review panel. The completed portfolio will be invaluable as the students apply to college.

BOCES

Any juniors or seniors wishing to take a vocational program must notify their counselor during the scheduling process. Enrollment is due by April 1st.

Good academic standing is required. Students who have successfully completed English 10 & Global 10 are eligible to enroll.

The following two-year half-day programs are offered at Madison-Oneida BOCES:

- Advanced Health Science
- Automotive Collision Repair
- Automotive Technology
- Career Exploration I
- Carpentry
- Conservation
- Cosmetology
- Criminal Justice
- Culinary Arts
- Early Childhood Education
- Electrical/HVAC
- Engineering Science
- Equine & Animal Science
- Graphic Design
- Health Related Careers
- Heavy Equipment Operation
- Info Tech Systems
- Manufacturing Tech
- Outdoor Power Equipment

SPECIAL BOCES PROGRAMS

Seniors can apply for a one-year internship in *Allied Health Partnership, New Visions Professions, Sports Management, Law Government and Public Admin.* See your counselor for details and qualifications.

OHS CLUBS AND ORGANIZATIONS

Fall Sports

JV Football
Varsity Football
JV Girls Soccer
Varsity Girls Soccer
JV Boys Soccer
Varsity Boys Soccer
JV Field Hockey
Varsity Field Hockey
Boys Varsity Cross Country
Girls Varsity Cross Country
Girls Varsity Tennis
Cheerleading

Winter Sports

JV Boys Basketball
Varsity Boys Basketball
JV Girls Basketball
Varsity Girls Basketball
Girls JV Volleyball
Girls Varsity Volleyball
Varsity Wrestling
JV Wrestling
Swimming/Diving
Varsity Indoor Track
Unified Basketball

Spring Sports

JV Baseball
Varsity Baseball
JV Softball
Varsity Softball
Boys Track
Girls Track
Boys Golf
Girls Golf
Boys Varsity Tennis

Clubs

Art Club
Bookstore
Chemistry Club
Colgate Seminar
Drama Club
Environmental Club
eSports
FBLA
Freshman Class
Gamer's Club
International Relations Club
Japanese Exchange Program
Junior Class
Leo's Club
LGBTQ Club
Literary Magazine
Mathletics
National Art Honor Society
National Honor Society
OHS Musical
Poetry Club
Rotary Interact
Science Olympiad
Senior Class
Ski Club
Sophomore Class
Student Council
Technology Student Assoc.
Teens for a Better World
Writer's Club
Yearbook
Youth Court
Z Club

Notes:

