REMSEN

Junior/Senior High School



2026-2027

Course Selection Guide

Revised: November 2026

Note to students and parents:

Although it is the intent of the REMSEN Central School District to offer all of the courses described in the course catalog, changes may occur due to a variety of reasons including insufficient enrollment, scheduling issues, and budget constraints.

School Contact Information

JR/SR High School

315-205-4300

Fax. 315-831-4283

Sanya Pelrah, Principal	**ext. 5210**
Fay Harper, Special Education Student Services & CSE Chair	**ext. 5207/4228**

School Counselor's Office

315-205-4300

Meghan Dineen, Jr/Sr High School Counselor (7-12)	**ext. 5212**
Erika Manley, Elementary School Counselor (Pre-K - 6)	**ext. 4451**
Laura Roberts, Counseling Assistant (7-12)	**ext. 5213**

Title IX

The REMSEN Central School District hereby advises students, parents, employees and the general public that it offers employment and educational opportunities, without regard to sex, race, color, national origin or handicap. Grievance procedures are available to interested persons by contacting the person(s) listed below. Please direct inquiries regarding this nondiscrimination policy to: Title IX/Section 504 Coordinator, Sex/Handicap Discrimination, Timothy Jenny, Superintendent of Schools, PO BOX 406, Remsen, NY 13438

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High School Faculty & Staff Directory

Administration:

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Planning Your Courses

We believe that parents and students should work closely with teachers and school counselors in considering the various subjects and programs that are available. The following guidelines will help you plan a successful program:

- Establish personal goals. Even though your plans may change, you should have some general educational, occupational and personal objectives.
- Honestly evaluate your strengths, interests, aptitudes and needs.
- Learn the requirements for entrance to the college or program of your choice or to the career area you plan to pursue after graduation.
- During your junior academic year, visit the colleges or career resources of interest to you.
- Consult your parents, talk with your teachers and consult with your school counselor in order to benefit from their experiences. Talk and visit with citizens of the community who are currently working in the professions that you find most interesting.
- Select the subjects that will contribute MOST toward helping you achieve your goals.

NCAA Eligibility Information

The National Collegiate Athletic Association (NCAA) has strict academic eligibility requirements. If you are considering playing sports in college at the Division 1 or Division 2 level, it is highly recommended that students and parents refer to the NCAA Clearinghouse website, www.eligibilitycenter.org, for important information.

Academic Counseling Services

The counselor is available for individual and group meetings, as well as classroom presentations, with students to discuss school programs and planning.

Students need to determine what programs and schools best fit their interests and aptitudes. The Counseling Center also provides information on web-based career and college planning resources as well as traditional print and media tools.

When you are having difficulty

Students may need study skills help or information on tutoring or special services that are available to Remsen students. Our counselor, teachers and supervisors are available to help you evaluate a particular course and its level of difficulty in relation to your ability.

Grouping

In some of our subject areas, levels of instruction have been established to appropriately challenge the academic ability of students. Information regarding student placement for a course may be found in the text of the course description. This information is to serve as a guideline for parents, teachers and students. Parents are encouraged to consult with the school counselor if there are questions about student placement.

Advanced Placement (AP) courses include highly motivated and skilled students in grades 11-12 who take College Board approved AP courses.

All students enrolled in Advanced Placement courses are required to take the Advanced Placement Examination for each course. To sign up for the AP exam, students must pay the required fee set by the College Board on or before the test date. Checks should be made payable to the Remsen Central School District, and must be turned in to the Counseling Office.

Mohawk Valley Community College (MVCC)/SUNY Cobleskill dual credit **c**ollege level courses are offered for college credit to interested and skilled students. Transcripts are available through MVCC or SUNY Cobleskill.

Additional Opportunities

Graduation Acceleration

Some students meet graduation requirements in fewer than the usual four years. Plans for such programs should be discussed with your counselor. Plans for early graduation should be discussed with your counselor no later than June of the sophomore year to explore what is required and future plans.

Alternative Educational Programs

Students who do not find success in the traditional programs may be assigned to Alternative Educational Programs.

Oneida-Madison-Herkimer BOCES

Juniors and/or seniors may enroll at the Career and Technical Education (CTE) School for career and technical courses upon successful completion of all grade 9 and 10 coursework.

Auditing Classes

Students may choose to audit classes if seats are available with the permission of the teacher, supervisor, administration and their parents.

Foreign Exchange Programs

Remsen Central School District is supportive of students who are interested in being involved in foreign exchange programs. Students should research the requirements for the foreign exchange program they are interested in and inform their school counselor to begin planning for the program their sophomore year or earlier.

Academic Intervention Services (AIS)

The Academic Intervention Services (AIS) Plan has been developed by the Remsen Central School District consistent with Part 100 of the Commissioner's Regulation, adopted by the Board of Regents in July 1999 (Appendix A). Section 100.1(g) defines AIS as follows:

> *Academic intervention services are intended to assist students who are at risk of not achieving the State learning standards in English language arts, mathematics, social studies and science, or at risk of not gaining the knowledge and skills needed to meet or exceed designated performance levels on State assessments.*

Pupil Personnel Services

Remsen Central School provides student services and has a Special Education Department that offers a variety of programs and services as mandated by the New York State Department of Education which includes the following areas: occupational therapy, physical therapy, psychological services, social work services and counseling, as well as speech and language therapy. These services are available to students experiencing academic and/or school adjustment difficulties. These services are not intended to replace support from a community agency or private practitioner services needed for clinical diagnosis and/or long term counseling. Special Education instruction is provided in a range from Consultant Teacher Services/ Co-Teaching to Self-contained Special Education Classroom Instruction for students qualifying for such services.

Referrals to Student Services and Special Education are made through each building's School Based Instructional Support Team. Parents who are concerned about their child's school progress are encouraged to contact their child's teacher.

More information regarding the Instructional Support Team and/or Committee on Special Education can be obtained by calling Fay Harper, School Psychologist and Committee on Special Education Chairperson/ Committee on Preschool Special Education Chairperson at (315) 205-4300.

Concepts in Special Education

Special education is specially designed individualized/group instruction, special services or programs provided to a student with a disability (SWD) as determined by the Committee on Special Education (CSE).

Individualized Education Program

Individualized education program (IEP) means a written statement, developed, reviewed and revised in accordance with section 200.4 of the Regulations of the Commissioner, for purposes of meeting the unique educational needs of a student with a disability.

Least Restrictive Environment

Least restrictive environment (LRE) means that placement of students with disabilities in special classes, separate schools or other removal from the regular educational environment occurs only when the nature or severity of the disability is such that even with the use of supplementary aids and services, education cannot be satisfactorily achieved.

The placement of a student with a disability in the least restrictive environment shall:

- Provide the special education needed by the student;
- Provide for education of the student to the maximum extent appropriate to the needs of the student with other students who do not have disabilities; and
- Be as close as possible to the student's home.

Student with a Disability

Student with a disability means a student with a disability as defined in section 4401(1) of Education Law, who has not attained the age of 21 prior to September 1 and who is entitled to attend public schools pursuant to section 3202 of the Education Law and who, because of mental, physical or emotional reasons, has been identified as having a disability and who requires special services and programs approved by the Committee on Special Education(CSE).

Continuum of Services

Students with disabilities shall be provided special education in the least restrictive environment, as defined in section 200.1 (cc) of the commissioner's regulations. To enable students with disabilities to be educated with nondisabled students to the maximum extent appropriate, specially designed instruction and supplementary services may be provided in the regular class. Such services may include, but are not limited to, consultant teacher services and other group or individual supplemental or direct special education instruction.

Individuals with Disability Education Act (IDEA)

The Individuals with Disabilities Education Act (IDEA) is the federal law that secures special education services for children with disabilities from birth through high school graduation (up to age 21).

Section 504

Section 504 is a civil rights law that prohibits discrimination against individuals with disabilities. Section 504 ensures that a student with a disability has equal access to an education. After a student is determined as eligible for support under Section 504, a multidisciplinary team creates an Accommodation Plan to support his or her needs.

Related Services

Related services shall only be recommended by the committee on special education to meet specific needs of a student with a disability and include but are not limited to speech/language therapy, occupational therapy, physical therapy, social work, teacher of the deaf and/or teacher of the visually impaired. The frequency, duration and location of each service shall be indicated in the student IEP. A student with a disability may be provided with more than one service in accordance with the needs of the student. Related services may be provided in conjunction with a regular education program or with other special education programs and services.

School Social Work

The School Social Worker provides counseling to students with disabilities as well as nondisabled students. This service also provides classroom consultation, crisis intervention, and referrals to outside agencies. School Social Workers are often part of the assessment process for special education students. They consult with teachers and administrators and participate on educational teams within our schools.

Junior High Program Planning Guide

Course Selection Summary

The New York State Education Department requires certain courses to be completed by each student by the end of the 8th grade. They include:

English (2 units of study)
Mathematics (2 units of study)
Science (2 units of study)
Social Studies (2 units of study)
Career & Technical Education (1.75 units of study)
Library and Information Skills (1 period per week)

Art (0.5 units of study)
Music (0.5 units of study)
Health (0.5 units of study)
Career Development & Occupational Studies (CDOS)*
Physical Education (1.0 units of study)
World Languages (1.0 units of study)

*Integrated into Home and Careers 8

Junior High Course Schedule

7th Grade	8th Grade
English 7 Science 7 Math 7 Social Studies 7 Spanish 1A Art 7 Technology 7 Computer 7 AG 7 Home & Career 7 WIN (What I Need) Physical Education 7 JH Chorus/JH Band Math Lab 7 (if needed) ELA/SS AIS (if needed)	English 8 Science 8 Math 8 Social Studies 8 Spanish 1B Art 8 Technology 8 AG 8 Home & Career 8 JH Health Physical Education 8 JH Chorus/JH Band Math Lab 8 (if needed) ELA/SS AIS (if needed)

New York State Graduation Requirements

Understanding Current New York State Diploma Requirements

To earn a NYS diploma, students must meet credit and exam requirements. These requirements are separate and distinct and do not have to happen simultaneously.

Note: School districts may create diploma requirements in addition to those required by the NYS Education Department (NYSED).

Credit Requirements

This table shows the number of credits required for each subject. It's important to note in most subjects, students choose the courses they want to take to meet the minimum requirements.

	Minimum number of credits
English	4
Social Studies *Distributed as follows:* *Global History and Geography (2)* *U.S. History (1)* *Participation in Government (½)* *Economics (½)*	4
Science *Distributed as follows:* *Life Science (1)* *Physical Science (1)* *Life Science or Physical Science (1)*	3
Mathematics	3
World Languages	1*
Visual Art, Music, Dance, and/or Theater	1
Physical Education *(participation each semester)*	2
Health	0.5
Electives	3.5
Total	**22**

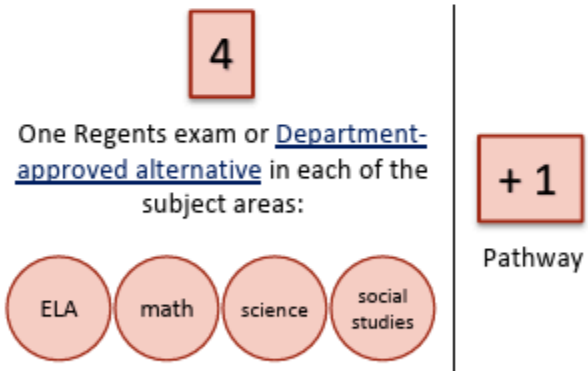
* Students with disabilities may be excused from the requirement for 1 unit of credit in World Languages if indicated on their IEP, but they must still earn 22 units of credit to graduate.



Exam Requirements

In addition to the 22 units of credit, students must also meet the NYS exam requirements to earn a diploma.

To meet the exam requirements, students must pass 4 exams + 1 pathway. All students must pass one exam (Regents exam or Department-approved alternative) in each of the four subject areas (English, mathematics, science, social studies) plus one pathway.



Note: If students are not able to earn a passing score of 65 on Regents exams, they may be eligible for Appeals, Safety Nets, and/or Superintendent Determination. Additional information can be referenced in The New York State Graduation Requirements: Additional Options flyer.

New York State EDUCATION DEPARTMENT
Knowledge › Skill › Opportunity

Pathway Requirements

Multiple pathways allow students choice in the exams they pass to earn a diploma. To complete a pathway, students must:

Arts Pathway	Earn a passing score on a Department-approved pathway exam in the Arts to earn the Arts pathway
CDOS (Career Development and Occupation Studies) Pathway	Complete 216 hours of CTE coursework that includes a minimum of 54 hours of Work Based Learning and complete a career plan and an Employability profile, or pass a Department-approved CDOS pathway exam
CTE (Career and Technical Education) Pathway	Successfully complete a Department-approved CTE program, including 3-5 CTE courses and earn a passing score on the 3-part technical exam
Humanities Pathway	Earn a passing score on one additional Regents exam or Department-approved alternative in English or social studies
World Languages Pathway	Earn a passing score on a Department-approved pathway exam in a world language
STEM (Science, Technology, Engineering, and Mathematics) Pathway	Earn a passing score on one additional Regents exam or Department-approved alternative in mathematics or science



Diploma Types

There are currently three types of high school diplomas: local, Regents, and Regents with Advanced Designation.

Local

All diploma types require students to earn 22 units of credit as outlined in the credit table. Students who meet the credit requirements and use appeals, safety nets, or Superintendent Determination to meet the exam requirements typically earn a local diploma.

Regents

Students who meet the credit requirements and earn passing scores on all required exams earn a Regents diploma. Students can appeal one Regents exam no more than 5 points below passing (60-64) and still earn a Regents diploma.

Regents with Advanced Designation

Students who meet the credit requirements, earn passing scores on all required exams including 2 additional math and 1 additional science, and complete a sequence in LOTE, the Arts, or CTE, earn a Regents diploma with Advanced Designation.

Resources

- General Education and Diploma Requirements
- New York State Diploma Requirements
- New York State Diploma/Credential Requirements
- Commissioner's Regulations (8 CRR-NY §100.5, Diploma Requirements)

Questions?

Contact the Office of Curriculum and Instruction at emscgradreq@nysed.gov or (518)474-5922

Remsen High School Graduation Checklist (Grades 9-12)

Contact the Guidance Office for a personalized copy

Student Name:	School Year:	Current Grade Level:

NYS High School Graduation Requirements

ELA	4 Credits	
☐	9	☐ 12: AP Literature
☐	10	☐ CTE Int. ELA-11th Gr (.5)
☐	11R	☐ CTE Int. ELA-12th Gr (.5)
☐	12	☐ Senior Seminar: Capstone Project

SS	4 Credits	
☐	Global 9	☐ Economics (.5)
☐	Global 10R	☐ Government (.5)
☐	US History R	☐ 20 Community Service Hours

LOTE	1 Credit (3 for Adv Reg)
☐	
☐	
☐	
☐	
☐	Language Exempt?

Art	1 Credit
☐	

Math	3+ Credits	
☐	Algebra R	☐ Real World Math
☐	Geometry R	☐ Math in the Sciences
☐	Algebra II R	☐ CTE Int. Math-11th Gr (.5)
☐	MVCC: Pre-Calc+Calc	☐ CTE Int. Math-12th Gr (.5)
☐	MVCC: Stats + Interm College Alg	

Science	3+ Credits (1 Life, 1 Physical)	
☐	Living Environment	☐ Plant Science
☐	Earth Science	☐ Animal Science
☐	Chemistry	☐ CTE Int. Sci-11th Gr (.5)
☐	Physics	☐ CTE Int. Sci-12th Gr (.5)
☐	AP Chemistry	
☐	AP Biology	

Health	.5 Credit
☐	Health

Phys Ed	2 Credits	
☐	PE 9 (.5)	☐ PE 11 (.5)
☐	PE 10(.5)	☐ PE 12 (.5)

Electives 3.5 Credits (4.5 if Language Exempt)

☐
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REGENTS EXAMS

☐ Safety Net?	☐ Adv. Regents Diploma (8)
Living Environment	Algebra
Earth Science	Geometry
Chemistry	Algebra II
Physics	
Global Studies II	ELA
US History	

Previous Schools Attended:

CTE/Work Based Learning

CTE at Remsen

☐ Career & Financial Management (CFM)-.5
☐ College & Career Readiness (CCR)-.5

Agriculture	Human Development
☐ Intro to Ag (.5)	☐ Child Development (1.0)
☐ Ag Business (.5)	☐ Human Development (1.0)
☐ Plant Sci (1.0)	☐ Food & Nutrition (1.0)
☐ Animal Sci (1.0)	

CTE at OHM BOCES

☐	CTE Course I (2.5 credits)	☐ CTE Course II (2.5 credits)
☐	Integrated Math (.5)	☐ Integrated Math (.5)
☐	Integrated Sci (.5)	☐ Integrated Sci (.5)
☐	Integrated ELA (.5)	☐ Integrated ELA (.5)

Career and Technical Education Certificate & Technical Endorsement

Students who pass a state-approved Career and Technical Education (CTE) program, either at Remsen Central School or at BOCES, will receive a CTE program certificate and an employability profile. CTE students who have earned a CTE certificate as well as a Local, Regents, or Advanced Regents diploma, and pass the CTE technical assessment may also be eligible for a Technical Endorsement stamp on their diploma.

Diploma/Non-diploma High School Exiting Credentials

Career Development and Occupational Studies Commencement Credential

Students are eligible to earn the NYS CDOS Commencement Credential, recognized by the NYS Board of Regents as a certificate that indicates the student has the knowledge and skills necessary for entry level employment. This credential may be a supplement to a regular diploma or may be awarded as the student's exiting credential, for students with disabilities provided the student has attended school for not less than 12 years, excluding Kindergarten.

OPTION 1:

- The student must have developed a Career Plan that includes documentation of the student's self-identified career interests; career-related strengths and needs; career goals; and career and technical coursework and work-based learning experiences that the student plans to engage in to achieve those goals
- The student must have demonstrated achievement of the commencement level CDOS learning standards in the areas of career exploration and development; integrated learning; and universal foundation skills
- The student must have successfully completed at least 216 hours of CTE coursework and/or work-based learning experiences (of which at least 54 hours must be in work-based learning experiences)
- The student must have at least one completed employability profile that documents the student's employability skills and experiences; attainment of each of the commencement level CDOS learning standards; and, as appropriate, attainment of technical knowledge and work-related skills, work experiences, performance on industry-based assessments and other work-related and academic achievements

OR

OPTION 2:

In lieu of a student meeting the requirements of option 1 to be awarded the NYS CDOS Commencement Credential, a district may award a student this credential if the student has met the requirements for one of the nationally recognized work readiness credentials, including but not limited to:

- National Work Readiness Credential
- SkillsUSA Workforce Ready Employability Assessment
- National Career Readiness Certificate WorkKeys - (ACT)
- Comprehensive Adult Student Assessment Systems Workforce Skills Certification System

Non-diploma High School Exiting Credentials

Skills and Achievement Credential

The Skills and Achievement Commencement Credential is available to students with severe disabilities that are assessed using the NYS Alternate Assessment (NYSAA). All students with severe disabilities who attend school for not less than 12 years, excluding Kindergarten exit with this credential which must be accompanied by documentation of the student's skills and strengths and levels of independence in academic, career development and foundation skills needed for post-school living, learning and working.

Program Planning Guide

Program: Six Credit Minimum

Students are required to carry a minimum of six class credits per year in high school. If a course conflict arises, then classes required by New York State for graduation will override an elective. Other conflicts will be discussed between the student and the counselor. Students will be scheduled for electives by the counseling office if they do not meet the six class credit requirement. If there is not a class available during a specific period a study hall will be scheduled. Students with an IEP or 504 Plan will have flexibility regarding the six credit minimum due to their individualized support needs.

Incoming Ninth Grade Students

Eighth grade students will choose ninth grade courses during a Course Selection presentation provided by the school counselor. Students and parents are invited to attend the Freshman Info Session at Back to School Night. Families will learn about high school requirements for graduation, Regents exams, diploma pathways, and more.

Course Changes

The selection of courses entails a very careful and thorough decision-making process. Students will have the opportunity to request schedule changes through the School Counselor. The Counseling Department will adjust for errors, under-enrolled classes, conflicts and make necessary changes.

Students interested in dropping a course must see their counselor **within the first two weeks of the beginning of the course**. Special circumstances will be reviewed by the counselor, teacher, principal, and signed off by a parent on the drop/change class request form. Students will need to obtain the drop/change request form to initiate the process.

Under Enrolled Courses

The Board of Education will review under enrolled courses. The review process may lead to the deletion of a course. *The listing of a course at the time of student enrollment is not a guarantee that it will be taught the following year.* It is our goal to provide students with a comprehensive scope of course offerings at a variety of levels.

Career & Technical Education at Remsen Central School

The Career and Technical Education (CTE) programs at Remsen provide students with the opportunity to earn college credit while pursuing their interest in a career field of their choice. Remsen's CTE programs integrate rigorous academics with relevant career and technical skills. Students participating in CTE programs develop workplace competencies and employability skills while participating in interactive learning activities, internship opportunities, and real world experiences.

The following pathways have been organized to offer students a sequence of courses that can be taken within a specific career path. Please note that **ALL** courses, whether part of a pathway or not, are open to **ALL** students.

CTE Core Courses Required for All Programs

College & Career Readiness (.5)

Career & Financial Management (.5)

Internship

CTE Program Specific Courses

Academy of Agriculture	Academy of Human Development
Core Courses—3 credits **Intro. to Ag, Food & Natural Resources (.5)** **Intro. to Agriculture Business Management (.5)** **Plant Science (1)** **Animal Science (1)**	**Core Courses—3 credits** **Child Development (1)** **Food and Nutrition for Life (1)** **Human Development (1)**

Work-Based Learning Programs

Students attending Remsen Central High School have the opportunity to earn course credit for having a job or for volunteering in school or in the community. Internship opportunities are a privilege and the requirements to participate in the Work-based Learning Programs are stringent. Students must follow an application process and must adhere to strict internship policies. The program is an independent study program and, in some cases, will require that the student provide their own transportation.

Not all internships will be offered each year and participation is at the discretion of the Work-based Learning Coordinator and School Principal.

COMPARISON OF REGISTERED WORK-BASED LEARNING PROGRAMS

	CEIP **Career Exploration Internship Program**	**GEWEP** **General Education Work Experience Program**	**CO-OP** **Cooperative CTE Work Experience Program**
Student age	Age 14+ *	Age 14+*/**	Age 16+*
Paid or unpaid	Unpaid	Paid and unpaid	Paid and unpaid
Diploma credit permissible & worksite hours	.5/54 hrs. 1/108 hrs.	.5/150 hrs. 1/300 hrs. 1.5/450 hrs. 2/600 hrs. 2.5/750 hrs.** 3/900 hrs.**	.5/150 hrs. 1/300 hrs. 1.5/450 hrs. 2/600 hrs.
Related instruction	27 hrs./.5 credit 54 hrs./1.0 credit	At least one period per week	Five periods per week
Experience must relate to classroom instruction	Yes	No	Yes
Training develops career skills	No - focus is career exploration	Yes	Yes

Notes

- All three programs must be overseen by a work-based learning coordinator.
- Students participating in all work experiences must not be placed in a business that does not carry Workers' Compensation insurance.
- Students participating in paid work experiences must be covered by the employer's Workers' Compensation insurance.
- Credit earned in CEIP can be applied toward a 5-unit CTE sequence.

* Students must be in at least grade 9 to earn credit for a registered work-based learning program

** A maximum of one unit of credit can be earned for GEWEP in grades 9 and 10 and a maximum of two units of credit can be earned in grades 11 and above.

Career & Technical Education at BOCES

The Board of Cooperative Educational Services (BOCES) offers vocational training to students in a variety of subject areas. Students spend half of their day taking courses at Remsen Central High School and the other half of their day at the Career & Technical Education Center. Programs generally require a two year commitment.

Students who are interested in attending BOCES Career and Technical Education programs must:

- Have a satisfactory attendance record
- Have earned the following high school credits: 2 English, 2 Social Studies, 2 Math, 2 Science, 1 World Language, 1 Art/Music, and 0.5 Health
- Submit an application and participate in a selection process

BOCES program offerings and application acceptance is subject to BOCES minimum and maximum class size restrictions. BOCES course descriptions are available from the guidance office and through BOCES.

2 Year Programs (4 Credits per year):

Advertising Design / Multimedia Productions

Animal Science (1 year – junior or senior year)

Auto Body Repair

Auto Body / Auto Technology Occupations

Automotive Technology

Conservation

Construction Trades

Cosmetology

Criminal Justice

Culinary Arts

Early Childhood Education

Electricity/Heating Ventilation and Air Conditioning

Emerging Technologies & Cyber Security

Food Service Occupations

Multi-Occupations

Nurse Assistant

Outdoor Power / Recreational Equipment Technology

Welding

New Visions – Seniors Only (4 credits):

Business Management

Communications

Education

Engineering Technology

Health Professions

Legal Professions

Nano-Technology

Performing Arts

Veterinary Science

Junior & Senior High Courses

Agriculture

Agriculture Explorations (7th & 8th grades)

Elective Credit: N/A

Description: This course takes middle school students through an exploration of the daily impact of agriculture and introduces students to the plants, resources, energy, and animals we use and consume due to agricultural technologies. Every lesson includes unique and engaging hands-on activities and projects encouraging student exploration of the agricultural value chain from industry to consumer.

Offered: Yearly

Grade Level: 7^{th}, 8^{th}

Final Assessments: Unit assessments; Final exam

Special Notes: N/A

Prerequisites: None

Introduction to Agriculture, Food & Natural Resources

Elective Credit: 0.5

Description: What do you want to do after high school? Once you graduate, how will you use the science, math, reading, and writing you learned? The agricultural industry may be the answer. Agricultural careers require a wide array of skills from food tasting to construction. In the Introduction to Agriculture and Natural Resources (AFNR) course, you will develop foundational skills leading you to a rewarding career in agricultural science. 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. The Intro to AFNR course enables you to experience all fields of agricultural science and natural resources. Upon completion of the course, you will be prepared to pursue the agricultural career pathway by taking a sequence of courses. Whether you are interested in science, communications, business, or engineering and mechanics, there is an agricultural career awaiting your future.

Offered: Yearly

Grade Level: 9-10

Final Assessments: Unit assessments; Final exam

Special Notes: Required for all students in the Agriculture Pathway.

Prerequisites: None

Agricultural Business Foundations (AGBU101)

Elective Credit: 0.5

Description: This course introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and business concepts. Throughout the course are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community. The primary focus areas of this course include: Starting a business, financial documents, risk management, and writing a business plan. This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 Credits from the College upon successfully completing the class.

Offered: Yearly (Fall)

Grade Level: 10-12

Final Assessments: Unit assessments; Final comprehensive project

Special Notes: Required for all students in the Agriculture Pathway. Students have the opportunity to earn 3 college credits through SUNY Cobleskill.

Prerequisites: None

Natural Resources & Ecology

Elective Credit: 1.0

Description: The Natural Resources and Ecology course is an engaging, hands-on science course that explores the connection between people and the environment. Students will investigate topics such as ecosystems, conservation, water and air quality, soil science, energy, wildlife, agriculture, forestry, and environmental issues affecting our world today. Through labs, projects, field-based activities, and real-world problem solving, students will develop an understanding of how natural resources are used, managed, and protected. Throughout the course, each student will study a selected ecosystem and apply concepts from each unit to better understand the challenges and responsibilities involved in environmental stewardship and sustainability.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments; Final comprehensive project

Special Notes:

Prerequisites: Life Science: Biology

Veterinary Science

Elective Credit: 1.0

Description: Animal Health and Veterinary Science is an interactive, year-long course designed for students interested in animal care, veterinary medicine, and agricultural science. Through hands-on activities, labs, and real-world case studies, students will explore animal health, disease prevention, diagnosis, and treatment while developing valuable technical and problem-solving skills. The course emphasizes inquiry-based learning, allowing students to investigate practical challenges in veterinary science and better understand the factors that influence animal wellness and care. Students will gain experience applying scientific knowledge and industry practices used in animal health and veterinary careers.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments; Final comprehensive project

Special Notes:

Prerequisites: Life Science: Biology

Animal Science (ANSC111)

Elective Credit: 1.0

Description: Do you enjoy working with animals? Would you like to know more about animal behavior, anatomy, and health? Gain foundational knowledge and skills through the Animal Science course to prepare for a career working with animals. Spend the year investigating how animals and humans are dependent upon each other. In addition to animal science, develop the necessary technical communication skills, learn the common mathematics functions used in the animal industry and in taking care of personal companion animals. During class, expand your portfolio of career exploration and leadership development opportunities discovered along the way. Investigate the fascinating and multifaceted animal industry and consider what opportunities lie there for you! This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 Credits from the College upon successfully completing the class.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments; Final comprehensive project

Special Notes: Required for all students in the Agriculture Pathway. Students have the opportunity to earn 3 college credits through SUNY Cobleskill.

Prerequisites: Living Environment

Plant Science (ORHT105)

Elective Credit: 1.0

Description:	This course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting "hands-on" activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 Credits from the College upon successfully completing the class.
Offered:	Yearly
Grade Level:	10-12
Final Assessments:	Unit assessments; Final comprehensive project
Special Notes:	Required for all students in the Agriculture Pathway. Students have the opportunity to earn 3 college credits through SUNY Cobleskill.
Prerequisites:	Living Environment

Agriculture, Power, & Technology

Elective Credit: 1.0

Description:	Agricultural Power and Technology (APT) exposes students to mechanics, power, technology, and career options in the world of agriculture. Students participating in the APT will experience mechanical and engineering concepts with exciting hands-on activities, with two to three labs per week. Students will acquire the basic skills to operate, repair, engineer, and design agricultural tools and equipment. Student's experiences will involve the study of energy, tool operation and safety, material properties, machine operation, and structural components. Students will explore projects and problems similar to those that a tradesperson, technician, or engineer may face in their respective careers. Throughout the course, students will apply engineering principles to the construction of machines and structures.
Offered:	Yearly
Grade Level:	10-12
Final Assessments:	Unit assessments; Final exam
Special Notes:	Agriculture Elective
Prerequisites:	None

Food Science

Elective Credit: 1.0

Description:	Explore the process of producing new foods while meeting safety and nutrition standards. Study food chemistry, safety, processing, marketing, and product development through hands-on activities and projects. You will earn a related certificate for base employment in the food industry during this course. Conclude the course by developing, test marketing, and field-testing your innovative food product. Food Science and Safety includes the following units of study: Introduction to Food Science, Food Chemistry, The Safety of Our Food, Processing and Preservation, Health and Security, Consumers, and Food Product Development. This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 credits from the College upon successfully completing the class.
Offered:	Yearly
Grade Level:	10-12
Final Assessments:	Unit assessments; Final exam; Comprehensive Projects
Special Notes:	Students have the opportunity to earn 3 college credits through SUNY Cobleskill.
Prerequisites:	Living Environment, Chemistry is preferred

Art

All students must earn 1 credit in Music or Art to graduate.

ART 7

Credit: N/A

Description: In this course, students will explore creative concepts through a range of artistic mediums, techniques, and processes. They will learn to apply the elements of art and principles of design, fostering an appreciation for the creative process and visual imagery.

Offered: Yearly

Grade Level: 7

Final Assessments: Midterm and final comprehensive projects.

Special Notes: None

Prerequisites: None

ART 8

Credit: N/A

Description: Students will further develop their active and positive participation in the creative artistic process and expand their proficiency in commonly used art media, techniques, and processes introduced in 7th grade. They will refine their skills through observation, analysis, practice, and exploration.

Offered: Yearly

Grade Level: 8

Final Assessments: Midterm and final comprehensive projects.

Special Notes: None

Prerequisites: ART 7

Studio Art

Elective Credit: 1

Description: Students will further develop their active and positive participation in the creative artistic process and expand their proficiency in commonly used art media, techniques, and processes introduced in junior high. They will refine their skills through observation, analysis, practice, and exploration.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Midterm and final comprehensive projects.

Special Notes: This course meets the fine arts graduation requirement.

Prerequisites: None

Advanced Art

Elective Credit: 1

Description: This course is for the serious art student who is interested in exploring a variety of art media at very high levels. Students will conceive, plan, and execute individual art projects in the following three areas: Drawing portfolio, 2-D design portfolio, or 3-D design portfolio. Advanced Art emphasizes independent working by the student and involves a significant commitment to the course. Students will have the opportunity to prepare an extensive body of work for possible submission as a college portfolio.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments and final comprehensive projects.

Special Notes: None

Prerequisites: Studio Art

Career & Technical Education Required Courses

College & Career Readiness

Elective Credit: 0.5

Description:	Students in this course will learn the skills to begin the process of planning for their future. Through career exploration, students will map a plan for their studies throughout high school and beyond. Students will develop a career plan and portfolio in which they will collect and organize information and documents related to their future education plans, career goals, and employability skills. The students will continually update, and refine the plan and portfolio as they advance through high school.
Offered:	Yearly to all students, required by CTE students
Grade Level:	9-12
Final Assessments:	Midterm and final comprehensive projects.
Special Notes:	Open to all students, CTE Core Course.
Prerequisites:	None

Career & Financial Management

Elective Credit: 0.5

Description:	Learn financial survival skills that you will be able to use your whole life. During this course, you will discover how to efficiently handle personal finance as you make the transition to independent living. Topics include budgeting, bankcards (debit, credit and ATM), checking and savings accounts, electronic banking, insurance (life, property, health, and auto), and investments (stocks, bonds, mutual funds and real estate). Students will continue their career planning, write a resume, fill out a job application and handle job interview skills.
Offered:	Yearly to all students, required by CTE students
Grade Level:	10-12
Final Assessments:	Local Exam
Special Notes:	Open to all students, required for all CTE students. Recommended to be taken during your junior or senior year of high school.
Prerequisites:	None

Distance Learning Classes

MVCC Psychology (PY101)

Credit: 0.5

Description: This course is an introductory course in psychology designed to help provide a foundation in psychology for students who are college-bound and those who are not. It attempts to survey the major schools of psychology, human behavior and development from birth to death, personality, learning and intelligence and the causes and treatment of mental illness. The course is designed to enable students to better understand themselves, their peers and family groups.

Offered: Yearly via distance learning

Grade Level: 11-12

Final Assessments: College Exam

Special Notes: MVCC College Credit: 3

Prerequisites: None

MVCC Sociology (SO101)

Credit: 0.5

Description: This is a survey course that provides the foundations of sociology for students who are college-bound and those who are not. The major topics include the institutions of religion, government, family and education and their impacts on society. The course is problem-centered and deals with the problems of youth rebellion, marriage, minorities, poverty, crime, urban and rural problems and others that may be current. Emphasis is also placed on methods used in sociological research.

Offered: Yearly

Grade Level: 11-12

Final Assessments: College Exam

Special Notes: MVCC College Credit: 3

Prerequisites: None

American Sign Language I

Credit: N/A

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

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Checkpoint A Exam

Special Notes: ASL I is a Distance Learning Course; This course satisfies the criteria required by New York State to earn the Languages other than English (LOTE) course credit.

American Sign Language II

Credit: 1

Description: ASL 2 is the second of a series of four sequential courses that will teach students introductory level vocabulary, grammar structure, Deaf history, and the cultural background needed to communicate with Deaf individuals. Instruction will include the language functions, asking for and giving information, making requests, giving directions, agreeing and disagreeing, expressing likes and dislikes, introducing classifiers and facial expressions as important components of ASL grammar, as well as many other skills required to communicate on a novice-high level. ASL 2 offers students a variety of experiences that will increase their awareness of the world around them. Likewise, the multimedia exposure students experience in this class will help them better understand the Deaf culture.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Special Notes: ASL I is a Distance Learning Course

Prerequisites: ASL I

English

All students must take the English Regents and are required to earn 4 high school English credits to graduate.

English 7

Credit: N/A

Description: In ELA Grade 7, students are introduced to various social themes through works of fiction and poetry. Through the lens of these works, students are given different sources of nonfiction background information from which they are prompted to make connections to literature. Students are also prompted to complete writing in a more technical and academic manner and complete academic research, fostering college and career readiness. Students also complete a nonfiction autobiography unit as well as a novel unit. ELA 7 builds on basic reading, writing, and comprehension skills and stresses the use and analysis of both new and unknown vocabulary words, academic procedural language, and best-answer format multiple choice questions.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

English 8

Credit: N/A

Description: English 8 will build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually includes the four aspects of language use: reading, writing, speaking and listening. Additionally, English 8 scaffolds from students' prior knowledge in 7th grade of novels, poetry, and short stories, while linking non-fiction reading selections to various themes of literature. Students will continue to be introduced to formal and academic writing and will complete a formal research project and paper.

Offered: Yearly

Grade Level: 8

Final Assessments: Local Exam

Special Notes:

Prerequisites: English 7

English 9

Credit: 1

Description: In ELA Grade 9, students are expected to begin to critically analyze literature by becoming familiar with a range of literary and dramatic devices, upper level conventions of standard written English, and the recurring themes of literature which relate to political and social elements in historical contexts and the world today. Students are exposed to a classic Shakespearean play, realistic fiction, and a classic epic poem, as well as other shorts stories and poems. Students will also work with nonfiction information to serve as background knowledge to enhance their respective unit of study. Critical thinking and academic research skills are fostered for college and career readiness. Throughout the year, students begin to prepare for their New York State English Regents with exposure to Regents-aligned multiple choice questions and writing prompts.

Offered: Yearly

Grade Level: 9

Final Assessments: Local Exam

Special Notes:

Prerequisites: English 8

English 10

Credit: 1

Description: Tenth grade English uses a variety of literary sources including short stories, drama, poems, and novels to enhance student understanding of literary forms, style and themes with a balanced focus on composition and literature. Students will develop their ability to analyze literary structure to determine the author's intent and theme and to recognize the techniques used to deliver the author's message. Written emphasis is on vocabulary, usage, grammar and mechanics through written composition of persuasive, critical and creative multi-paragraph essays and compositions.

Offered: Yearly

Grade Level: 10

Final Assessments: Local Exam

Special Notes:

Prerequisites: English 9

English 11/MVCC English (EN101)

Regents Credit: 1

Description: American literature is the focus of eleventh grade English. Using poetry, short stories, and full-length literary works, students will analyze, listen, evaluate and write within the historical context of the growth of the United States. Students will continue to develop their writing skills, emphasizing clear, logical/writing patterns, word choice, and usage as students write essays and begin to learn the technique of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

Offered: Yearly

Grade Level: 11

Final Assessments: Local exam; ELA Common Core Regents Exam.

Special Notes:

Prerequisites: English 10

English 12

Core Credit: 1

Description: English 12 targets college and career readiness. Students will interpret texts through the use of multiple literary theories and will develop awareness of a writer's perspective. The texts that students are exposed to represent a diverse world view and are geared toward developing critical thinking, discussion, listening, and collaborative skills. This course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers as well as reading and analyzing texts from various genres.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam

Special Notes:

Prerequisites: English 11

AP Literature

Credit: 1

Description: AP English Literature and Composition is a reading and writing intensive class that serves as an introductory college-level literary analysis course. Students will foster their understanding of literature while focusing on various concepts such as character, setting, structure, perspective, and figurative language with the goal of completing comprehensive literary analysis. Critical thinking skills will be utilized and class discussion will be a primary component of the in-class setting. It is recommended that students have an average of 90 percent or higher in their previous English courses, including the NYS English Regents Examination, to ensure successful completion of this course. There is a summer reading requirement to be obtained at the end of prospective students' junior year. The Advanced Placement Examination is required of all students taking this course. This class may be offered in conjunction with MVCC Dual Credit English. All AP students will also earn 3 credits for EN101.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam; AP exam required

Special Notes: AP exam fee required.

Prerequisites: English 11 and recommendation of the instructor.

MVCC Effective Speech (EN150)

Credit: 1

Description: EN150 is an introduction to public speaking. It emphasizes the fundamentals of preparing, organizing, supporting, and delivering a speech based on factual material. Topic selection, audience analysis, fact vs. opinion, outlining, supporting material and visual support are included. Informative, demonstrative, and persuasive speeches are presented. Elements of interpersonal communication, logic, and persuasion are discussed. This course may be offered in conjunction with Senior Seminar.

Offered: Yearly
Grade Level: 12
Final Assessments: Local Exam
Special Notes: MVCC College Credit: 3
Prerequisites: MVCC EN101

Senior Seminar

Core Credit: 0.5

Description: This seminar course is for all seniors who are preparing to go to college and/or enter the workforce. Students will be encouraged to work on a college essay and/or complete career or technical program research. The course offers students a brief introduction to philosophy, logical fallacies, debate and discussion skills, citizenship, and activism and environmentalism. The course also stresses public speaking and presentation skills. Objectives include completing presentations, speeches, discussion circles, reflective writing, business writing, and cover letter and resume writing. Students will also work on interview skills and participate in a senior project.
Offered: Yearly
Grade Level: 12
Final Assessments: Local Exam
Special Notes:
Prerequisites: None

Family & Consumer Science (FACS)

Home and Careers 7

Credit: N/A

Description: This class will focus on food and nutrition, cooking skills and the importance of recycling. Topics on food and nutrition include analyzing nutrition labels, food groups, and identifying healthy food choices. Cooking skills include learning about and correctly using kitchen equipment, kitchen safety, and basic cooking skills. Students will also learn about what can be recycled, the importance of recycling, and the impact on our environment.

Offered: Yearly

Grade Level: 7

Final Assessments: Local exam

Special Notes:

Prerequisites: None

Home and Careers 8

Credit: N/A

Description: The 8th grade Home and Careers course is centered around teamwork and collaborative projects. This class will focus on career choices, life skills, a mass production project and the importance of community service. Topics include types of career options, work based job skills, budgeting, financial literacy, and a community centered service learning project.

Offered: Yearly

Grade Level: 8

Final Assessments: Local exam

Special Notes:

Prerequisites: None

Child Development (CBSKL ECHD170)

Elective Credit: 1

Description: Do you enjoy working with children? This fun, unique program prepares students to work with children in early education and child care settings. Physical, social, emotional and intellectual development of children from birth through adolescence will be studied and observed. Students will learn theories of development and growth as well as techniques to use when working with children through class activities, presentations, discussion, videos, guest speakers and field trips. Pre-school lessons will be prepared and implemented by students.

Offered:

Grade Level: 10-12

Final Assessments: Local exam

Special Notes: This is a core course for the Human Development and Child Care pathway. Open to all students, required for all FACS CTE students, non-FACS CTE elective. Students have the opportunity to earn 3 college credits through SUNY Cobleskill.

Prerequisites:

Food & Nutrition for Life (CAHT210/210X)

Elective Credit: 1

Description: Food & Nutrition for Life is designed to help students understand how to provide for the nutritional needs of themselves and others while maintaining overall health and wellness. Students are exposed to different cooking techniques that they will execute during cooking labs. Students will also go through the six essential nutrients, learn how to read nutrition facts labels, and how to make nutritious foods.

Topics include:

- nutrition awareness
- meal management
- food purchasing
- food preparation
- meal service
- related career exploration

Offered:

Grade Level: 10-12

Final Assessments: Local exam

Special Notes: Students with food allergies must have documentation on file with the school nurse. This is a core course for the Human Development and Child Care pathway. Open to all students, required for all FACS CTE students, non-FACS CTE elective. Students have the opportunity to earn 3 college credits through SUNY Cobleskill.

Prerequisites: None

Human Development

Elective Credit: 1

Description: This course is designed to introduce students to the fundamentals of human growth and development. Students will relate the effects of heredity and environment from birth through death. This course is a great foundation for students interested in psychology, sociology and childhood development.

Topics in this course include:

- Meeting the needs of exceptional children
- Promoting optimum growth and development (prenatal, infancy, toddler, preschool, and school-age stages)
- Careers in child/human development

Offered:

Grade Level: 10-12

Final Assessments: Local exam

Special Notes: Open to all students, CTE elective

Prerequisites: None

Health

All students must earn 0.5 Health credit to graduate.

Jr High Health

Credit: N/A

Description: Junior High Health is a 20 week course mandated by New York State for all junior high students. Course content topic areas are: self-concept, individuality, values, peer pressure, anger management, constructive communication, mental health, family social health, drugs, alcohol, tobacco, diseases, disorders, growth development and career topics.

Offered: Yearly

Grade Level: 8

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

Health

Core Credit: 0.5

Description: Health Education provides information about fundamental issues that relate to the everyday lives of teenagers. The goal is to provide students with the knowledge and skills to take responsibility for their own personal growth, make informed decisions, maintain healthy behaviors, and coping strategies and be healthy and productive citizens. Physical health, sociologic health problems, environmental and community health and education for survival, as well as family life will be covered.

Offered: Yearly

Grade Level: 10

Final Assessments: Local Exam

Special Notes: This course satisfies the New York State Health graduation credit requirement.

Prerequisites: None

Math

All students must earn 3 math credits to graduate and must pass at least 1 math regent. An integrated course in mathematics/science/technology may be used as the third required unit of credit in Mathematics. The math criteria for an Advanced Regents diploma requires a student to pass 3 math regents exams. Students seeking to meet the criteria for an Advanced Regents – STEM (Mathematics Pathway) diploma must pass 3 math regents exams and an additional state approved math assessment.

Math 7

Credit: N/A

Description: Seventh grade mathematics teaches students how to read, understand, and engage in the critical thinking process across the spectrum of general mathematics topics.

Topics include:

- developing understanding of and applying proportional relationships
- developing understanding of operations with rational numbers and working with expressions and linear equations
- solving problems involving scale drawings and informal geometric constructions, and working with two and three-dimensional shapes to solve problems involving area, surface area, and volume
- drawing inferences about populations based on samples.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

Math 8

Credit: N/A

Description: Eighth grade mathematics is designed to expand upon the topics and strategies learned in 7th grade to prepare students for Algebra.

Topics include:

- formulating and reasoning about expressions and equations
- modeling an association in bivariate data with linear equation
- solving linear equations and systems of linear equations
- grasping the concept of a function and using functions to describe quantitative relationships
- analyzing two and three-dimensional space and figures using distance, angle, similarity, and congruence
- understanding and applying the Pythagorean Theorem.

Offered: Yearly

Grade Level: 8

Final Assessments: Local Exam, NYS Math 8 Exam

Special Notes:

Prerequisites: Math 7

Algebra

Regents Credit: 1

Description: This course will formalize and extend the mathematics that students learned in the middle grades and will prepare students to take the Algebra Regents Exam. In this exam, students will be measured on their conceptual understanding, procedural fluency, and problem solving skills.

Topics that will be covered during the year are:

- interpreting the structure of expressions
- performing arithmetic operations on polynomials
- creating equations that describe numbers or relationships
- understanding solving equations as a process of reasoning and explaining the reasoning
- solving equations and inequalities in one variable
- representing and solving equations and inequalities graphically
- understanding the concept of a function and using functional notation
- interpreting functions that arise in applications and linear models.

Offered: Yearly

Grade Level: 9

Final Assessments: Local Exam; Algebra Regents Exam

Special Notes: Graphing calculators are provided by the school. Algebra Lab required.

Geometry

Regents Credit: 1

Description: Geometry is the second Regents math course within the mathematics series for high school students. This course will formalize and extend students' geometric experience from the middle grades, a story of ratios. Topics in this course include:

- congruence and similarity of triangles, transformations, properties of triangles, quadrilaterals, circles, regular pyramids, cylinders, cones, spheres, constructions, locus, reasoning and proofs.
- understanding congruence in terms of rigid motions
- proving geometric theorems using congruence and similarity
- understanding similarity in terms of similarity transformations
- defining trigonometric ratios and solve problems involving right triangles
- using coordinates to prove simple geometric theorems algebraically
- applying geometric concepts in modeling situations.

Offered: Yearly

Grade Level: 10

Final Assessments: Local Exam; Geometry Regents Exam

Special Notes: Graphing calculators are provided by the school. Geometry Lab required.

Prerequisites: Algebra

Algebra 2

Regents Credit: 1

Description: Algebra 2/Trigonometry is the culminating course of the three units of credit required for a Regents Diploma with Advanced Designation. The purpose of the course in Algebra 2/Trigonometry is two-fold. First, to build on the students' prior knowledge of linear, quadratic, and exponential functions while expanding to include polynomial, rational, and radical functions. Second, continuing to model and solve functional situations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

The major topics of this course include:

- extending the properties of exponents to rational exponents
- interpreting the structure of expressions
- writing expressions in equivalent forms to solve problems
- understanding the relationship between zeros and factors of polynomials
- understand that solving equations is a process of reasoning and explaining the reasoning
- representing and solving equations and inequalities graphically
- interpreting functions that arise in applications
- building a function that models a relationship between two quantities
- making inferences and justifying conclusions from sample surveys, experiments and observational studies.

Offered: Yearly

Grade Level: 11

Final Assessments: Local Exam; Algebra 2 Regents Exam

Special Notes: Graphing calculators are required for use by the student.

Prerequisites: Geometry

Mathematics in the Sciences

Credit: 1

Description: Mathematics in the Sciences is a course designed to introduce students to the use of mathematical methods in scientific research. The course will cover a range of topics, including indirect measurement, statistics in psychology, prediction, and physics with an emphasis on kinematics. Students will develop a range of mathematical and analytical skills, including data analysis, modeling, problem solving, and writing scientific research papers that will be useful in both academic and professional settings.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments and final comprehensive projects

Special Notes: Open to all students, Non-Regents Math credit

Prerequisites: None

Real World Math

Elective Credit: 1

Description: Real World Math is intended to teach and strengthen math skills which are used in real world applications. The course uses real world scenarios to correlate math to everyday activities. Students will be learning mathematical skills of varying degrees and applying those skills in a variety of means. Most units will have an associated hands-on project to apply the math covered in the course.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments and final comprehensive projects

Special Notes: Open to all students, Non-Regents Math credit

Prerequisites: None

MVCC Elementary Statistics (MA110)

Elective Credit: 0.5

Description: This course is dual credit with MVCC and introduces probability and statistics. Topics include graphs, tables, frequency distributions, measures of central tendency and dispersion, normal distribution, correlation and regression, probability, and inferential statistics.

Offered: Rotation

Grade Level: 12

Final Assessments: MVCC Exam

Special Notes: Graphing calculators are required for use by the student. MVCC College Credit: 3

Prerequisites: Algebra

MVCC Intermediate Mathematics (MA115)

Elective Credit: 0.5

Description: This course is dual credit with MVCC and introduces intermediate algebra-level knowledge and skills. Topics include exponents and radicals, polynomials and rational expressions, functions and relations and their graphs, inequalities, and systems of linear equations. Linear, quadratic, rational, and radical equations are solved.

Offered: Yearly

Grade Level: 12

Final Assessments: MVCC Exam

Special Notes: A scientific calculator is required. MVCC College Credit: 4

Prerequisites: Algebra

MVCC Pre-Calculus (MA150)

Core Credit: 1

Description: This course is dual credit with MVCC. Precalculus is a course designed to prepare students for advanced topics in calculus. The course includes a review of algebra, the properties and graphs to polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions. Topics include introduction to mathematical argument and conic sections. Emphasis is placed on the function concept and appropriate language of mathematics.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam, MVCC Final Exam

Special Notes: MVCC College Credit: 3

Prerequisites: Algebra 2

MVCC Calculus (MA151)

Core Credit: 1

Description: This course is dual credit with MVCC. As a full year mathematics course, it is the first in a sequence of three courses in analytical geometry and calculus for students intending to transfer to programs that require a thorough background in calculus. Topics include limits and continuity, differentiation of algebraic and trigonometric functions, and indefinite and definite integration. Applications from Physics will be included.

Offered: Rotation

Grade Level: 12

Final Assessments: Local Exam, MVCC Final Exam

Special Notes: MVCC College Credit: 3

Prerequisites: Algebra 2/Trigonometry

Music

All students must earn 1 credit in Music or Art to graduate.

Jr High Band

Credit: N/A

Description: The Concert Band is designed to provide a musical experience for students interested in developing their technical proficiency on individual instruments and to gain a broader appreciation of music. All Band students are provided the opportunity to participate in the weekly instrumental class lessons devoted to the development of individual musicianship through progressive studies and exercises.

Offered: Yearly

Grade Level: 7-8

Final Assessments: Local Exam

Prerequisites: Previous band experience required.

High School Band

Elective Credit: 0.5

Description: The Concert Band is designed to provide a musical experience for students interested in developing their technical proficiency on individual instruments and to gain a broader appreciation of music. All Band students are provided the opportunity to participate in the weekly instrumental class lessons devoted to the development of individual musicianship through progressive studies and exercises.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Prerequisites: Previous band experience required.

Jr High Chorus

Elective Credit: N/A

Description: The JR Chorus is composed of students who show an interest in music and are capable of performing a wide variety of choral literature, representative of styles from the Renaissance to the present. Public performances are stressed and required from all members.

Offered: Yearly

Grade Level: 7 & 8

Final Assessments: Local Exam

Special Notes: Mandatory for all 7th grade students unless enrolled in Jr. High Band.

Prerequisites: None

High School Chorus

Elective Credit: 0.5

Description: HS Chorus is a continuation of JR Chorus and is composed of students who continue to show an interest in music and are capable of performing a wide variety of choral literature, representative of styles from the Renaissance to the present. Public performances are stressed and required from all members.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Prerequisites: None

Music Appreciation (HU106)

Elective Credit: 1

Description: 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.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: None

Music Theory

Description: This course is 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.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: None

History of Musical Theatre

Description: This course follows the history of musical theatre. Starting with European Opera, through the lighthearted wit of Operetta, tracing how these traditions crossed the Atlantic to collide with American Vaudeville, Jazz, and Tin Pan Alley. Students will analyze how the "integrated musical" transformed from simple song-and-dance spectacles into a sophisticated art form capable of tackling complex social issues, politics, and the human condition. From the "Golden Age" giants to the boundary-pushing "Mega-Musicals" and contemporary hip-hop revolutions, this course explores how the stage reflects society through the eras.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: None

Physical Education

All students must earn 2 Physical Education credits to graduate.

The high school course descriptions presented here communicate the essence of the high school physical education experience. The content articulates the knowledge, skills, and confidence students need to maintain meaningful physical activity throughout their lifetime. The course sequence provides a blueprint for delivering the content in a manner that equips students to make a successful transition from the physical education instructional program to participation in physical activity during adulthood. The adult lifestyle demands that individuals initiate and monitor their own participation in physical activity. Family responsibilities, career demands, and individual choices influence physical activity patterns.

High School PE (9-10) provides the foundation for high school instruction. Students develop proficient movement skills in each area of physical education; expand their capabilities for independent learning; and examine practices that allow for sound decision making to enhance successful participation in movement activities.

High School PE (11-12) provides students with the opportunity to explore a variety of physical activities in search of one they can enjoy and participate in for a lifetime. Students will continue to participate in a program which offers a variety of lifetime, team and conditioning activities. Emphasis is placed on active participation, skill development and knowledge competencies in selected activities. Students will also participate in periodic physical fitness testing during the school year.

Activities found in this program can be but are not limited to the following:

- Soccer
- Flag Football
- Ultimate Games
- Speedball
- Team Handball
- Archery
- Volleyball
- Basketball
- Floor Hockey
- Pickleball
- Badminton
- Track & Field
- Ultimate Frisbee
- Lacrosse
- Softball

Physical Education 7 & 8

Credit: N/A

Description: Students are generally scheduled for PE classes by grade level. Focus in all PE classes is on age-specific health and fitness concepts. Specific focus in grades 7 & 8 is on the principles of health fitness and education. Students participate in individual, dual and team sports and are instructed on rules, skills and other activity-related concepts. Students are scheduled for PE class every other day.

Offered: Yearly

Grade Level: 7 & 8

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

Physical Education 9-10

Core Credit: 0.5

Description: The focus of this course is a continuation from Junior High on the principles of health fitness and education. In addition, students will be introduced to team sports, problem solving, teamwork, trust, communication, cooperation and personal goal setting.

Offered: Yearly

Grade Level: 9-10

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

Physical Education 11-12

Core Credit: 0.5

Description: Lifelong physical activity is the foundation for a healthy, productive and fulfilling life. The focus for 11th and 12th grade is on the development of skills, knowledge and positive attitudes in individual lifetime activities, outdoor pursuits and wellness. Each class will include a unit on instruction from team sports.

Offered: Yearly

Grade Level: 11-12

Final Assessments: Local Exam

Special Notes:

Prerequisites: None

Science

All students must earn 3 science credits to graduate and must pass at least 1 science Regents. The science criteria for an Advanced Regents diploma requires a student to pass 2 science regents exams. Students seeking to meet the criteria for an Advanced Regents with Mastery in Science diploma must pass 3 science Regents exams. An integrated course in mathematics/science/technology may be used as the third required unit of credit in Science.

Science 7

Credit: N/A

Description: Seventh grade science is a life science course covering topics such as homeostasis, life processes, cells, cell division, and asexual reproduction, genetics, evolution, classification, ecology, and human body systems. Students are introduced to a variety of lab experiences that foster the development of problem-solving and decision making using the scientific method.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Exam;

Special Notes:

Prerequisites: None

Science 8

Credit: N/A

Description: Eighth grade science is a physical science course that includes the study of physics, chemistry and earth science. Some of the topics covered include astronomy, volcanoes and earthquakes, weather, matter, chemical and physical changes, energy and motion. This course is the basis for future physical science courses.

Offered: Yearly

Grade Level: 8

Final Assessments: Local Exam;

Special Notes:

Prerequisites: Science 7

Life Science

Life Science: Biology

Regents Credit: 1

Description: An NGSS-aligned life science/biology course focused on foundational principles of modern life science, incorporating science and engineering practices, and exploring topics like ecosystems, evolution, and cell structure and function.
Life Science focuses on the topics of chemistry, human body systems, reproduction and development, genetics and heredity, evolution, and ecology. The course is heavily dependent on the laboratory experience and culminates in a Regents examination.

Offered: Yearly

Grade Level: 9

Final Assessments: Life Science: Biology Regents Exam

Special Notes: Students must successfully complete 1,200 minutes of NY State mandated hands-on laboratory work and acceptable written reports in order to be eligible to sit for the regents exam. Life Science: Biology Lab required.

Prerequisites: Science 8

AP Biology

Core Credit: 1

Description: Advanced Placement Biology provides students with the opportunity to pursue an in-depth study of general biology through a laboratory-oriented approach. College course credit or placement may be obtained through the Advanced Placement Biology Exam. A great deal of emphasis will be placed on laboratory activities and the study of the text.

In this course, students should expect to devote a moderate amount of time beyond the scheduled class periods in completing laboratory activities and one final project. Areas of study will include Chemical Basis of Biology, Cells,

Enzymes, Energy Transformations, Cell Reproduction, Heredity and Genetics, Cell Specialization, Origin of Life, Structure and Function in Plants, Plant Development, Animal Development, Ecology and Evolutionary Biology. Class is scheduled for 6 periods in a 4-day schedule with 2 classes within the six periods providing for laboratory experience. The Advanced Placement Exam is required for all students taking this course.

Offered: Year B

Grade Level: 11, 12

Final Assessments: Local Exam; AP exam required

Special Notes: AP Biology Lab: 0409 required; AP exam fee required

Prerequisites: Living Environment and Chemistry

Physical Science

Earth & Space Science

Regents Credit: 1

Description: An NGSS-aligned Earth and Space Science course that explores Earth's systems, processes, and history, including the geosphere, hydrosphere, atmosphere, and cryosphere, along with space exploration and the universe. Earth and Space Sciences is a Laboratory course utilizing the process of scientific investigation through the study of the physical world. The course focuses on the topics of geography, geology, meteorology, and astronomy. The course is heavily dependent on the laboratory experience and culminates in a Regents examination.

Offered: Yearly

Grade Level: 10

Final Assessments: Earth and Space Sciences Regents Exam

Special Notes: Students must successfully complete 1,200 minutes of NY State mandated hands-on laboratory work and acceptable written reports in order to be eligible to sit for the exam. Earth and Space Sciences Lab required.

Prerequisites: 8th Grade Science, or accelerated pathway

Chemistry

Regents Credit: 1

Description: Chemistry is the study of various types of matter and how they interact with each other through both physical and chemical changes. Topics include: Atomic Concepts, Periodic Table, Moles/Stoichiometry, Bonding, Physical Behavior of Matter, Kinetics/Equilibrium, Organic Chemistry, Oxidation-Reduction, Acids, Bases and Salts, and Nuclear Chemistry.

Offered: Yearly

Grade Level: 10, 11, 12

Final Assessments: Local Exam; Chemistry Regents Exam

Special Notes: Students must successfully complete 1,200 minutes of NY State mandated hands-on laboratory work and acceptable written reports in order to be eligible to sit for the exam. Chemistry Lab: 00411 required.
This course is recommended for students interested in pursuing a career in the medical field.

Prerequisites: Living Environment

AP Chemistry

Core Credit: 1

Description: Chemistry is the study of various types of matter and how they interact with each other through both physical and chemical changes. Topics include: Atomic Concepts, Periodic Table, Moles/Stoichiometry, Bonding, Physical Behavior of Matter, Kinetics/Equilibrium, Organic Chemistry, Oxidation-Reduction, Acids, Bases and Salts, and Nuclear Chemistry. The Advanced Placement exam is required for all students taking this course.

Offered: Year A

Grade Level: 11, 12

Final Assessments: Local Exam; AP exam required

Special Notes: AP Chemistry Lab: 0413L required; AP exam fee required

Prerequisites: Living Environment, Chemistry, Algebra 2

Physics

Regents Credit: 1

Description: Physics is the study of the forces and interactions among objects in the physical world. Topics in this course include Kinematics, force, dynamics, momentum, conservation of energy, electricity, wave energy, light and modern physics.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam; Physics Regents Exam

Special Notes: Students must successfully complete 1,200 minutes of NY State mandated hands-on laboratory work and acceptable written reports in order to be eligible to sit for the exam. Physics Lab: 0415 required.

Prerequisites: Algebra, Geometry, Living Environment

Non-Regents Science

Anatomy & Physiology (A&P)

Description: A&P is an advanced science course designed to provide students with a comprehensive understanding of the human body. Students will explore relationships between the structure (anatomy) and function (physiology) of cells, tissues, organs, and organ systems. Through a combination of lectures, laboratory activities, and dissections, students will learn how these systems work together and gain hands-on experience and critical thinking skills.

Offered: Yearly

Grade Level: 10, 11, 12

Final Assessments: Local Exam

Special Notes: This course is recommended for students interested in pursuing a career in the medical field.

Prerequisites: Living Environment, Chemistry

Animal Science (ANSC111)

Description: Do you enjoy working with animals? Would you like to know more about animal behavior, anatomy, and health? Gain foundational knowledge and skills through the Animal Science course to prepare for a career working with animals. Spend the year investigating how animals and humans are dependent upon each other. In addition to animal science, develop the necessary technical communication skills and learn the common mathematics functions used in the animal industry and in taking care of personal companion animals. During class, expand your portfolio of career exploration and leadership development opportunities discovered along the way. Investigate the fascinating and multifaceted animal industry and consider what opportunities lie there for you! This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 Credits from the College upon successfully completing the class.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments; Final exam

Special Notes: Required for all students in the Agriculture Pathway

Prerequisites: Living Environment

Plant Science (ORHT105)

Elective Credit: 1

Description: This course provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Students will discover the value of plant production and its impact on the individual, the local, and the global economy. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. This course has a partnership agreement with SUNY Cobleskill for 10th-12th grade students to receive 3 Credits from the College upon successfully completing the class.

Offered: Yearly

Grade Level: 10-12

Final Assessments: Unit assessments; Final exam

Special Notes: Required for all students in the Agriculture Pathway

Prerequisites: Living Environment

Social Studies

All students must earn 4 Social Studies credits to graduate and must pass at least 1 Social Studies Regents. Students seeking to meet the criteria for a Regents diploma using the Humanities Pathway must pass a second Social Studies Regents exam.

Social Studies 7

Credit: N/A

Description: Grade 7 Social Studies is arranged chronologically and incorporates geography as well as economic, social, and political trends. The course content is divided into eight Key Ideas, tracing the human experience in the United States from pre-Columbian times until the Civil War, with a focus on the people, events, and places in New York State as applicable.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: None

Social Studies 8

Credit: N/A

Description: Grade 8 Social Studies is arranged chronologically, beginning with Reconstruction and ending at the present, and incorporates geography as well as economic, social and political trends. The course content is divided into nine Key Ideas; the first seven trace the human experience in the United States from Reconstruction to the end of World War II. The last three Key Ideas examine different themes in United States and New York State history from the post-War period up to the present day, which provides the opportunity to explore contemporary issues.

Offered: Yearly

Grade Level: 8

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: Social Studies 7

Global History 9 (HI103)

Core Credit: 1

Description: Global History and Geography is the first-year of a two-year course. Students develop skills that will be used on the New York State Regents Examination in Global History and Geography. Students cover the history of the world from the Neolithic Age through the 18th century. Topics include: cultural diffusion, migration, belief systems, geography, interdependence, trade, conflict, power, and scarcity.

Offered: Yearly

Grade Level: 9

Final Assessments: Local Exam

Special Notes: MVCC College Credit: 3

Prerequisites: Social Studies 8

Global History 10 (HI104)

Core Credit: 1

Description: Global History 10 is the second year of global history culminating in the New York State Regents Examination in Global History and Geography. The Regents Exam contains information related to Global History and Geography from 1750 C.E. but with skills developed in the 9th grade course. This course explores human history from the Industrial Revolution to the present day. Topics include imperialism, nationalism, revolutions, and 20th century conflicts. Students will analyze primary documents and write DBQ and thematic essays in preparation for the New York State Regents exam.

Offered: Yearly

Grade Level: 10

Final Assessments: Local Exam; Global History and Geography Regents Exam

Special Notes: MVCC College Credit: 3

Prerequisites: Global History 9

US History 11

Regents Credit: 1

Description: Students explore in-depth social, political, and economic trends in United States history in a cross-topical study that focuses on active citizenship. The themes of study include: Civil Rights, wealth, class and conflict in America, technology and social change, the role of the United States in the world, American land and its people.

Offered: Yearly

Grade Level: 11

Final Assessments: Local Exam; US History and Government Regents Exam

Special Notes: The course is designed to prepare students for the New York State Regents Exam in U.S. History and Government.

Prerequisites: Global History 10

AP US History (HI111 & HI112)

Elective Credit: 1

Description: AP United States History is an introductory college level United States History course. Students learn the analytical skills and enduring understandings necessary to critically evaluate the problems and historical materials in United States history. Students will measure relevance, importance, reliability, and interpretations. Students will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format. AP exam required for all students taking this course. This class may be offered in conjunction with MVCC Dual Credit US History. All AP students will also earn 3 credits for HI111/112.

Offered: Yearly

Grade Level: 11

Final Assessments: Local Exam; AP US History exam required, US History and Government Regents Exam

Special Notes: AP exam fee required

Prerequisites: Global History 10

Economics

Core Credit: 0.5

Description: Economics is designed to provide all students with the economic knowledge and skills that will enable them to function as informed and economically literate citizens. This course will explore the theories and principles that underlie all economic structures from individual decision-making to the complexities of international economics. Topics include: macroeconomics, micro economics, global and United States economy, globalization, the enterprise system, labor and business relations, fiscal and monetary policy, as well as personal finance.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam

Special Notes: This course satisfies the New York State Economics graduation credit requirement.

Prerequisites: Social Studies 11

Government

Core Credit: 0.5

Description: The Participation in Government course is a culminating course of study that focuses on Civics, Citizenship, and Government. This course is designed to have students analyze public policy issues, make decisions and develop implementation policies necessary to solve problems and actively understand and participate in the democratic process. The public policy issues and problems to be studied will be determined by current events from local, state, national and global perspectives. Research skills, logic and writing skills will help students become effective participating citizens in our democracy. All students will be required to do a participation project that will be developed as an integral part of this course. Additionally, all students will complete 10 hours of community service.

Offered: Yearly

Grade Level: 12

Final Assessments: Local Exam

Special Notes: 10 hours of community service is required.

This course satisfies the New York State Government graduation credit requirement.

Prerequisites: Social Studies 11

Technology

Technology 7 & 8

Credit: N/A

Description: The primary objective of 7th and 8th Grade Technology is to teach the fundamentals of technology and give students the skills and knowledge they need to be successful. It combines the techniques of traditional classrooms as well as including hands-on projects and self-directed learning.

Offered: Yearly

Grade Level: 7 & 8

Final Assessments: Unit assessments; Projects; Final Exam

Special Notes:

Prerequisites: None

Computer 7

Description: Computer 7 is designed to develop seventh-grade students' computational thinking skills and digital literacy competencies. This course emphasizes problem-solving through computational methods and responsible, effective use of digital technologies. Students will learn to think like computer scientists while becoming informed and ethical digital citizens who can critically evaluate and create digital content.

Offered: Yearly

Grade Level: 7

Final Assessments: Unit assessments; Projects; Final Exam

Special Notes: Course offered for 1 Marking Period (¼ year)

Prerequisites: None

WIN 7

Description: WIN is a comprehensive life skills and academic preparation course designed to equip seventh grade students with the essential tools needed for success in junior high, senior high, and beyond. This course bridges the gap between elementary learning and the increased independence required in higher grade levels by focusing on practical skills that extend beyond the traditional classroom.

Offered: Yearly

Grade Level: 7

Final Assessments: Unit assessments; Projects; Final Exam

Special Notes: Course offered for 3 Marking Periods (¾ year)

Prerequisites: None

Design and Drawing For Production (DDP)

Elective Credit: 1.0

Description: This course is designed to study the fundamentals of drawing and design in order to achieve real life skills, solid accomplishments, and thorough understanding of design and production.Design and Drawing for Production (DDP) is an approved course to meet the one unit of art requirement for graduation for all students.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Unit assessments; Projects; Final Exam

Special Notes: Open to all students. This course meets the fine arts graduation requirement.

Prerequisites: None

Drone Technology

Elective Credit: 0.5

Description: This course is designed to study the growing field of the drone industry. Students will learn about practical application of drone technology along with meeting industry professionals. Additionally, students will learn how to safely and proficiently fly drones. Students will also prepare to take the FAA 107 sUAS Drone Pilot Exam to become licensed drone pilots. This course has extensive hands-on activities through graduated and challenging drone flight. It is recommended that students should be 16 by the end of the year to take the class, as students must be 16 to take the sUAS pilot exam.

Offered: Yearly

Grade Level: 10-12 (or 16 by the end of the school year)
Final Assessments: Unit assessments; Applied skills; Final exam
Special Notes:
Prerequisites: None

Exploring Building & Construction

Elective Credit: 1.0

Description: Exploring Building Construction is designed to introduce students to the field of construction. Students will be exploring the various aspects of construction as well as the procedures that need to be taken to construct a structure. Students will be working hands-on to construct scale models of structures as well as specialized skills such as plumbing and electrical.
Offered: Yearly
Grade Level: 10-12
Final Assessments: Unit assessments and final comprehensive projects
Special Notes: Open to all students
Prerequisites: None

Game and Applications Design

Elective Credit: 0.5

Description: Game and Applications Design is intended to introduce students to the basics of computer programming and computer science. Students will be learning different methods of programming and will create their own games and applications. Various coding methods, including binary and JavaScript, will be covered.
Offered: Yearly
Grade Level: 10-12
Final Assessments: Unit assessments and final comprehensive projects
Special Notes: Open to all students
Prerequisites: None

Woodworking

Elective Credit: .5

Description: Woodworking is designed to introduce students to woodworking and other material fabrication. Students will be exploring the techniques of woodworking as well as manufacturing and selling products. In addition, students will learn how to safely use, operate, and maintain various tools and machines used in the woodworking industry.
Offered: Yearly
Grade Level: 10-12
Final Assessments: Unit assessments and final comprehensive projects
Special Notes: Open to all students
Prerequisites: None

Computer Aided Design (CAD)

Elective Credit: 1.0

Description: Computer Aided Design (CAD) will expose the student to CAD terminology, history, components, applications, design functions and careers. The majority of time spent in this course will consist of using a CAD system to solve graphic problems. Emphasis will be placed on the use of a CAD system from design applications. Students will acquire technical drawing skills and an understanding of industrial standards and codes, and recognize the current methods of generating working drawings. Students will understand how CAD and computer technology is changing the role of drafting and what effects this will have on the design and manufacturing process.
Offered: Yearly
Grade Level: 10-12
Final Assessments: Unit assessments; Projects; Final Exam
Special Notes:
Prerequisites: DDP

World Languages

Students must earn 1 WL credit to graduate from high school. The WL criteria of an Advanced Regents diploma through the Bi-Literacy Pathway requires a student to pass a 3 unit sequence in a WL, Checkpoint B WL, and a state approved Bi-Literacy exam. The WL criteria of an Advanced Regents diploma without the Bi-Literacy pathway requires a student to pass a 3 unit sequence in a WL (7/8th, 9th, & 10th) and Checkpoint B WL which is given at the culmination of 10th grade.

Intro to World Languages

Credit: N/A

Description: Introduction to World Languages includes a brief introduction to French and a brief introduction to Spanish, covering basics such as, greetings, introductions, classroom commands, numbers, and colors. Students decide at the end of the 10 week course whether to continue studying French or Spanish and enroll in level 1A of that language for the rest of the year.

Offered: Yearly

Grade Level: 7

Final Assessments: N/A

Special Notes: Students will pick French 1A or Spanish 1A for the remainder of the year.

Prerequisites: None

French

French 1A

Credit: N/A

Description: French 1A is the first half of a Level I course. Students will receive one high school credit upon satisfactory completion of French 1A and French 1B. Students will be introduced to the French language and the cultures of the many and varied people who speak it. The four skills of listening, speaking, reading and writing are introduced in keeping with the New York State Regents Learning Standards for World Languages.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: Intro to World Languages

French 1B

Credit: 1

Description: Students continue to communicate in the target language through interpersonal speaking and writing, presentational speaking and writing, and interpretive reading and listening. The class has an emphasis on helping each student to become a competent communicator. Students engage in hands-on learning, personalized activities, projects, songs, games and conversations to enhance their learning of French and French-speaking cultures. The four skills of listening, speaking, reading and writing continue to be taught in keeping with the New York State Regents Learning Standards for Languages Other Than English. Students will receive one high school credit upon satisfactory completion of French 1A and French 1B.

Offered: Yearly

Grade Level: 8

Final Assessments: Regional World Languages Checkpoint A Exam

Special Notes: Satisfies Checkpoint A of the communicative objective of the New York state Syllabus

Prerequisites: French 1A

French II

Credit: 1

Description: French II follows French 1B and is a more in-depth course of study. Students move from being able to describe their surroundings to talking about the past and developing a story. This is a crucial year in preparation for the Regional Exam which takes place after French 3.

Offered: As needed.

Grade Level: 9-12

Final Assessments: Local Exam

Special Notes: N/A

Prerequisites: French 1A & 1B + Passing Checkpoint Exam

French III

Credit: 1

Description: French III is an advanced French class that continues to emphasize the four components of language: speaking, listening, reading and writing. Students will continue to acquire new vocabulary while advancing their speaking skills. Emphasis this year is on advanced grammar and sentence structure.

Offered: As needed.

Grade Level: 10-12

Final Assessments: Regional WL Checkpoint B Exam

Special Notes: N/A

Prerequisites: French II

French IV (MVCC FR201 & FR202)

Credit: 1

Description: After successfully passing the WL Examination in French, students have the opportunity to further develop their skills in French. This course continues the development of grammar, cultural understanding, reading, writing, and conversation skills and is presented at an accelerated pace. Students will earn 3 credits for the fall semester and 3 credits for the spring semester for a total of 6 college credits.

Offered: Yearly

Grade Level: 11

Final Assessments: Local exam

Special Notes: This is a dual 6 credit course with MVCC.

Prerequisites: French III

French V (MVCC FR301 & FR302)

Credit: 1

Description: An integrated approach to language acquisition will be used as students read works of literature, use selections from popular media, prepare oral presentations, and continue to explore Francophone cultures more deeply. Students are expected to have a solid mastery of French grammatical structures and be willing to use French as the main language of communication. Students will earn 3 credits for the fall semester and 3 credits for the spring semester for a total of 6 college credits.

Offered: Yearly

Grade Level: 12

Final Assessments: Local exam; Seal of Biliteracy Project

Special Notes: This is a dual 6 credit course with MVCC.

Prerequisites: French IV

Spanish

Spanish IA

Credit: N/A

Description: Spanish IA is the first half of a Level 1 course. Spanish 1A strengthens student skills in reading and listening comprehension, writing, and speaking. Students learn to initiate and sustain conversation as well as read short narratives and authentic material. Students are introduced to the geography and culture of the Spanish speaking countries.

Offered: Yearly

Grade Level: 7

Final Assessments: Local Checkpoint A Exam

Special Notes:

Prerequisites: Spanish 7

Spanish IB

Credit: 1

Description: This class is designed for students who would like to begin study of Spanish or for those who have not yet earned the one credit in second language required for a Regents high school diploma. The objectives of the course are to develop basic communication skills in Spanish and to lay the foundation for continued study of the language. A

	broad variety of vocabulary and basic structures of the language prepare the student to use Spanish for the functional purposes of communication. Elements of the geography, history and culture of Spanish-speaking peoples are included to support students' cultural knowledge and understanding.
Offered:	Yearly
Grade Level:	8
Final Assessments:	Regional World Languages Checkpoint A
Special Notes:	Satisfies Checkpoint A of the communicative objective of the New York state Syllabus
Prerequisites:	Spanish 1A

Spanish II

Credit: 1

Description:	This course builds upon the foundation laid in Spanish IA & IB and begins to prepare students to take the WL Examination at the conclusion of Spanish III. Continued study of vocabulary and structural components of the language further develop students' skills in using Spanish for the functional purposes of communication. Authentic materials from Spanish-speaking cultures are integrated into instruction in order to further students' knowledge and understanding of Latino language and cultures.
Offered:	Yearly
Grade Level:	9-12
Final Assessments:	Local Exam
Special Notes:	Spanish II is a requirement for Spanish III
Prerequisites:	Spanish IA & IB + Passing Checkpoint Exam

Spanish III

Credit: 1

Description:	Spanish III continues to provide students opportunities to develop their communication skills in Spanish while preparing students for the WL Checkpoint B Examination in Spanish, which is the Local Exam for the course. Instruction will occur primarily in Spanish and students will read articles from current Spanish magazines, newspapers and online publications in order to discuss and critique them. Students will take 4 practice exams during the year.
Offered:	Yearly
Grade Level:	10-12
Final Assessments:	Local Exam; WL Checkpoint B
Special Notes:	Students are required to take the Spanish III Assessment (Checkpoint B) at the successful completion of this course.
Prerequisites:	Spanish II

MVCC Spanish IV

Credit: 1

Description:	This course is a dual credit course with MVCC. After successfully passing the WL Checkpoint B Examination, students have the opportunity to further develop their skills in Spanish. This course continues the development of grammar, cultural understanding, reading, writing, and conversation skills and is presented at an accelerated pace. Students will earn 3 credits for the fall semester and 3 credits for the spring semester for a total of 6 college credits.
Offered:	Yearly
Grade Level:	12
Final Assessments:	Local exam
Special Notes:	This is a dual 6 credit course with MVCC.
Prerequisites:	Spanish III + Checkpoint B Exam

Spanish V (MVCC SP301 & SP302)

Credit: 1

Description:	An integrated approach to language acquisition will be used as students read works of literature, use selections from popular media, prepare oral presentations, and continue to explore Spanish Speaking cultures more deeply. Students are expected to have a solid mastery of Spanish grammatical structures and be willing to use Spanish as the main language of communication. Students will earn 3 credits for the fall semester and 3 credits for the spring semester for a total of 6 college credits.
Offered:	Yearly

Grade Level: 12
Final Assessments: Local exam; WL Checkpoint C Exam, Seal of Biliteracy Project
Special Notes: This is a dual 6 credit course with MVCC.
Prerequisites: Spanish IV

American Sign Language (ASL)

American Sign Language I

Credit: N/A

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

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Checkpoint A Exam

Special Notes: ASL I is a Distance Learning Course; This course satisfies the criteria required by New York State to earn the Languages other than English (LOTE) course credit.

Prerequisites:

American Sign Language II

Credit: 1

Description: ASL 2 is the second of a series of four sequential courses that will teach students introductory level vocabulary, grammar structure, Deaf history, and the cultural background needed to communicate with Deaf individuals. Instruction will include the language functions, asking for and giving information, making requests, giving directions, agreeing and disagreeing, expressing likes and dislikes, introducing classifiers and facial expressions as important components of ASL grammar, as well as many other skills required to communicate on a novice-high level. ASL 2 offers students a variety of experiences that will increase their awareness of the world around them. Likewise, the multimedia exposure students experience in this class will help them better understand the Deaf culture.

Offered: Yearly

Grade Level: 9-12

Final Assessments: Local Exam

Special Notes: ASL I is a Distance Learning Course

Prerequisites: ASL I