

***Oppenheim-Ephratah- St. Johnsville
Junior – Senior High School
Course Selection Guide***

2022-2023

WOLFPACK



NATION

***OPPENHEIM-EPHRATAH-ST. JOHNSVILLE Jr/Sr HIGH SCHOOL
44 Center Street
St. Johnsville, New York 13452
(518) 568-2011***

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MISSION STATEMENT

Oppenheim-Ephratah-St. Johnsville is a small rural school district with a safe environment and a strong sense of community. The school district will develop life-long learners with the skills and knowledge that enable them to contribute to the community as productive and responsible citizens. It is the joint responsibility of the teachers, parents, students, and community to provide the resources and learning environment that nurtures and develops the individual skills, strengths and talents of all students.

KEY PEOPLE TO HELP YOU

Jr/Sr High School & District Office

High School Principal	Mr. Warren	568-2011 x 3114
High School Main Office Secretary	Mrs. Trumble	568-2011 x 3000
School Counselor (Guidance)	Mrs. Van Wie	568-2011 x 3113
School Counselor (Guidance)	Mrs. Stalteri	568-2011 x 3119
Guidance Secretary	Mrs. Baker	568-2011 x 3190
Jr/Sr HS Nurse	Ms. G. Smith	568-2011 x 3111
School Social Worker	Mrs. Marchand-Clifford (M-C)	568-2011 x 3116
IT Director	Mr. Roth	568-2011 x 6063
Superintendent	Mr. Heroth	568-2011 x 5281 or 5282
Superintendent's Secretary	Ms. Bonk	568-2011 x 5280
Business Office-Dist. Treas.	Mrs. Stallman	568-2011 x 6002
Business Office	Mrs. E. Sammons	568-2011 x 6001
Business Office	Mrs. Carter	568-2011 x 6003
Director of Facilities	Mr. Swartz	568-2011 x 3180 or 568-2014 x 1114 elm

To contact a teacher or coach, please call the Jr/Sr High School Office. The teacher will return your call during their plan period.

Elementary School

Elementary School Principal	Mr. O'Brien	568-2014 x 2101
Elementary Principal Secretary	Mrs. Taylor	568-2014 x 2117
Director of Student Services	Mrs. Stock	568-2014 x 2103
School Psychologist	Mrs. Drummond	568-2014 x 1104
CSE Secretary	Mrs. Smith	568-2014 x 2115
Elementary School Nurse	Mrs. Brown	568-2014 x 2136
Transportation	Mrs. H. Brundage	568-2014 x 2105
Social Worker	Ms. Ashton	568-2014 x 1111
Food Service Manager	Ms. Trumbull	568-2014 x 3130
CSE and CPSC Chairperson	Ms. Wyanski	568-2014 x 2115

WHAT IS OPPENHEIM-EPHRATAH-ST. JOHNSVILLE'S REQUIRMENT FOR UNITS OF CREDIT TO GRADUATE?

In order to graduate, the principal must certify that the student has earned 22 units of school credit* and passed the required Regents examinations. The units of credit must include:

4 units of English

4 units of Social Studies (including 1 unit of US History, 2 units of Global History, 1/2 unit of Participation in Government (or a Superintendent approved equivalent), 1/2 unit of Economics (or a Superintendent approved equivalent)

3 units of Science

3 units of Mathematics

1/2 unit of Health

1 unit of Art or Music

1 unit of Language Other Than English (Spanish)

2 units of Physical Education

3.5 units of electives

*A unit of school credit refers to a course taken each school day for one school year. A half unit is a course taken each school day for one semester or every other day for the entire school year.

HOW IS A STUDENT PROMOTED FROM ONE GRADE TO THE NEXT?

To be a Freshman: Promotion from 8th grade.

To be a Sophomore (move from grade 9 to grade 10): The student must earn 5 credits toward graduation.

To be a Junior (grade 10 to grade 11): The student must earn a total of 10 credits toward graduation.

To be a Senior (grade 11 to grade 12): The student needs to have earned 15 total credits toward graduation.

LOCAL DIPLOMA COMPENSATORY OPTION

As of October 31, 2012, the Board of Education of Regents has provided an additional option for students with disabilities to earn a local diploma. This option is known as the Local Diploma Compensatory Option.

To earn a local diploma using this compensatory option a student must:

- a) Score between 45-54 on one (1) or more of the required Regents exams, other than on the English Language Arts (ELA) or the mathematics exams, in which case the lower score(s) can be compensated by the higher scores;
 1. A score of at least 55 (or an approved appeal of 52-54) must be earned on both the ELA and mathematics exams;
 2. A score of 65 or higher on a single examination may not be used to compensate for more than one exam; and
- b) Obtain a passing grade that meets or exceeds the required passing grade by the school, for the course in the subject area of the Regents examination in which he or she received a score of 45-54; and
- c) Have a satisfactory attendance rate in accordance with the District's or school's attendance policy for the school year during which the student took the examination in which he or she received a score of 45-64, exclusive of excused absences.

A student with a disability who makes use of the Compensatory Safety Net Option may also use the Low Pass Appeal Option (i.e. appeal scores of 52-54) to meet graduation requirements for a local diploma.

SUPERINTENDENT DETERMINATION

1. The parent/guardian must submit a written request that their child be considered for a superintendent determination.
2. For IEP students or those receiving special education programs and/or related services.
3. The student did not meet the graduation requirements through the low pass (55-64) safety net option or the compensatory option.
4. The student must have earned the required course credits and have passed all courses required for graduation.
5. The student must have taken and received minimum score of 55 on both the ELA and Math Regents exams or successfully appealed a score between 52 and 54, except after 12/12/17, a student who was able to achieve a minimum score of 55 or did not initiate an appeal of a score of between 52 and 54 on the ELA and/or Math Regents exams may be considered an eligible student for the Superintendent Determination option, provided the student has completed the requirements for the NYS CDOS Commencement Credential.
6. There must be evidence that the student participated in all Regents exams required for graduation, but has not passed one or more of these exams.
7. In a subject area where the student was not able to demonstrate his/her proficiency of the state's learning standards through the Regents exams required for graduation (including ELA and/or Math if using the CDOS CC to meet eligibility conditions in #4), there must be evidence that the student has otherwise demonstrated graduation level proficiency in the subject area(s).

****The superintendent may only consider an eligible student for the local diploma through the Superintendent Determination option.**

CALCULATION OF CUMULATIVE AVERAGE AND CLASS RANK

Beginning in June 2016, seniors pursuing a NYS diploma will follow the same criteria for weighted grading and rank. Students will earn additional weight for AP (Advanced Placement) classes, College in the High School/College Now, Early Admit, New Visions, as well as fourth year classes not required for graduation including, but not limited to: Physics, Pre-Calculus, Calculus. The weighted GPA of each senior determines class rank.

WHAT DO COLLEGES LOOK FOR IN COLLEGE APPLICANTS?

Colleges look for students who have demonstrated success in the most challenging courses appropriate to each student.

WHAT DO EMPLOYERS LOOK FOR IN JOB APPLICANTS ENTERING THE WORK FORCE?

Employers look for job applicants who will be productive employees. They are looking for an individual with good math and communication skills and a willingness to learn. They are interested in hiring responsible people who are capable of working with others. Good attendance and being on time are essential to an employer.

CAN I ATTEND A CTC (BOCES) PROGRAM AT THE CAREER AND TECHNICAL CENTER IN JOHNSTOWN?

Students must meet Oppenheim-Ephratah-St. Johnsville Board of Education approved criteria to be eligible to attend the CTC. The criteria the individual student must meet is as follows:

- The student must be able to graduate with their cohort group using the multiple pathways provided by New York State (reviewed on a case by case basis).
- The student must have average (no more than 12 absences) or better attendance with the exception of an extraordinary circumstance such as a one-time personal illness. This illness must be supported by a parent/doctor's note. Under the same guidelines, the student is allowed no more than 6 unexcused days tardy.
- The discipline file, if applicable, must be acceptable by Administration's standards.
- Task Persistence – the student must perform or participate in some activity that indicates an interest in the CTC program area.
- Post Secondary Plan – the student must have a post secondary goal related to or involving the CTC Program area.

DO I GET A CHOICE FOR THE REQUIRED COURSES IN HEALTH AND ART/MUSIC?

A half unit of credit in Health is required by all students.

For the Art/Music requirement, you may choose one unit of credit listed under Art (Studio in Art is the prerequisite to all other art courses) or Music.

WHOM SHOULD I ASK ABOUT COURSES?

Your school counselor and teachers of subjects you are interested in are primary sources of information about courses. Your parents can help you determine post-secondary options and career interests. Putting all of this information together will help you select high school courses that will maximize your possibilities.

WILL ALL COURSES LISTED IN THIS GUIDE BE HELD?

A course may be cancelled if only a few students sign up for it or for reasons of finance. If a course you selected were cancelled, your counselor would meet with you to select another course.

CAN I CHANGE CLASSES AFTER THE START OF THE SCHOOL YEAR?

You should think carefully about selecting courses. Schedule changes will be made on a very limited basis once the school year has begun. Students are responsible for knowing the add/drop dates in September and at the start of the Spring semester. The process of considering a change includes questions about how much you are trying to be successful in the course and if the change will help you.

WHAT ELECTIVES CAN I TAKE?

All courses, elective and required, are described later on in this guide. In general, try to include courses that continue your study in existing areas and that introduce you to possible new interests as well.

WHAT LEVELS OF COURSES ARE AVAILABLE?

Different levels of some courses are offered to meet the needs of all, but not all courses have different levels of instruction. The levels are:

Regents

These classes are college preparatory that adhere to the NYS Regents curriculum, followed by a Comprehensive Regents exam at the end of the year. These courses are necessary to earn a Regents diploma.

Advanced Placement

These classes allow students to pursue college level work. College credit may be received based upon a successful grade on the Advanced Placement test and the individual college's admissions requirements.

College Credit

These courses are offered through an agreement with Fulton-Montgomery Community College, Syracuse University, North Country Community College, SUNY Cobleskill and HCCC to obtain college credit for some courses.

DO I GET CREDIT FOR EVERY COURSE?

In general, all high school courses offer credit if the student successfully completes the course requirements. There are some courses students must take that do not give credit; they are designed to give you instruction that will help you be successful in school. Some of these courses are, but are not limited to: Academic Intervention Services, Resource Room, Extra Help (AIS) and Science Lab classes.

HOW MANY COURSES DO I NEED TO TAKE?

Students are required to take a minimum of 6 ½ credits each year. This will allow the students to fulfill their graduation credit requirements by the end of their senior year. Study halls can be placed into student schedules after the 6 ½ credit bearing classes have been entered. **Seniors need to take 5 ½ credits.**

HOW DO I GET EXTRA HELP IN MY COURSES?

All teachers provide extra help for their students on a daily basis. It is best when you take the initiative to ask your teachers for extra help. If necessary, you will be assigned to AIS during the school day.

HOW DO I GET HELP WITH OTHER KINDS OF PROBLEMS?

Start by letting your school counselor, the school based counselor, or the nurse know that you have a problem and want to speak about it. There are programs and people in the school to provide understanding, support and direction. The school cooperates with several agencies in the surrounding area that provide specific kinds of help for different problems.

WHAT CLUBS/ORGANIZATIONS ARE AVAILABLE AND HOW DO I JOIN?

National Honor Society	Foreign Language Club
Student Council	Drama Club
GSA	Future Farmers of America (FFA)
Class Officers (for each grade level)	Prom Club (11th-12th only)

Start by letting the adviser know that you are interested and by finding out when the organizational meeting will occur. There are studies that show that successful adults were more likely to have participated in co-curricular and extra-curricular outlets and athletics when they were in high school.

WHAT SPORTS CAN I GO OUT FOR AND HOW DO I JOIN?

Oppenheim-Ephratah-St. Johnsville competes in the Western Athletic Conference at the modified, junior varsity and varsity levels for boys and girls in the following sports:

Fall:	Winter:	Spring:
Soccer	Basketball	Baseball
Volleyball (girls)	Cheerleading (girls)	Softball
Cross Country	Bowling	Track and Field - FP
Golf		

Speak with the coaches or physical education teachers one full season before the team you wish to join so that you know when sign-ups occur. Speak with the school nurse to make sure that you know the dates and times of physicals.

HOW DO I BECOME ELIGIBLE FOR NATIONAL HONOR SOCIETY?

Students qualify academically by maintaining a cumulative grade point average of **85.00**, without rounding up. Cumulative averages are based on:

10th Grade: GPA 9th, MP1 and MP2 current year

11th Grade: GPA 9th, 10th, MP1 and MP2 current year

12th Grade: GPA 9th, 10th, 11th, MP1 and MP2 current year

Students must demonstrate service, leadership and character for selection to National Honor Society. The Principal annually appoints a faculty council and an adviser. The faculty council selects students and the adviser operates chapter activities. Appeals to the decisions of the faculty council must be directed to the principal. The group functions as a student activity, engaging in service and social functions.

HOW DO I BECOME ELIGIBLE FOR JUNIOR NATIONAL HONOR SOCIETY?

Students qualify academically by maintaining a cumulative grade point average of **85.00**, without rounding up. Cumulative averages based on:

7th grade: MP1 and MP2 current year

8th Grade: GPA 7th, MP1, MP2 current year

9th Grade: GPA 7th, 8th, MP1 and MP2 current year

Students must demonstrate service, leadership and character for selection to Junior National Honor Society. The Principal annually appoints a faculty council and an adviser. The faculty council selects students and the adviser operates chapter activities. Appeals to the decisions of the faculty council must be directed to the principal. The group functions as a student activity, engaging in service and social functions.

COURSE DESCRIPTIONS

AGRICULTURE

ANIMAL SCIENCE AND TECHNOLOGY Grades 9-12 1 Credit

This year long course looks at the various roles that animals play and their relationship with people. The course will look at animals as they are used for food and companions. Students will explore topics including, but not limited to: beef cattle, dairy cattle, swine production, poultry production, fish production, companion animals, animal behavior, animal nutrition and exotic animals.

** Anticipated**

*College in the High School: 3 credits SUNY Morrisville ANSC 100 Animal Science and Industry

EXPLORING AGRISCIENCE Grades 9-12 1 Credit

This introductory agriculture course will explore many topics of agriculture and natural resources. It will introduce students to plant science, animal science, landscaping, forestry, aquaculture, small engines, agricultural careers and more. It is a full year course that will take place every day over the distance learning network. Students will leave this course with knowledge about the agriculture industry as a whole and how it plays a key role in everyday life.

PLANT SCIENCE AND TECHNOLOGY Grades 9-12 1 Credit

This year long course will explore plants that are used in agricultural settings. Students will explore topics including, but not limited to: soils, plant structure, plant function and photosynthesis, plants as they are used for human and livestock consumption, and plants as living organisms. Learning will be hands-on and take place in the classroom and lab.

Anticipated

*College in the High School: 3 Credits SUNY Cobleskill ORHT 105 Introduction to Horticulture

FOOD SCIENCE AND TECHNOLOGY Grades 9-12 1 Credit

This semester long course will explore the food industry. Students will complete projects and activities that will help them understand how the food they eat is developed, marketed, researched and sold. Students will learn about how food is produced, processed, developed, marketed, advertised, and viewed by the consumer. This class will explore every path your food takes from the field to the table.

** Anticipated**

*College in the High School: SUNY Cobleskill AGBU 160 Introduction to Food Systems

DAIRY SCIENCE Grades 9-12 .5 Credit

A broad overview of the dairy industry. Students will study the economic impact of the dairy industry, know historic events that have impacted the industry, identify different types of housing facilities as well as have a basic understanding of marketing dairy products. Students will research important feed types for a cow's diet, how to interpret records and recognize diseases by symptoms and how to treat them. Students will learn how to manage a dairy business. Due to the nature of the distance learning course students will be required to do projects and attend field trips.

EQUINE SCIENCE **Grades 9-12** **.5 Credit**
An animal science course that covers topics related to equine science and the equine industry. Topics covered in class include but are not limited to: equine knowledge such as, history, breed, identification, conformation and judging. Students will also explore concepts in anatomy, physiology, reproduction, nutrition, health and equine facilities and management. Students should be prepared to complete hands-on activities with an open and inquisitive mind. Due to the nature of the distance learning course students will be required to do projects and attend field trips.

WILDLIFE/CONSERVATION **Grades 9-12** **.5 Credit**
This course prepares and engages students in activities for the conservation and/or improvement of natural resources. Knowledge of natural resources such as oil, water, air forest, fish and wildlife will be expanded through hands-on projects and activities.

VETERINARY SCIENCE **Grades 10-12** **1 Credit**
Interested in becoming a Veterinarian, or do you just love animals? Veterinary Science will expose students to the field of veterinary medicine and the body systems of animals. This science based class will include topics like: safety and sanitation, anatomy and physiology, parasitology, posology, principles of disease, laboratory techniques and much more. This course will prepare students for college level work in the field of animal science, veterinary science, and biology.

AGRIBUSINESS **Grades 10-12** **.5 Credit**
This course prepares and engages students to take an in-depth look into today's agriculture industry through economic principles in agribusiness, planning an agribusiness, and various career development practices. Students will study the nature and functions of the agricultural business industry. Students will be engaged in through projects on local, state, national, and global agriculture, marketing, financial management, benefits, record keeping, banking, borrowing money, and career planning.

** Anticipated**

*College in the High School: SUNY Cobleskill AGBU 101 Introduction to Agricultural Business

CAREERS THROUGH LEADERSHIP **Grades 10-12** **.5 Credit**
This course focuses on public speaking, job interviewing and presentation skills.

AGRICULTURE MECHANICS **Grades 10-12** **.5 Credit**
This course offers a basic understanding of the skills needed by today's agricultural engineers and mechanics. Students learn basic skills in welding, small engines, plant science and agriculture equipment maintenance and design. Students utilize skills through "hands-on" applications where they design and build projects, fix machinery and learn safe machine shop management.

ART

Art, Music and Performing Arts courses satisfy the arts requirement for graduation. A five unit sequence in ART or FINE ARTS is available. A five-unit sequence in ART or FINE ARTS may replace the second and third unit of credit in the three-unit Foreign Language sequence toward a Regents with Advanced Designation diploma.

STUDIO IN ART

Grades 9-12

1 Credit

This is a full year course that meets every day. Studio art is the foundation art course for all high school students. Students will work in a wide variety of media (including but not limited to pencil, charcoal/pastel, watercolors, tempera and acrylic paints, ceramics, paper mache) and develop a level of competence in each area. Students will learn about artists, their work and the different artistic movements each belong to. Students will be graded on their daily effort, artwork, and written assignments. This course is a prerequisite for all other upper level high school art classes. It is recommended that students take this course in the 9th grade.

ILLUSTRATION

Grades 10-12

.5 Credit

This course is a half year course that meets every day. Illustration is an advanced level course where the student will focus on their drawing skills. In their work students will focus on 2 and 3-d illustration, book and poster illustration, the art of caricature and humorous illustration, and promotional advertising. Students will be challenged to create unique solutions to the course assignments and expected to become fluent in a wide variety of drawing types and mediums.

GRAPHIC DESIGN

Grades 10-12

.5 Credit

This course is an exploration of the formal elements of design including composition, color, texture, and shape in the form of applied visual problem-solving exercises in which typography and meaningful concept are added in order to shape the work into effective graphic design communications. This class will focus on advertising and product promotion design, labels, brochures, packaging.... This class is recommended for any student who has taken Studio Art.

SCULPTURE

Grades 10-12

.5 Credit

This course is a half year course that meets every day. Students continue to build their skills working in 3-D with plaster, paper mache, clay, wire, wood, etc. The projects are based on specific artists and movements in history. Students will be graded on their daily effort, artwork, and written assignments. This course should be taken as a first or second advanced level course.

ADVANCED STUDIO

Grades 11-12

.5 Credit

This course is a half year course that meets every day. This course is designed for the serious art student that would like to further explore a specific area of art. The number of students is limited due to the nature of the class being customized to the needs of each individual student. Students will be graded on their daily effort, artwork, and written assignments. This course should be taken as your final art course.

YEARBOOK

Grades 9-12

1 Credit

Students will collaborate in a group and community project using elements and principles of art and design. Each year, the yearbook becomes an excellent way to document the students and events from the current school year. We will learn fundamental knowledge of photography, book layout, and editorial skills. Each student will be responsible for taking photographs, basic photo edits, and uploading images. The class will be working to meet deadlines to comply with the company that publishes the book.

BUSINESS/COMPUTERS

CAREER AND FINANCIAL MANAGEMENT (CFM) Grade 9-12 **1 Credit** The purpose of this course is to provide students with knowledge about business, the economy, careers research and exploration, and personal financial literacy. CFM is a project-based course that introduces concepts in finance and professionalism used to help students prepare for the college of their choice and become successful in the workplace.

COMPUTER APPLICATIONS **Grade 9-12** **1 Credit**
The purpose of the Computer Applications course is to provide students with skills in keyboarding and knowledge of Microsoft Word, Excel, and PowerPoint—or the Google Suite Alternatives—combined with general business concepts used to help students become successful in the workplace.

BUSINESS MATH **Grades 9-12** **1 Credit**
Prerequisites: Successful completion of Algebra I CC course **and** Algebra I CC Regents exam. This full-year math course is designed to prepare students with the technical math skills necessary to function and manage finances in the 21st century. Major areas of study include but are not limited to: problem solving with whole numbers, fractions, and percentiles; problem solving with formulas and equations; basic statistics, graphing, bank records, payroll, simple and compound interest, investments, credit, depreciation, insurance, and taxes. Students work individually and in small groups to understand and solve problems related to real-life situations at work, home, and involving property. Can be used to fulfill the 3rd year math requirements.

MARKETING **Grades 11-12** **1 Credit**
Throughout this course you will learn the fundamentals of business and marketing using analysis and observation, as well as through project-based learning opportunities. This class focuses on current topics in business and marketing including the 4 P's: Product, Price, Place & Promotion. The class also includes topics on retail sales, business presentations, management, entrepreneurship, ethics, career exploration, and business and marketing plans. Students will need to follow oral and written directions, work well in groups and demonstrate good work habits to be successful in the course.

ENTREPRENEURSHIP **Grades 11-12** **1 Credit**
This course provides the student the opportunity to explore ownership of a small business. It will enable the student to examine small business as a job option by construction of a business plan, developing marketing strategies, identifying financing options for a business, and planning organizational structure that is intended to be carried through in the operation of a business. Additionally, students will have numerous opportunities to apply their knowledge gained in Entrepreneurship through student-centered, project-based learning projects found in the Youth Entrepreneurs, Inc. curriculum, as well as other resources.

DISCOVERING COMPUTER SCIENCE **Grades 9-12** **1 Credit**
This course is designed as an introduction to computer science for high school students who want to express themselves creatively and solve problems that are interesting to them using computational devices. This course is designed for students that have little or no experience studying computer science. Through a series of engaging, hands-on labs and projects, students learn the fundamentals of computer programming using the block-based language *Netsblox*. Students will also study the world wide web, designing and creating their own websites by writing their own HTML, CSS, and JavaScript. Finally, students will explore drawing, animation, and problem solving using Python. Throughout the course, computing history and current events in computer science will be incorporated. Special topics in computer science such as diversity, privacy, laws and regulation, artificial intelligence, assistive technology, and others will be incorporated.

**This course is being offered in partnership with Siena College, but not currently for college credit.*

ENGLISH

All students must pass four years of English. Required courses are: English 9, English 10, English 11, and English 12. Students may choose to take College in the High School English 103 and English 104 through FMCC in conjunction with English 12. All students take the Regents Examination in English Language Arts in grade 11.

ENGLISH 9

Grade 9

1 Credit

All ninth grade students are required to take and pass this comprehensive course of study before moving on. Students will use critical thinking as they read, discuss, and write about short stories, novels, poems, plays, and works of true literature. Speaking, listening, analyzing, and writing skills will be the focal point of study. Vocabulary development will also be emphasized. Students will be asked to use the latest technologies available to complete projects and presentations.

ENGLISH 9 HONORS

Grade 9

1 Credit

The class will mirror English 9, but students will be exposed to more advanced literary works and will work at a faster pace. All honors courses are designed for highly motivated students who have great interest in reading and writing with strong critical analysis skills. Students will read more complex texts, complete more rigorous assignments and will be expected to work independently while taking ownership of their own learning.

The following prerequisites will be considered when placed in this course: previous teacher recommendation, completion of English 8 with a 90% or better, exemplary work ethic, a reading level at or above the 8th grade grade level, and the ability to work independently. In addition, students will be given a book to complete over the summer with a written assignment to be turned in.

- If a student falls behind an 80% average during the year, the student will have a meeting with the teacher and be held accountable.
- If a student has excessive absences throughout the year, the student will have a meeting with teacher and be held accountable.
- The student is at risk for not being allowed into Honors English the following year, and will not be allowed in if they do not bring their year's average up to a 85%.

ENGLISH 10

Grade 10

1 Credit

Open to students who have passed English 9. All tenth grade students are required to take this comprehensive course of study before moving on. Students will read, discuss, and write about short stories, novels, poems, plays, and works of nonfiction. Cross-curricular literature is used to enhance understanding of world events. Speaking, listening, analyzing, and writing skills will be the focal point of study. Students will be asked to use the latest technologies available to complete projects and presentations. *Prep course for the New York State Regents Exam in Language Arts and Literature administered in grade 11.

ENGLISH 10 HONORS**Grade 10****1 Credit**

The class will mirror English 10, but students will be exposed to more advanced literary works and will work at a faster pace. All honors courses are designed for highly motivated students who have great interest in reading and writing with strong critical analysis skills. Students will read more complex texts, complete more rigorous assignments and will be expected to work independently while taking ownership of their own learning.

The following prerequisites will be considered when placed in this course: completion of English 9 with a 85% or better, exemplary work ethic, a reading level at or above the 10th grade level, or the ability to work independently and lastly, student must also have previous teacher recommendation. In addition, students will be given a book to complete over the summer with a written assignment to be turned in.

- If the student does not complete the assigned book and written assignment, they will be removed from the course and placed in English 10.
- If a student falls behind an 80% average during the year, the student will have a meeting with the teacher and be held accountable.
- If a student has excessive absences throughout the year, the student will have a meeting with the teacher and be held accountable.
- The student is at risk for not being allowed into Honors English the following year, and will not be allowed in if they do not bring their year's average up to a 85%.

ENGLISH 11**Grade 11****1 Credit**

Open to students who have passed English 10. Students will use critical thinking as they answer questions that affect people everywhere, in ways that are both personal and political. Students continue to prepare for the Regents Exam through reading and writing about short stories, novels, plays, poems, and works of true experiences. Emphasis is placed on improving writing skills, vocabulary, synthesis, and analysis. Students will take the English Regents Exam at New York State's scheduled dates. Students are also encouraged to take college entrance exams during their junior year: SAT's and ACT's.

ENGLISH 11 HONORS**Grade 11****1 Credit**

The class will mirror English 11, but students will be exposed to more advanced literary works and will work at a faster pace. All honors courses are designed for highly motivated students who have great interest in reading and writing with strong critical analysis skills. Students will read more complex texts, complete more rigorous assignments and will be expected to work independently while taking ownership of their own learning.

The following prerequisites will be considered when placed in this course: completion of English 10 with an 85% or better, exemplary work ethic, a reading level at or above the 11th grade level, or the ability to work independently and lastly, student must also have previous teacher recommendation. In addition, students will be given a book to complete over the summer with a written assignment to be turned in.

If the student does not complete the assigned book and written assignment, they will be removed from the course and placed in English 11.

- If a student falls behind an 80% average during the year, the student will have a meeting with the teacher and be held accountable.
- If a student has excessive absences throughout the year, the student will have a meeting with the teacher and be held accountable.
- The student is at risk for not being allowed into Honors English the following year, and will not be allowed in if they do not bring their year's average up to a 85%.

ENGLISH 12 **Grade 12** **1 Credit**
In this course students will work to become skilled readers of a wide range of literature, including prose, poetry, and short stories. Students will be expected to read and respond to a variety of literature, independently, in group discussions and in writing. All facets of language arts - listening, speaking, reading, and writing will be covered. The study of language in use – grammar, mechanics, sentence structure, and usage will be incorporated in this yearlong course as well. There will be a comprehensive final exam in June.

ENGLISH 12 HONORS **Grade 12** **1 Credit**
The class will mirror English 12, but students will be exposed to more advanced literary works and will work at a faster pace. All honors courses are designed for highly motivated students who have great interest in reading and writing with strong critical analysis skills. Students will read more complex texts, complete more rigorous assignments and will be expected to work independently while taking ownership of their own learning.

The following prerequisites will be considered when placed in this course: completion of English 11 with a 85% or better, exemplary work ethic, a reading level at or above the 12th grade level, or the ability to work independently and lastly, student must also have previous teacher recommendation. In addition, students will be given a book to complete over the summer with a written assignment to be turned in.

- If the student does not complete the assigned book and written assignment, they will be removed from the course and placed in English 12.
- If a student falls behind an 80% average during the year, the student will have a meeting with the teacher and be held accountable.
- If a student has excessive absences throughout the year, the student will have a meeting with the teacher and be held accountable.

ENG 103/104**Grade 12****1 Credit**

Both ENG 103 & ENG 104 are optional courses students may take through FMCC's College in the High School program and in conjunction with their required English 12 coursework. When looked at face-value ENG 103 is a writing course and ENG 104 is a literature based course. ENG 103 is a course designed to improve written and oral communication skills. Students will learn to write specific types of essays that are coherent and grammatically and mechanically correct. ENG 104 expands on the written and oral communication skills learned in ENG 103. The written and oral assignments focus on students' understanding, research, and interpretation of such literary genres as short stories, poetry, and drama. Students will read more advanced literary pieces and work at a faster pace. Speaking, listening, analyzing, and writing skills will be the focal point of study. Students will be required to complete short and long-term assignments. ENG 103 and ENG 104 will be separate registrations and payment through FMCC. Students must complete and pass ENG 103 in order to take ENG 104. Students will be expected to complete additional work outside the English classroom for these courses.

Creative Writing I**Grades 9-12****.5 Credit**

What does it mean to be a writer? What type of writer am I? How can I use the art of language to enhance my life? These are questions the students will answer throughout the course. We will do this by reading creative writing for both inspiration and a broader understanding of style. The students will choose one writer to research, and present their findings to the class. Of course, the bulk of the course work, in and out of class, will consist of the students creating their own works in a variety of genres/styles, from poems to short stories. Students will also explore the performance of written work through poetry readings. They will also share and critique each other's work in class. In the end, each student will have a portfolio of creative writing that they feel represents them as a writer.

Creative Writing II**Grades 9-12****.5 Credit**

Prerequisite: Creative Writing I. Students will work on enhancing skills learned in the first half of this course. They will focus more greatly on the editing process and beyond. Throughout the course students will work on creating a short story. Students will work with the teacher and a local publishing company to edit and publish their work in a class book.

HEALTH

HEALTH

Grades 9-12

.5 Credit

This course provides students with essential skills and information that focus on their ability to make positive choices. Physical, mental, and social aspects of health are covered through such topics as substance abuse prevention, family relationships, human reproduction, stress management, human effects on the environment, and nutrition. Teenage violence, domestic violence and anger management are also covered. Each health class promotes positive interpersonal skills through group interactions and activities.

MATHEMATICS

Students must pass a minimum of three (3) units of math and one Regents exam in math for the Regents Diploma. Students interested in the Regents with Advanced Designation Diploma must earn three (3) units of math plus the Algebra I CC, Geometry CC and Algebra II CC Regents Exams. Oppenheim-Ephratah-St. Johnsville strongly encourages students to continue math throughout their high school career.

ALGEBRA I CC ACCELERATED

Grade 8

1 Credit

Prerequisite: -Students will be required to take a skills assessment to demonstrate knowledge of 8th grade curriculum content through a district level exam

-A score of 85 or better must be earned on the assessment exam

-A final grade of 90 or better in Math 7

-Teacher recommendation

-Students will also be required to adhere to specific standards once enrolled in this course (a course contract will be required)

Course Description: This is the same as Algebra I CC as is offered in the high school. It is available to eighth grade students who demonstrate a strong ability and interest in mathematics and who **plan on pursuing a five-year mathematics sequence**. The course follows Common Core Algebra I follows [A Story of Functions](#), the Common Core curriculum for mathematics. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibits a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. This course will prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem solving. The final exam for this course is the NYS Algebra I CC Regents exam; students in this course will not be required to complete the NYS Grade 8 math assessment. *****A TI-84 graphing calculator is required.*****

PRE-ALGEBRA CC

Grades 9-12

1 Credit

Prerequisite: Completion of Math 8.

This course is designed to review and explore prior mathematical knowledge, while formalizing and extending those concepts to a higher level of understanding. The topics covered will be skills necessary for the next levels of mathematics. By the end of this course, students will have a deeper understanding of algebra; be proficient in the language and basic operations of algebra; and learn organization skills to help with academic achievement. *****A TI-84 graphing calculator is required.*****

ALGEBRA I CC

Grades 9-12

1 Credit

Prerequisite: Successful completion of Math 8 **and** must score at or above grade level on the iReady Spring Diagnostic **OR** successful completion of Pre-Algebra.

Course Description: The course follows Common Core Algebra I follows [A Story of Functions](#), the Common Core curriculum for mathematics. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibits a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. This course will prescribe that students experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem solving. Students will take the Algebra I Regents Exam in June. *****A graphing calculator is required.*****

PRE-GEOMETRY

Grades 10-12

1 Credit

Prerequisite: Completion of Algebra I. This course is open to students who are **not** pursuing the Advanced Regents Diploma and/or who have scored below an 80 on the Algebra I CC Regents. These students are able to take Regents Geometry the following year.

Course Description: Pre-Geometry courses emphasize a practical approach to the study of geometry and de-emphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity and proportion; and rules of angle measurement in triangles. This class **cannot** be taken simultaneously with Geometry CC or Technical Geometry.

A TI-84 graphing calculator is required.

GEOMETRY CC

Grades 10-12

1 Credit

Prerequisite: Successful completion of Algebra 1 **and** a score of 80 **or higher** on the Algebra 1 CC Regents exam.

Course Description: This is the second mathematics course in high school math sequence. The course will focus on the following: geometric relationships, construction, locus informal and formal, proofs, transformational geometry and coordinate geometry. This is a Regents course and the NYS Geometry Regents will be given at the end of this course and count as the final exam. One high school credit will be given upon passing the course. This class cannot be taken simultaneously with Pre-Geometry or Technical Geometry. ***A TI-84 graphing calculator is required.***

TECHNICAL MATHEMATICS

Grades 10-12

1 Credit

Prerequisite: Successful completion of Algebra 1 CC course **and** Algebra 1 Regents exam.

Course Description: This full year course covers mathematical concepts through project based learning. Topics include precision measurement instruments, mathematical analysis of structures, geometric relationships, and common geometric concepts. This course requires data analysis, problem solving, mathematical modeling, and experimentation using geometric concepts. This course fulfills the 3rd year math requirement. This class **cannot** be taken simultaneously with Geometry CC or Pre-Geometry.

ALGEBRA II

Grades 10-12

1 Credit

Prerequisite: Successful completion of Geometry and a score of **80 or higher** on the Geometry CC Regents exam.

Course Description: This is the third and most rigorous course in the New York State Mathematics sequence. This course is required to earn an Advanced Regents Diploma. It includes the following: Linear, Exponential, Quadratic, Rational and Polynomial Functions, Complex Numbers, Transformations of Functions, Sequences and Series, Trigonometry, Probability and Statistics. The intent is to provide a variety of ways for students to acquire and demonstrate mathematical reasoning ability when solving problems. The NYS Algebra II Regents exam will be given at the end of this course. *A TI-84 graphing calculator is required.***

PRE-CALCULUS

Grades 11-12

1 Credit

Prerequisite: Successful completion of Algebra II **and** a passing score on the Algebra II Regents exam.

Course Description: This course is designed to cover topics in Algebra ranging from Functions, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometry, Polar Coordinates and Parametric Equations, Vectors and Systems of Equations. If time permits, students will then begin analytic geometry and calculus concepts such as limits, derivatives and integrals. This class lays the foundation for future college algebra or calculus classes. *College in the High School: 4 Credits SUNY FMCC-MAT 140 Pre-Calculus Mathematics*

BUSINESS MATH

Grades 9-12

1 Credit

Prerequisites: Successful completion of Algebra I CC course **and** Algebra I CC Regents exam.

Course Description: A full year math course designed to prepare students with the technical math skills necessary to function and manage finances in the 21st century. Major areas of study include but are not limited to: problem solving with whole numbers, fractions, and percentiles; problem solving with formulas and equations; basic statistics, graphing, bank records, payroll, simple and compound interest, investments, credit, depreciation, insurance, and taxes. Students work individually and in small groups to understand

and solve problems related to real-life situations at work, home, and involving property. Can be used to fulfill the 3rd year math requirements.

STATISTICS

Grades 11-12

1 Credit

Prerequisites: Successful completion of Algebra I CC and Geometry course and corresponding Regents exams.

Course Description: Probability and Statistics courses introduce the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees populations and samples, frequency tables, measures of central tendency, and presentations of data (including graphs). Course topics will include normal distribution and measures of variability. A final exam at the end of the year will count $\frac{1}{5}$ of the student's final average. This course can be used to fulfill the third year math requirements. *College in the High School: 4 Credits SUNY FMCC-MAT 125 Introduction to Statistics*

CALCULUS

Grades 11-12

1 Credit

This is the first-year calculus sequence required of all science and engineering majors at Syracuse University; it comprises the first four credits of this eight-credit sequence. The development of scientific calculators with graphics capability has made possible some significant changes in the way this material is taught, and many colleges and universities are now incorporating them in their calculus sequence. In sections of calculus offered off-campus through Project Advance and in selected campus sections, design changes have been made to integrate these calculators into the learning process. The course design allows for some variations in pacing, as determined by site instructors and the supervising faculty.

The mathematical content of this program is typical of most traditional first-year calculus courses. The concepts of limit, continuity, derivative, and anti-derivative and definite integral are developed in the usual way, and then applied to the traditional collection of functions: polynomial, rational, trigonometric, and exponential, together with their inverses, compositions, and algebraic combinations. The results are then applied to a wide variety of problems from geometry, physics, and other sciences. These include maximum and minimum problems, related rates, areas, volumes and surfaces of revolution, arc length, work, fluid pressure, velocity and acceleration, and exponential growth and decay. Curve sketching is introduced at the very beginning and emphasized throughout, as we believe strongly that this is an important skill for any calculus student to acquire. Graphing calculators are a help here, since they contribute substantially to an understanding of the functions being sketched. They are only a help, however; the calculators are not used as a substitute for the skill itself. During the course students are introduced to progressively more sophisticated programming techniques for the calculator. They are shown how to write programs first for the evaluation and tabulation of functions, and then for numerical evaluation of limits, derivatives, and roots (the last by Newton's Method). Students then learn to do finite sums, Riemann sums, and finally numerical integration (by Simpson's Rule). Programs are stored in the calculator as they are written and are used throughout the course.

SPONSORING COLLEGE: Syracuse University (SU): MAT 295 - Calculus I and MAT 296 - Calculus II

MUSIC

Art and Music courses satisfy the arts requirement for graduation. A five unit sequence in ART or FINE ARTS is available. A five-unit sequence in ART or FINE ARTS may replace a three-unit Foreign Language sequence toward an Advanced Designation Regents diploma, as long as the student earns one Foreign Language credit. A student may earn a Regents diploma by taking 1 credit of art or music. Five unit sequences in FINE ARTS are available by combining music courses with art courses.

HIGH SCHOOL CHORUS

Grades 9-12

.5 Credit

High School Choir is available to all high school students who are interested in singing. We believe that all students can learn to sing and perform well, so all students are welcome to attend. We work with all students regardless of their musical ability and amount of time they are able to commit. The choir participates in the 4 main concerts of the year, with at least one additional performance. Students will learn sight reading skills, basic music theory and history.

SELECT CHOIR

Grades 9-12

.5 Credit

A smaller group of students who will perform more advanced pieces of music. Voice lessons will be a requirement. Because this is a “select” group, final approval for participation in the group is given by the choir teacher.

GUITAR CLASS

Grades 9-12

.5 Credit

Limited to 20 students, students will learn the basics of guitar. This will include rhythm guitar, lead guitar, and power chords.

DRAMA CLASS

Grades 9-12

.5 Credit

Students will be taught the various aspects of what goes into developing a drama or musical. They will learn to act and sing. Students will develop actual performances to be performed for an audience.

HIGH SCHOOL BAND

Grades 9-12

.5 Credit

HS Band offers students’ concert, performing arts, and marching skills for individual and ensemble playing that can be utilized for lifelong learning. All students have small group instruction on a rotating basis. Band and lessons offer the opportunity to learn the “mechanics” and technique of playing an instrument, as well as the forum to play many different styles (pop, classical, marches, multicultural, etc.). The student driven schedule includes performance venues for concerts, parades, trips, and graduation ceremony. This class stresses the importance of dedication and responsibility. Performance and rehearsal participation is required to receive credit. Students in this class also have the choice to participate in: NYSSMA solo festival, All County- Area All State- and state music festivals, drum line, Small Ensemble, Leaders, and/or color guard-if they chose. This course meets the music/art graduation requirement (if taken for a minimum of 2 years) and may be used as a component in the Fine Arts sequence to eliminate the Foreign Language requirement in the Regents Diploma with Advanced Designation.

HANDBELL

Grades 9-12

.5 Credit

Handbell Choir is a unique ensemble for the highly motivated, dedicated, and talented musician. Musicians with an above average reading and rhythmic ability are accepted in to the group. Members must also be involved in either the band or choir programs. Selection is based on the director’s recommendation. The Handbell Choir may be required to perform at areas outside of the school setting in addition to concerts scheduled within the school year.

JAZZ ENSEMBLE**Grades 9-12****.5 Credit**

Jazz Ensemble offers talented students the opportunity to perform more difficult music in the jazz, rock, ballad, Latin and swing categories. Prerequisites for this ensemble are: Participation in concert band and approval of the director. Students may be required to perform at areas outside of the school setting in addition to the concerts scheduled within the school year. Performance and rehearsal participation is required to receive credit. This course meets the music/art graduation requirement (if taken for a minimum of 2 years) and may be used as a component in the Fine Arts sequence to eliminate the Foreign Language requirement in the Regents Diploma with Advanced Designation.

MUSIC THEORY**Grades 9-12****.5 Credit**

Students learn the basics of music notation, form, scales, chords, music history, rhythmic dictation, and how to play major instruments. This course is recommended for anyone pursuing a career in music, but can be understood by anyone who simply enjoys music.

ADVANCED THEORY**Grades 9-12****.5 Credit**

Students work on advanced music analysis, composition skills, conducting technique, ensemble arranging, and classroom music teaching skills. Students become the project leaders in hands on real life situational music settings of: jingle writing, performance arts, etc. This course is highly recommended for those pursuing a career in music, classroom teaching, and musicians wishing to pursue leadership roles. It is also beneficial, and attainable, for those wanting an in depth understanding of music.

Prerequisite: Music Theory I

PHYSICAL EDUCATION

All students must take and pass Physical Education each year of high school. The Physical Education curriculum is designed to encourage participation for all levels of ability.

PHYSICAL EDUCATION

Grade 9-12

.25 Credit

Physical Education relates directly to good health and is a powerful social agent. This program provides opportunities for students to interact with their peers and become involved in activities that can be enjoyed now and for much of life. Physical Education develops skills and provides knowledge for physical fitness and enjoyment of physical activity. Activities presented to the student include but not limited to. Conditioning and body mechanics, self-testing activities, cooperative games, team sports, and rhythm and dancing.

SCIENCE

Students must pass three units of science and one Regents science exam to earn a Regents diploma. Students must pass three units of science and 2 Regents science exams to earn a Regents with Advanced Designation diploma. At least one course must be in life science and one course shall be in physical science. The third course may be either life science or physical science. Oppenheim Ephratah-St. Johnsville strongly encourages students to study science throughout high school. Regents science courses require a science lab in addition to the class. In order to qualify to take a Regents examination in any of the sciences, a student must complete 1200 minutes of laboratory experience with satisfactory documented laboratory reports.

ADVANCED PLACEMENT BIOLOGY

Grades 11-12

1 Credit

Prerequisites: Students who sign up for AP Biology should have successfully completed Living Environment, Biology and Physical Settings Chemistry or be enrolled in Physical Setting Chemistry. Some colleges grant AP credit and/or course credit based on AP exam scores.

AP Biology is designed to be a rigorous course equivalent to a two semester college introductory biology course. All work is designed to be at the college level and students are expected to work accordingly. This is a fast paced course dealing with more in-depth content than the Living Environment course. Lab requirements are more rigorous with students completing not only the 12 mandatory laboratories but both online and outside labs to facilitate learning. Students are expected to take responsibility for their learning by spending the required time in class and to also devote extended time out of class working on required assignments in order to achieve mastery in biology. There is a required summer assignment.

PHYSICAL SETTING: REGENTS EARTH SCIENCE

Grades 9-12

1 Credit

This is a one-year, one credit lab based course that uses an inquiry based approach to the study of the physical environment. This course will introduce the student to the concepts in geology, meteorology and astronomy. A survey of Earth Science will include lab safety, observation and measurement of the environment, changing environment, measuring the earth, earth motions, energy exchanges in the atmosphere, the erosion process, depositional process, formation of rocks, dynamic crust, interpreting geologic history, landscape development and environmental change. Students will study the key ideas and major understandings in the New York State Earth Science Core Curriculum. There is a lab requirement that must be met to be eligible to take the Earth Science Regents Exam.

LIVING ENVIRONMENT: Regents Living Environment

Grades 8-12

1 Credit

The Living Environment is a course that focuses on the study of living organisms. Students will study key ideas and major understandings in the New York State Living Environment Core Curriculum. Major topics that will be addressed are the unity and diversity among living things, human body systems and their roles in maintaining homeostasis, reproduction and development, genetics, evolution, and ecology. The goal of the student in this course is to develop a working knowledge of biological science so that it can be related to everyday life and life functions. For each topic there are related lab activities that are required in the New York State Core Curriculum. To take the Regents Examination in the Living Environment, students must have successfully completed 30 laboratory experiences with satisfactory written reports for each laboratory investigation. There are four New York State mandated lab experiences included in the 30 required labs. It is expected that laboratory experiences will provide the opportunity for students to develop scientific inquiry techniques, learn the interconnectedness of content and problem solving, as well as develop laboratory skills related to the living environment.

PHYSICAL SETTING: REGENTS PHYSICS

Grades 11-12

1 Credit

Prerequisite: Algebra II or may be taken concurrently. Must have completed and passed 2 or more Regents Science Exams - Earth Science/Living Environment/Chemistry.

Physics is the study of the laws of the universe through measurement. This is a hands-on study of Natural Laws such as: gravity, projectiles, collisions, explosions, electricity, nuclear energy, wave motion, magnets, light and sound. Simple math concepts are used throughout the course to examine and solve problems. Physics is a combination of hands-on activities, demonstrations and discussions to provide the student with a better understanding of the physical occurrences in the nature as well as the ability to predict the outcomes of those occurrences. There is a lab requirement that must be met to be eligible to take the Physical Setting: Physics Regents Exam. The Regents Physical Setting exam will conclude this course.

College in the High School: 6 Credits SUNY FMCC SCI 161/SCI 162 Introduction to Physics I/II

PHYSICAL SETTING: REGENTS CHEMISTRY Grade 10-12 1 Credit

Prerequisite: Must have completed and passed Regents Algebra, Geometry, Earth Science and Living Environment Regents, unless special permission is granted by instructor.

Chemistry is a challenging course for the study of the matter and energy that is all around us. Using a systematic approach, the student is encouraged to solve problems using experiments and exercises to predict future outcomes. This is accomplished through the use of demonstrations, discussion, and hands-on laboratory experiments. There is a lab requirement that must be met to be eligible to take the

Chemistry Regents Exam. The Regents Physical Setting exam will conclude this course.

College in the High School: 3 Credits SUNY FMCC SCI 170 Introduction to Chemistry I

VETERINARY SCIENCE Grades 10-12 1 Credit

Prerequisite: Successful Completion of Regents Earth Science and Living Environment.

This is a full year course designed for those interested in becoming a Veterinarian or for those who just love animals. Veterinary science will expose students to the field of veterinary medicine and the body systems of animals. This science based class will include topics like: safety and sanitation, anatomy and physiology, parasitology, posology, principles of disease, laboratory techniques and much more. This course will prepare students for college level work in the field of animal science, veterinary science, and biology.

EXPLORING AGRISCIENCE Grades 9-12 1 Credit

This introductory agriculture course will explore many topics of agriculture and natural resources. It will introduce students to plant science, animal science, landscaping, forestry, aquaculture, small engines, agricultural careers and more. It is a full year course that will take place every day over the distance learning network. Students will leave this course with knowledge about the agriculture industry as a whole and how it plays a key role in everyday life.

SOCIAL STUDIES

All students must pass four years of social studies in order to earn a high school diploma. Required courses are Global History 9 and 10, U.S. History and Government, Participation in Government and Economics

GLOBAL HISTORY 9

Grade 9

1 Credit

This course focuses on the Ancient World, expanding zones of change, global interactions, and empires. Special emphasis is placed on the geography of the world, religions of the world, the development of political and economic systems throughout time and place, and the development of world cultures. This course is designed to improve each student's reading, writing and analytical skills through assignments including the writing the thematic essays and document based questions.

GLOBAL HISTORY 10

Grade 10

1 Credit

Open to students who passed Global 9.

The tenth grade curriculum covers units on the First Global Age 1450-1770, The Age of Revolution 1750-1914, Crisis and Revolution, War, Advancement, and Achievement, 20th Century since 1945, and Global Connections. The purpose of the program is to present and explain the development of global beliefs, and the evolution of political, economic, and social systems within our diverse and interdependent world. Students are required to do extensive reading, note taking, and organizational skills. The New York State Regents Exam in Global History and Geography II (Framework) will be given at the end of this course.

U.S. HISTORY AND GOVERNMENT

Grade 11

1 Credit

Open to students who passed Global 10.

This course is designed to improve each student's reading, writing and reasoning skills. U.S. History is presented in a chronological approach. Students study the structure and function of government so that they may develop a stronger commitment to democratic values. One goal is to explain the relevance of the past to modern day young citizens. Contemporary issues are an integral part of the course. Oral and written reports are assigned throughout the year. The Regents exam in U.S. History and Government is taken at the end of the course.

AP UNITED STATES HISTORY /SS 283/284 (DL) Grade 11

1 Credit

6 College Credits (Distance Learning course)

Open to students in grades 11-12 who:

- Have passed the Global 10 regents exam with an 85 or higher
- Have an overall cumulative GPA of an 85 or higher
- Teacher recommendation from Global 10
- Summer assignment required

This Advanced Placement course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory college courses. Students should learn to assess historical material, their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarships. In addition to exposing students to a very detailed list of historical content, students will analyze and interpret primary sources, including commentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. Students will learn to take notes from both printed materials and lectures or discussions, write essay examinations and write

analytical and research papers. Students may also be eligible to earn 6 college credits from Fulton Montgomery Community College.

PARTICIPATION IN GOVERNMENT

Grade 12

.5 Credit

Open to students in grade 12 who have passed the U.S History and Government course. Students will have an understanding of: the basic structures, functions, and operations of the American Government; apply both the principles and practices of government which asks them to be participants in the process of public policy formation and action.

ECONOMICS

Grade 12

.5 Credit

Open to students in grade 12 who have passed the U.S. History and Government course. The first half of the course examines microeconomics: studying the economy from the “bottom up” to understand how individuals, families, and firms make decisions about working, spending, investing, and saving.

INTRO TO MACROECONOMICS – HCCC COLLEGE NOW CLASS

.5 Credit

Open to students in 12th grade who have:

- an overall cumulative GPA of an 85 or higher
- a teacher recommendation from a core teacher

This course is designed to familiarize student with the economy as a whole, including such topics as national income, inflation, production and employment, money and banking, supply and demand, fiscal and monetary policy, economic growth and development, and international trade. This course fulfills the senior Economic requirement.

AMERICAN GOVERNMENT – HCCC COLLEGE NOW CLASS

.5 Credit

Open to students in 12th grade who

- Have an overall cumulative GPA of an 85 or higher
- Teacher recommendation from a core teacher.

An examination of the institutions, structure, organization and operation, finances, and politics of state and local governments with a particular emphasis on New York State. This course fulfills the senior PIG requirement.

SOCIAL PROBLEMS – HCCC COLLEGE NOW CLASS

.5 Credit

Open to students in 12th grade who

- Have an overall cumulative GPA of an 85 or higher
- Teacher recommendation from a core teacher.

This course is designed as analysis of major contemporary social problems, including illness and healthcare, alcohol and other drugs, crime and violence, family problems, social inequality, poverty and unemployment, problems in education and population and environmental problems. Emphasis is given to placing these problems in a global context, analyzing them from the three main theoretical perspectives of sociology, and strategies for societal action that may offer solutions.

SOCIOLOGY – HCCC COLLEGE NOW CLASS

.5 Credit

Open to students in 12th grade who

- Have an overall cumulative GPA of an 85 or higher
- Teacher recommendation from a core teacher.

This course is designed to familiarize students with the concepts and methods of sociology. The concepts include culture, socialization, deviance, and social stratification. The concepts are used to analyze major aspects of society including racial and ethnic relations, the family, politics and the state, education, population change and social change and social movements.

SPANISH-WORLD LANGUAGES

Students wishing to earn an Advanced Designation Diploma may choose to study 3 units of credit in a language, and pass the Regents Equivalency Comprehensive Assessment. Students must take Spanish in 7th and 8th grade, and successfully complete a proficiency exam at the end of 8th grade in order to earn the minimum of one language credit for graduation.

SPANISH 8

1 Credit

This second year course focuses on developing a level of proficiency in four basic skills – speaking, listening, reading and writing. Students must pass the Spanish Proficiency Exam at the end of 8th grade in order to receive the language credit for graduation.

SPANISH I

1 Credit

Spanish level I is required by all students who did not successfully pass the Spanish Proficiency exam at the end of 8th grade, or who do not already have two years of a language. This is a basic introductory course. Successful completion of the course and the local final exam will complete the language requirement for graduation.

SPANISH II

1 Credit

Open to students who have passed Level I in either 8th or 9th grade. This intermediate course continues to broaden the student's level of achievement in basic skills – speaking, listening, reading and writing. Through more topical contexts students expand their vocabulary along with the use of more advanced grammar skills. This is the second course in the three credit language sequence.

SPANISH III

1 Credit

Open to students who have passed Level II. This is a full year course. It is the third course in the language sequence. Students who successfully complete the course and pass the Regents exam will receive Regents credit and will also be eligible for an Advanced Regents diploma. The skills of listening, speaking, reading, and writing, as well as cross cultural understanding are enhanced from the previous levels.

*It is strongly suggested that students remain in the three credit sequence for three consecutive years.

SPANISH IV

1 Credit

For students who have successfully completed the checkpoint B (Regents) exam. Students will advance their ability to speak, read, listen and write in Spanish. Students will develop a greater understanding of the cultures of the different Spanish speaking countries.

Year A: South America

Year B: Spain, Cuba, Puerto Rico and Canary Islands

Each year students will expand their knowledge of the language and culture of the target countries through the following: film, literature and short stories, music, art, and food. The courses will alternate years with an A and B curriculum in order to accommodate students who would like to continue their language studies.

SPANISH V

1 Credit

For students who have successfully completed the checkpoint B (Regents) exam and Spanish IV.

Students will advance their ability to speak, read, listen and write in Spanish. Students will develop a greater understanding of the cultures of the different Spanish speaking countries.

*The Spanish level 4 and 5 will run as a combined class with differentiation of assessments and expectations. Curriculum and lessons will be the same for both groups, however the level V students will be expected to produce more language (reading, writing, speaking) on assessments and in class.

TECHNOLOGY

DESIGN AND DRAWING FOR PRODUCTION (DDP) Grades 9-12 **1 Credit**
This course teaches the students the form of graphic communication known as technical drawing. Technical drawing is used throughout the world to describe how things are made. Students use modern computer software (CAD – Autodesk Inventor) and traditional drafting equipment to create drawings. Creative skills are developed through the use of “design challenges”; students create their own solution to a given problem.

TRANSPORTATION SYSTEMS I **Grades 10-12** **.5 Credit**
Students develop engineering and design skills by participating in a series of problem-solving activities and contests throughout the course. Transportation I focuses on ground based transportation. Additionally, occupations in Transportation will be studied.

TRANSPORTATION SYSTEMS II **Grades 10-12** **.5 Credit**
Students develop engineering and design skills by participating in a series of problem-solving activities and contests throughout the course. Transportation II focuses on air, space and marine transportation. Additionally, occupations in Transportation will be studied.

CONSTRUCTION SYSTEMS I **Grades 10-12** **.5 Credit**
This is a hands-on course where students use their creativity and imagination to solve various design problems as they relate to the living environment. Students learn about design principles, construction systems, structures, new building materials, and famous buildings around the world. Students create basic sketches, line drawings, construct models, and participate in building activities.

CONSTRUCTION SYSTEMS II **Grades 10-12** **.5 Credit**
This is a hands-on course where students use their creativity and imagination to solve various design problems as they relate to the living environment. Students learn about design principles, construction systems, structures, new building materials, and famous buildings around the world. Students create basic sketches, line drawings, construct models, and participate in building activities. Construction systems 2 is focused on material science and the building side of construction.

FURNITURE DESIGN I **Grades 10-12** **.5 Credit**
Furniture Design I is a course designed to introduce students to general woodworking practices. Students will expand their knowledge and experience through various projects, lessons, and vocabulary. Students will be expected to learn about and safely use hand tools, power tools, and woodworking machinery. The projects are designed to give students as much experience as possible by using many different machines and tools.

FURNITURE DESIGN II **Grades 10-12** **.5 Credit**
Furniture Design II is a course designed to introduce students to more advanced woodworking practices. Students will expand their knowledge and experience gained in Furniture Design 1 through various projects, lessons, and vocabulary. Students will learn about Joinery, Finishing, Wood Turning and other advanced woodworking concepts. The projects are designed to give students as much experience as possible by using many different machines and tools.

ROBOTICS I **Grades 10-12** **.5 Credit**

This course is a hands-on experience of basic robotics. The main objective of this course is to learn how to build, program, and test robots using Plug and Play parts. Some topics dealing with electricity and electronics will be covered along with block based coding.

ROBOTICS II

Grades 10-12

.5 Credit

This course is a continuation of the concepts learned in Robotics I. The main objective of this course is to learn how to build, program, and test robots using student designed equipment. Students will use text based coding and explore advanced robotics equipment such as Basic Circuitry, Hydraulics, Pneumatics and Transmissions.

COMPUTER INTEGRATED MANUFACTURING(CIM) Grades 11-12

1 Credit

Computer Integrated Manufacturing (CIM) is the study of manufacturing, planning, integration, and implementation of automation. The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation.

DISTANCE LEARNING

SUPA PSYCHOLOGY

Grades 11-12

1 Credit

Host – Mayfield. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major subfields within psychology (including topics such as the biological basis of behavior, perception, learning, cognition, motivation and emotions, states of consciousness, developmental, social and abnormal psychology, personality, treatment and research methods). They also learn about the ethics and methods psychologists use in their science and practice. (Syracuse Credit)

HISTORY OF THE HOLOCAUST

Grade 12

.5 Credit

Host – Mayfield. This course explores the roots of the Holocaust in European anti-Semitism, and traces the development of discriminatory attitudes toward their horrible outcome during the Second World War. The goal of studying, what is arguably the most crucial event in twentieth century history, is to provide students with a solidly grounded appreciation of the need for the respect and tolerance of others. The irrational basis of anti-Semitism will be analyzed, as will the methods by which the murderous rhetoric was literally put into practice, not simply by SS thugs, but also by the German Wehrmacht, by the police, and by “ordinary men”.

AP UNITED STATES HISTORY /SS 283/284

Grades 11-12

1 Credit

6 College Credits

Host - Mayfield Open to students in grades 11-12 who have passed Global History 9, 10 and the Regents exam. This Advanced Placement course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US History. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory college courses. Students should learn to assess historical material, their relevance to a given interpretive problem, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarships. In addition to exposing students to a very detailed list of historical content, students will analyze and interpret primary sources, including commentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. Students will learn to take notes from both printed materials and lectures or discussions, write essay examinations and write analytical and research papers. Students may also be eligible to earn 6 college credits from Fulton Montgomery Community College.

EQUINE STUDIES

Grades 9-12

.5 Credit

This course gives students an in-depth introduction to the field of animal health care and equine science. Students will complete a curriculum that covers breeds, anatomy, nutrition and feeding, conformation faults, diseases, reproduction, behavior, facilities and stable practices, careers, business management and FFA leadership. Students who complete the course will be well-equipped for the equine industry or further education.

HOSPITALITY MANAGEMENT I **Grades 10-12** **.5 Credit**
Introduction to HTM provides basic training for hospitality positions in the rooms and food and beverage divisions of a lodging operation, including front desk, reservations, housekeeping, bell services, banquet setup and service and more. Guest service, professionalism and career exploration are other important components of this course. Hospitality & Tourism is the No. 2 industry in New York State and of prime importance to the economy of the Adirondack North Country Region and many of its counties, including New York City. Program Syllabus includes the following topics: World of Hospitality, Guest Service, Careers & Professionalism, Safety & Security, Rooms Division, Front Desk Representative, Reservationist, Bell Attendant, Guest Room Attendant, Maintenance Associate, Laundry Attendant, Public Space Cleaner, Food & Beverage Division, Restaurant Server, Banquet Setup Staff, Banquet Server, Bus Person. Articulation Agreements with cooperating two and four year colleges are future possibilities, as well as courses for more in depth study leading to a variety of Hospitality Industry Certifications through participating members of the American Hotel & Lodging Association (Educational Institute) and the NYS Hospitality & Tourism Association.

HOSPITALITY MANAGEMENT II **Grades 10-12** **.5 Credit**
Introduction to HTM provides basic training for hospitality positions in the rooms and food and beverage divisions of a lodging operation, including front desk, reservations, housekeeping, bell services, banquet setup and service and more. Guest service, professionalism and career exploration are other important components of this course. Hospitality & Tourism is the No. 2 industry in New York State and of prime importance to the economy of the Adirondack North Country Region and many of its counties, including New York City. Program Syllabus includes the following topics: World of Hospitality, Guest Service, Careers & Professionalism, Safety & Security, Rooms Division, Front Desk Representative, Reservationist, Bell Attendant, Guest Room Attendant, Maintenance Associate, Laundry Attendant, Public Space Cleaner, Food & Beverage Division, Restaurant Server, Banquet Setup Staff, Banquet Server, Bus Person. Articulation Agreements with cooperating two and four year colleges are future possibilities, as well as courses for more in depth study leading to a variety of Hospitality Industry Certifications through participating members of the American Hotel & Lodging Association (Educational Institute) and the NYS Hospitality & Tourism Association.

MARINE SCIENCE **Grades 11-12** **1 Credit**
Marine Science is a one-year course about the ocean and life in the ocean. Some of the topics we will cover are ocean exploration, ocean properties, marine environments, marine invertebrates, and marine vertebrates. The course includes hands-on projects, computer-based projects, as well as traditional lecture-based instruction. Students will also participate in interactive virtual field trips throughout the school year to Dolphin Research Center in Florida.

SPORTS AND SOCIETY **Grades 10-12** **1 Credit**
A must for sports enthusiasts, this course will emphasize the close connection between athletics and society at large. Through the reading of selected texts, the viewing of various films, the writing of critical essays, and their active participation in analytical weekly class discussions, students will consider the extent to which athletics serve as a lens through which we may examine a variety of social issues. Topics of emphasis will include the following: academics, coping with failure, discipline, economics, ethics, evaluation, goal setting, interpersonal skills, leadership, parental interference, problem solving, race-related issues, and self-evaluation. One of the highlights of this course is the fantasy football unit, which includes the opportunity for some friendly competition among the members of the class.

THE SHORT STORY **Grades 11-12** **1 Credit**
This half-year course is a critical exploration of the short story in its many forms. The course will survey works from classic masters (such as Chekhov, Lawrence, Poe, and Hawthorne) and more modern technicians (Hemingway, Cheever, Dubus, Carver, Lahiri). Students will also learn various models of critical

studies through which to analyze the stories including psychological analysis, gender studies, new critical studies, and liberal humanism. Class discussions will be the center of the course, with each student taking a turn in role of "expert" and "discussion leader."

DAIRY SCIENCE

Grades 9-12

.5 Credit

A broad overview of the dairy industry. Students will study the economic impact of the dairy industry, know historic events that have impacted the industry, identify different types of housing facilities as well as have a basic understanding of marketing dairy products. Students will research important feed types for a cow's diet, how to interpret records and recognize diseases by symptoms and how to treat them. Students will learn how to manage a dairy business.

CALCULUS

Grades 11-12

1 Credit

This is the first-year calculus sequence required of all science and engineering majors at Syracuse University; it comprises the first four credits of this eight-credit sequence. The development of scientific calculators with graphics capability has made possible some significant changes in the way this material is taught, and many colleges and universities are now incorporating them in their calculus sequence. In sections of calculus offered off-campus through Project Advance and in selected campus sections, design changes have been made to integrate these calculators into the learning process. The course design allows for some variations in pacing, as determined by site instructors and the supervising faculty.

The mathematical content of this program is typical of most traditional first-year calculus courses. The concepts of limit, continuity, derivative, and anti-derivative and definite integral are developed in the usual way, and then applied to the traditional collection of functions: polynomial, rational, trigonometric, and exponential, together with their inverses, compositions, and algebraic combinations. The results are then applied to a wide variety of problems from geometry, physics, and other sciences. These include maximum and minimum problems, related rates, areas, volumes and surfaces of revolution, arc length, work, fluid pressure, velocity and acceleration, and exponential growth and decay. Curve sketching is introduced at the very beginning and emphasized throughout, as we believe strongly that this is an important skill for any calculus student to acquire. Graphing calculators are a help here, since they contribute substantially to an understanding of the functions being sketched. They are only a help, however; the calculators are not used as a substitute for the skill itself. During the course students are introduced to progressively more sophisticated programming techniques for the calculator. They are shown how to write programs first for the evaluation and tabulation of functions, and then for numerical evaluation of limits, derivatives, and roots (the last by Newton's Method). Students then learn to do finite sums, Riemann sums, and finally numerical integration (by Simpson's Rule). Programs are stored in the calculator as they are written and are used throughout the course.

SPONSORING COLLEGE: Syracuse University (SU): MAT 295 - Calculus I and MAT 296 - Calculus II

CAREER AND TECHNICAL CENTER

The mission of the Career and Technical Center is to provide technical training opportunities for the competitive world. The Career and Technical Center offers many one and two-year programs that enable students to be prepared for the job market or college after graduation from high school.

Students attend the Career and Technical Center for a half-day during both grades 11 and 12, and may earn a total of 7 units of credit. Students who complete a two-year Career Ed program may earn a CTE endorsement at graduation and/or a CDOS certificate.

Students interested in learning more about the Career and Technical Center should speak with the high school counselor early on in high school. Students must meet OESJ Board of Education approved criteria to be eligible to attend the CTC. The criteria the individual student must meet is as follows:

- The student must be able to graduate with their cohort group using the multiple pathways provided by New York State (reviewed on a case by case basis).
- The student must have average (no more than 12 absences) or better attendance with the exception of an extraordinary circumstance such as a one-time personal illness. This illness must be supported by a parent/doctor's note. Under the same guidelines, the student is allowed no more than 6 unexcused days tardy.
- The discipline file, if applicable, must be acceptable by Administration's standards.
- Task Persistence – the student must perform or participate in some activity that indicates an interest in the CTC program area.
- Post Secondary Plan – the student must have a post secondary goal related to or involving the CTC Program area.

Auto Body Repair
Auto Technology
Construction Technology
Cosmetology
Criminal Justice
Culinary Arts
Cybersecurity and Computer Technology
Digital Multimedia
Engineering Technology
Environmental Conservation
Foundations of Food Services
Medical Assisting
Veterinary and Animal Science
*New Visions Education
*New Visions Health Careers
*Skilled Trades: Electrical, HVAC and Plumbing

*senior only program

