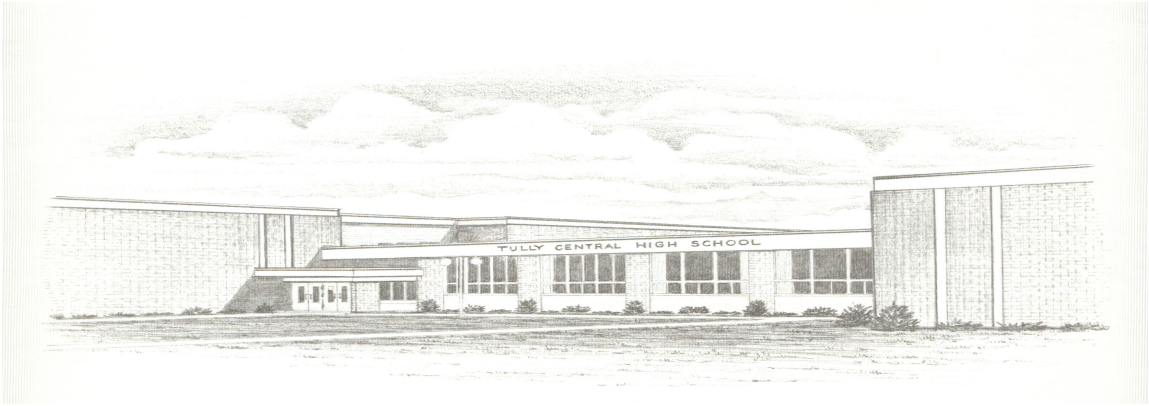
2021-2022

Program of Studies
Tully Junior-Senior High School



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INTRODUCTION

Counseling & Career Center
Academic Procedures
Diploma Requirements

COURSE DESCRIPTIONS

English

Social Studies

Mathematics

Science

Physical Ed./Health

Fine Arts

World Languages

Career & Technical Education

Off Site Career Tech Education

COUNSELING AND CAREER CENTER

The Counseling and Career Center staff is available to guide students in educational planning, career options, personal/social decision making and problem solving. Counselors work with students individually, in groups, and in classroom settings. Counselors advise each student in developing an overall educational program. They communicate with parents, teachers, and other personnel to assist in this progress. Parents are encouraged to contact the counselor at any time concerning academic programs, social and personal concerns, program selections, or post-graduate plans.

Counselors meet with students regularly to conduct academic reviews. During academic reviews, counselors will assess the year's progress, recommend appropriate courses of action, and discuss future academic programming and post-high school plans. Parents are encouraged to arrange additional conferences as needed if concerns arise.

COURSE SELECTION PROCEDURE

As early as January, counselors review with students the requirements for graduation and any changes in curriculum for the following year. The program of studies guide is also available at this time. Students have the opportunity to ask questions about the program of studies and courses available to meet their career and academic goals.

Students meet individually with their counselor to select courses for the following year. Students in grade 11 have individual meetings with their counselor and parents to review plans. Current student achievement, career aspirations, and goals are reviewed and every effort is made to encourage students to take the most appropriate and challenging courses.

COURSE LEVELS

ADVANCED PLACEMENT AND COLLEGE LEVEL COURSES

The College Board, Onondaga Community College, and other colleges have endorsed certain Tully High School courses as eligible for college or advanced placement credit as well as for high school credit. Successful completion of the course and appropriate exams allow our students to receive college credit. There are application procedures and criteria to be admitted into and remain enrolled in AP courses. Advanced Placement tests are given nationally in mid-May. Several colleges award advanced standing toward graduation to students who achieve a certain score on the AP exams.

HONORS COURSES

Honors level courses are designed to challenge students by providing enrichment and additional skill development through in-depth study. Students are recommended by the appropriate teacher to pursue such courses. Students in these courses will also take Regents examinations if they are offered in that subject.

REGENTS COURSES

These courses meet the New York State Regents standards and prepare students for required state level examinations. Regents courses prepare students for entrance into challenging careers and additional study at the higher education levels.

ACADEMIC PROCEDURES

Absences - When a student is absent from class or school, a student is allowed a one-day make up time for every day he/she was absent, up to a maximum of two weeks. If a student is absent from school due to illness, homework assignments should be requested by calling the Counseling and Career Center by 9 am.

Academic Intervention Services – Intervention services are scheduled for students who are selected or recommended on the basis of assessment results or classroom performance. Recommendations for academic intervention may come from teachers or be based on previous course grades. Students may be required to attend an academic intervention class based on statewide assessment results.

Commencement - Commencement is the graduation ceremony where Tully Junior-Senior High School students who have completed all requirements are awarded diplomas endorsed by New York State and the school district.

Credits - Students must carry a minimum of 6.5 of Tully Junior-Senior credits each year. If a student chooses to take additional coursework outside of Tully Junior-Senior High School classes, those do not count towards the 6.5 credits.

Dual Credit - Dual credit may be granted for an off-campus college level course. Prior to enrollment off campus, a student must complete the Request for Dual Credit form in the Counseling and Career Center. College courses taken for high school credit must be approved in advance by the school counselor and principal.

Early Graduation - A student may apply for graduation in fewer than eight semesters. The student must present a plan for completion of all requirements for graduation in less than four years. Approval of the principal and the school counselor is required.

Grades - The passing mark for all courses in grades 7-12 is 65%. Grades are numerical and there will be a grade for each subject for every marking period. Grades will be weighted for class rank and for honor roll. Courses are weighted as follows:

Courses	Weighting Factor
Advanced Placement / College Courses	1.10
Chemistry, Physics, Honors	1.05
All other classes	1.00

High Honor Roll and Honor Roll*

The criteria for determination of High Honor Roll and Honor Roll includes:

High Honor Roll: 95.0 or above
Honor Roll: 90.0- 94.9
Merit Honor Roll: 85.0- 89.9

*A student must attain the overall average listed above while taking a minimum of 6 regular subjects, plus physical education with no failing or incomplete grades.

*Students in BOCES programs must obtain the overall average listed above while taking a minimum of 3 subjects plus physical education in addition to their BOCES program.

*Students on independent study must receive a grade every 10 weeks. This grade will be included in the honor roll calculation.

High School Promotion Procedure

Freshman- Promotion from 8th grade
Sophomore- 4.5 or more credits (at least two credits must be from English, Math, Social Studies, or Science)
Junior- 10 or more credits
Senior- 16 or more credits

Course Requirements: Students in 9th, 10th, 11th, and 12th grade must take a minimum of six (6) credits plus physical education

Honor Graduates - All seniors who have an average of 90% or higher will be designated as honor graduates and are recognized as such at commencement. Seniors with an average of 85-89.9 will be recognized as merit graduates. *Beginning with the class of 2022, only students with an average of 90.0 and above will be recognized at graduation.

Independent Study - Students may request to take courses not offered in the schedule as an independent study. An independent study requires a teacher supervisor. All independent studies require a syllabus and approval from the principal, teacher, and counselor.

Middle School Course Requirements - Middle school students do not receive credits towards graduation for these courses. New York State requires that all middle school students receive instruction in the following areas:

Junior High Course Requirements

English	2 units of study
Social Studies	2 units of study
Math	2 units of study
Science	2 units of study
World Languages	2 units of study*
Music	0.5 units of study
Art	0.5 units of study
Health	0.5 units of study
Technology	1.0 unit of study
Career and Technical Education	0.75 units of study

* Required by the end of grade nine

(Units of study equal one daily class period for an entire year)

Summer School- Summer school is available for both junior and senior high students. Students may use summer school classes to repeat classes they have failed; however, not all classes may be available in summer school. Summer school grades will be noted on the transcripts (symbol, **).

Transfer Credits- Students who transfer to Tully Junior-Senior High School from another state will have their previous transcripts reviewed by both the counselor and principal. Credits that meet New York State requirements can be awarded. Grades from previous courses where credit is granted will be converted to numerical grades and transferred into the student's overall grade point average.

DIPLOMA REQUIREMENTS
Regents Diploma and
Regents Diploma with Advanced Designation

English	To satisfy the English requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 4 credits. The Comprehensive English Regents Exam is needed to graduate.
Social Studies	To satisfy the Social Studies requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 4 credits. The Global History and Geography Regents Exam **AND** the United States History Regents Exam are needed to graduate.
Mathematics	To satisfy the Mathematics requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 3 credits. The Algebra I Regents Exam is needed to graduate. Additionally, the Geometry Regents Exam **AND** the Algebra 2 Regents Exam are needed for the Advanced Designation.
Science	To satisfy the Science requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 3 credits. A Physical Science Regents Exam **OR** Life Science Regents Exam is needed to graduate. An **additional** Science Regents Exam is needed for the Advanced Designation.
World Languages	To satisfy the World Languages requirement for the Regents Diploma, students need 1 credit. Two additional credits **AND** the Comprehensive Local Exam are needed for the Advanced Designation **OR** students may earn one credit of a second language and substitute a 5 unit sequence in Art, Music, or Career and Technical Education to meet this requirement.
Fine Arts	To satisfy the Fine Arts requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 1 credit.
Health	To satisfy the Health requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 1/2 credit.
Physical Ed.	To satisfy the PE requirement for the Regents Diploma/Regents Diploma with Advanced Designation, students need 2 credits.
Electives	To satisfy the Electives requirement for the Regents Diploma students need 3.5 credits. To satisfy the requirement for the Regents Diploma with Advanced Designation students only need 1.5 credits in order to compensate for the extra LOTE credits needed.
Total Credits	Students are required to earn 22 credits in total **AND** pass 5 Regents examinations to receive the Regents Diploma. Students are required to earn 22 credits in total **AND** pass 8 Regents examinations **plus** pass 1 Comprehensive Local exam to receive the Regents Diploma with Advanced Designation.

English

All students will be required to complete one English unit of study in both 7th and 8th grades. All students must complete one unit of study in English for each year in grades 9-12, excluding English electives. Students are required to pass the English Regents Exam to graduate, typically in 11th grade. An Honors English class is available in grades 10 and 11, and a college credit bearing OCC English/AP English Literature class is offered in grade 12. Students will be recommended/reviewed for the honors/college level classes in the spring of each year.

English 7

Students learn proficiencies in oral and written communication skills and in reading for understanding and appreciation that will prepare them for high school. Common Core grammar, literature, and composition skills are the focus. Students will learn to write a five paragraph essay with a thesis statement as well as complete a research paper. Vocabulary development will include Latin and Greek prefixes and roots. In literature they will become familiar with many genres such as poetry, novels, nonfiction, and short stories, and learn the literature terms associated with each type of genre.

English 8

This course further develops students' use of English skills in preparation for the New York State Assessment, future high school work, and eventual college and career readiness. Students will be encouraged and prepared to confidently read various texts, analyze information, write coherently, speak effectively, and listen actively. Grammar, vocabulary, spelling, and literary terms are topics that will be emphasized. Student writing of essays is stressed using a process approach which involves brainstorming, pre-writing and organizing, drafting, proofreading, peer-editing, and revising. Students will write both fiction and non-fiction pieces as well as a research paper. Making claims and using evidence-based details, including citations, will be at the forefront of writing instruction. There are textbooks, articles, and various novels from which fiction and non-fiction works of several genres are read.

English 9
1 credit

This course builds upon students' previous knowledge of fiction, non-fiction, and literary elements in order to begin the preparation for the English 11 Common Core Regents exam. This course also places an emphasis on moving students' thinking from the literal to the increasingly abstract. Students will read widely from a variety of genres and texts, and they will demonstrate their understanding of these texts as they engage in a variety of writing assignments, projects, and activities. Students will also analyze the structure of what they read, and they will use this analysis as a basis for strengthening their own writing as well as a foundation for demonstrating a greater understanding of an author's craft and intention. Students will also write using a variety of genres and for a variety of audiences. Writing will focus on the use of the entire writing process and will be strengthened through the modeling of key skills and concepts. Student writing will include, but will not be limited to, narratives, essays of various types, and research writing. Students will also be provided ample opportunities to develop their verbal communication and listening skills through a variety of means.

Honors Courses in English, Grades 10-12

Though Honors courses meet the criteria listed in each of the course offerings above, students can expect much more from an Honors English course. The following is true of all Honors courses in English:
•Honors courses are more demanding. The level of rigor is significantly higher in an Honors course, and, as a result, these students will read and write more. They'll have longer and more difficult assignments.

•Students will need to devote significant time outside of class to keep up with the demands. Honors courses move at a much faster pace and students are responsible for advocating for their own needs if the pace becomes too much to handle.
•Honors courses require less concrete thinking and more abstract thinking. Students who enroll in Honors courses must be willing to take intellectual risks so as to challenge their abilities to think critically.
•Attitude counts when it comes to Honors courses. Students in Honors courses relish academic challenges. They see every assignment as an opportunity, and they never shy away from a chance to push themselves.
•Honors students are necessarily more organized and responsible than the average student. These traits are essential when it comes to navigating these more demanding courses.

English 10
1 credit

This course develops student understanding of fictional forms, including the novel, short story, and drama, and deepens students' understanding of the author's craft as it pertains to fiction. In this class, students read, study, and analyze a variety of titles. Students in this class are also expected to reflect widely on the literature read, as well as respond to, discuss, and question extensively an author's purpose and the message a piece of literature conveys, while making connections to life, society, and non-fiction. In addition, students are exposed to various genres of non-fiction works; a particular emphasis is placed on students becoming proficient analyzers of various structures and rhetorical strategies writers employ in good non-fiction pieces. Writing is an integral part of this class's curriculum. Students will write a fictional piece that asks them to model their own writing style after some of the great American short story authors. Students will also write argumentative pieces on a variety of topics. Analytical responses to literature and research writing are also stressed in English 10. In addition, students will also enhance their writers' toolboxes through an in-depth study of sophisticated vocabulary and grammar/punctuation.

English 11
1 credit

English 11 focuses on the reading and writing skills necessary to comprehend, analyze, and extend thinking beyond the page. Each novel will be paired with nonfiction as a way for students to make connections and mirror the reading habits that will be required of them as they enter college or the workplace. In addition to novels and nonfiction, students can also expect to read memoirs, speeches, poems, and plays. Students will be expected to apply their knowledge of literary elements throughout the course and they will deepen their understanding of the author's craft as it applies to structure, tone, and diction. Students will write with a variety of purposes for a variety of audiences. For example, they will develop and share a research project and will prepare for the 11th grade Common Core Regents exam by writing assignments that match the tasks of the Regents exam. Students will use the writing process (the steps of which include prewriting, drafting, responding, revising, editing, and publishing) for most of their written work. The teacher will provide instruction in grammar and editing for each writing assignment and will conference with students as necessary. Students will develop their acquisition of S.A.T. level vocabulary throughout the year with lessons and assignments designed to familiarize them with the strategies used by successful readers and writers. All students are expected to take the Common Core Regents in June.

English 12
1 credit

English 12 begins with an exploration of voice and identity through the examination of authors' crafts and memoir, student observations, and the major elements of successful writing. Students apply their knowledge of voice and style in various writing forms including personal narratives, such as the college essay. It also begins with a study of the power of language to change our lives for the better. As a result, the study of grammar is another major focus to ensure students have the knowledge they need so their writing is always a positive reflection of their abilities. The year continues with a non-fiction framework providing a bridge to works of related fictional pieces. Skills necessary for career and college readiness are practiced and expected daily, including deep textual analysis, annotating, close reading, etc. These skills are expected to extend beyond the classroom into students' daily learning routines. Writing is constant throughout the year and takes many forms: copious notes and interactions with the text, frequent written observations, narratives, analytical and literature-based pieces, and research. Though students no longer have state assessments, they are preparing for college and workplace-caliber demands. Therefore, the expectations and

rigor of the class meet the demands of college and careers. Students can expect to spend a full class period per night on reading, writing, and/or researching in preparation for their futures.

English College Level:
OCC ENG 103 and ENG 104
AP Literature and Composition I and II*
1 credit, with the opportunity to earn up to 6 college credits and AP credit

College Level English is English 12 Accelerated. It is a rigorous course that requires a significant amount of time outside of the classroom. Offered through OCC, it is comprised of two courses taken in sequence. It is the policy of the school that the courses not be scheduled separately and that students register with the college to demonstrate their commitment. English 103- Develops the skills and forms necessary for writing college-level expository prose. Exercises and reading are intended to help advanced students develop content, organize information and ideas, and present that material to a reader clearly, concisely, and coherently. English 104- Teaches students to comprehend and respond to the ideas of others in their own writing. Skills such as analytic and critical reading and writing, decoding narration, and comparative analysis are developed through the study of literature. Students must take a placement exam offered at Tully through OCC in order to qualify. It is also strongly suggested that students seek and receive the recommendation of their previous year's English teacher before signing up for this course.

*This course usually runs concurrently with the Advanced Placement Literature and Composition course. During those years when this is the case, students will be required to take the AP Literature and Composition exam.

Humanities
1 English credit
1 Social Studies credit

Humanities 12 is a hybrid of English 12 and the two 20-week social studies courses students take in twelfth grade: Participation in Government and Economics. In this unique course, the standards and curricula of each course are blended into one course that uses literature as a vehicle for exploring our government and our economy. Students need the recommendation of a guidance counselor before enrolling in this class.

Film and Media Analysis
½ credit

It is the object of this course to provide students with a deeper understanding and appreciation of film, and to provide them with a sense of its major components, as well as a better understanding of the "language" of movies. Although students have undoubtedly viewed hundreds of movies and thousands of hours of motion picture content, what they have learned from those movies or about them is primarily on an instinctual level. However, in taking this course, students will gain an appreciation for the "language" of film, enabling them to understand it in an entirely new light. As a result, however enjoyable and "relaxing" students' movie experience generally is, they will have a more deep and complex understanding, causing students' viewing of a movie to be much more "active."

SAT/ACT Preparation Course
½ credit

The SAT/ACT preparation course targets students who have not yet taken the SAT or ACT. This class is intended to familiarize students with the tests and with techniques to make the most advantageous use of what they know when test day arrives. Students will learn the 'rules' or structure of the tests and how to make the best use of their limited time. Students learn and practice skills which will help them prepare to take standardized tests, as well as strategies that will strengthen their overall study and test-taking skills. The English instruction will work on improving vocabulary and word recognition, sentence completion, grammar, and reading comprehension skills. There will be a writing portion as well during which students will learn to write a well-organized and cohesive essay which satisfies the standardized criteria. The math instruction will address formulae, question analysis, and techniques for answering questions more quickly.

Social Studies

All students will be required to complete one Social Studies unit of study in both 7th and 8th grades. All students must earn four credits of Social Studies in grades 9-12, excluding social studies electives. Students are required to pass the Global History and Geography Regents exam and the United States History exam. Advanced Placement World History and Advanced Placement US History are available in grades 10 and 11 respectively. Students will be recommended/approved for AP classes in the spring of each year. The Social Studies department offers many half credit electives to expand students' learning in the social sciences.

Social Studies 7

This is the first year of a two year course in U.S. History. The curriculum is arranged chronologically, beginning with the settlement of North America by Native Americans and ending with the Civil War. This course will integrate skills and content from geography, politics, economy, and culture into the study of history through the use of reading and understanding political cartoons, graphs, maps, and charts. Critical thinking and writing skills will be emphasized so that students may successfully complete an inquiry via the standards provided by Engage NY.

Social Studies 8

This course examines American History from Reconstruction (1865-1877) to the present. A study of New York State History is included. Common Core Standards are also included. Emphasis will include, but is not limited to, reading and understanding graphs, maps and charts. Close reading and writing skills will be emphasized in each unit of study. A chronological approach dominates the instruction of this course. Inquiry based writing will also be incorporated.

Global History and Geography 9
1 credit

Students will study world history from Pre-History to 1700 A.D. Units include early civilizations of Africa, Asia, the Middle East, Latin America, Greece, Rome, the rise of Europe and the Middle Ages, the Byzantine Empire, Russia, the Renaissance and Reformation, the Global Age, the Age of Absolutism, the Scientific Revolution, and the Enlightenment. This is a Regents level course; students take the Regents at the end of tenth grade after taking Global History and Geography 10. Students will produce inquiry based writing assignments and there is a focus on the skills needed to be successful in Global History and Geography 10 - such as an introduction to enduring issues.

Global History and Geography 10
1 credit

Students will study world history from the French Revolution to the 20th century. Units include the Age of Revolutions, the Industrial Revolution, Nationalism, Imperialism, World War I, World War II, the Cold War, and Issues in the World Today. This is a Regents level course; students will take a Regents exam that will cover information from their tenth grade class. Students must pass the class and the Regents to graduate. The new Regents will include 30 stimulus based multiple choice questions and two essay questions. Throughout the year students will work on skills necessary to pass the Regents exam. Students must pass the Regents with a 65% or above to graduate.

United States History and Government
1 credit

Students will study United States History from its colonial origins to the present day. The first semester focuses on major pre -20th century themes: colonization, revolution, creation of and debates over the Constitution, the growth of the nation, slavery, Civil War, and Reconstruction. First semester work also includes the required study of the Constitution and the workings of our system of government. The second semester features themes central to the 20th century: America on the world stage, expanding immigration and urbanization, political and social reform, depression, world wars, cold war, and our nation's role in the world today. Current events are also discussed

throughout the year. The year culminates with a New York State Regents exam. The exam consists of stimulus-based multiple choice questions, two short essay questions, and a civic-literacy based DBQ.

Advanced Placement United States History
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This course is for the college bound and self motivated student. Students are engaged in an in-depth study of United States History from the colonial era to the present day. Emphasis is given to critical analysis of issues from our past and present. The course is reading and writing intensive. Grades are not on a curve, although the course is given extra weight for the purposes of class ranking. The student is required to take the College Board Advanced Placement examination in May. A fee (assistance available) is charged to take the exam. This course satisfies the Regents diploma requirement and students are required to take the United States History Regents exam in June.

Advanced Placement World History
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This course is for the college bound and self motivated student. Students are engaged in an in-depth study of the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. Emphasis is given to analyzing texts, visual sources, and other historical evidence and writing essays expressing historical arguments. The course is reading and writing intensive. Grades are not on a curve, although the course is given extra weight for the purposes of class ranking. The student is required to take the College Board Advanced Placement examination in May. A fee (assistance available) is charged to take the exam. This course satisfies the Regents diploma requirement and students are required to take the Global History & Geography Regents exam in June.

Economics
½ credit

This one semester course examines the fundamental principles of Economics and applies them to the student's role in the American economic system and the world community. Topics covered include general economic concepts, supply and demand, the American economic system, financial literacy, and global economic issues. Students will take a local final exam. Successful completion of this course is required for graduation.

Participation in Government
½ credit

The goal of Participation in Government is to educate students on the rights and responsibilities of a competent citizen so that they may fulfill their role as a citizen in our society. Participation in Government also provides opportunities for students to acquire knowledge and to work cooperatively to analyze public policy decisions, and to make informed decisions on public policy issues. Students learn how to locate information, process this information, and make decisions. This course provides an opportunity for students to understand their role as a citizen and to learn how they may directly or indirectly participate in the political process. This is a one-semester course that is required for graduation. Students will have a local final assessment.

Humanities
1 English credit
1 Social Studies credit

Humanities 12 is a hybrid of English 12 and the two 20-week social studies courses students take in twelfth grade: Participation in Government and Economics. In this unique course, the standards and curricula of each course are blended into one course that uses literature as a vehicle for exploring our government and our economy. Students need the recommendation of a guidance counselor before enrolling in this class.

Sociology

11th-12th grade
½ credit

This course focuses on the study of society and how people react in collective situations. It covers various topics including: socialization, groups and organizations, culture, methods of sociological research, education, mass movements, deviance, family, and social interaction.

Psychology
11th-12th Grade
½ credit

This course introduces students to the fundamentals of psychology. Students will develop their skills in the methods, approaches, and history of psychology. The course is designed for students to enter Psychology 101 on the college level and to be familiar with the material taught at that level. Topics covered include: theories of personality, physiology including sensation and the brain, intelligence and testing, abnormal psychology and therapies, and child/adolescent psychology.

The 1960s and the United States
10th-12th Grade
½ credit

The sixties were the age of youth as the children from the post-war baby boom became teenagers and young adults in great numbers. The movement from the conservative fifties altered the cultural fabric of American life at this time. Content will include a survey of the political, cultural, and social trends in the United States during the 1960s. The course is structured chronologically, but there will be some discontinuities in the timeline for exploration of particular themes – such as poverty, race, and popular culture. A selection of readings throughout the course will come from various ideological and political perspectives. A goal of the course is for all students to be able to write in an organized format, present information to others, and analyze the impact of the decade on today's society– skills that will serve students well in the academic worlds beyond this course.

Intro to Law
½ credit

Civil law, criminal law, juvenile justice, and the court system will be studied. The NYS Bar Association Mock Trial Program will be used to assist students in understanding the fundamentals of the U.S. legal system and this course will connect to the preparation that occurs on our Mock Trial Team. Supreme Court cases and courtroom procedures will also be studied. Students will improve their writing skills by completing research activities on the various topics of study. This is an introductory course for anyone with a passion for criminal justice.

College Writing in the Social Sciences
11th-12th Grade
½ credit

This half year course is designed to provide students an academic advantage upon entering college. Students will produce and revise multiple drafts of essays, practice essential skills of paragraph organization, and develop techniques of critical analysis and research. Students will do research on topics based in the social sciences. They will conduct short and long-term research projects, along with presentations and discussions. Students will have to use proper documentation. The student that completes this course will have experience in what it takes to produce work for a college degree.

Current Events
10th-12th Grade

½ credit

This half year course will introduce students to issues that influence our life in this global, multicultural society. Students will research current economic, political, social, and cultural problems and explore how ongoing conflicts affect groups as well as individuals. Issues at the local, state, national, and international levels will be discussed. These issues will be examined using a variety of media sources. Speaking and listening skills will be reinforced through class discussions and various activities. Writing and discussing weekly international and national news stories of interest are a component and requirement for this course.

Women in History
10th-12th Grade
½ credit

Women gave birth to history. Since the beginning of time, women have played a significant role in the development of various political, economic, and social changes. This course will examine women in American history, from colonial times to present day as well as momentous events that changed women and society. Students will use a variety of media and sources to research and explore the curriculum in depth. Technology related research will also be incorporated. Speaking and listening skills will be reinforced through class discussions. Students will also make connections to historical and present day events. This is the ideal course for anyone interested in learning more about the women who made history.

Math

All students will be required to complete one math unit of study in both 7th and 8th grade. All students must earn three credits of math to graduate. Students are required to pass the Algebra Regents exam to graduate. For the Regents Diploma with Advanced Designation, students must also pass Geometry and Algebra II, along with the respective Regents exams. An accelerated math program (Algebra) is available in eighth grade for those students meeting requirements and recommended for the program. The math department offers a variety of math options including Advanced Placement Statistics and Calculus, as well as College Credit bearing courses. Counselors and math teachers will work together to recommend the most appropriate math courses for each student.

Math 7

Seventh grade mathematics is about (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) 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; and (4) drawing inferences about populations based on samples. Students use a TI-30XIIS calculator in this class.

Math 8

Eighth grade math is about (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Students use a TI-34 calculator in this class.

Algebra 1
1 credit

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The units deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students use a TI-84 Color Graphing Calculator in this class.

Algebra IA
Prerequisite: Level 1 or 2 on NYS Math 8 Assessment or teacher recommendation
1 credit

Algebra 1A is the first of a two-year sequence to complete the Common Core Algebra 1 course. This course will follow the New York State Common Core Learning Standards for Mathematics and students will learn and explore algebraic functions, graphs, and systems. The delivery of this course stresses real-life applications and developing mathematical literacy and problem-solving strategies. This course will allow students to gain a strong foundation in basic algebraic concepts before completing the Algebra 1 course next year and taking the Regents exam.

Geometry
Prerequisite: Algebra 1
1 credit

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Students use a TI-84 Color Graphing Calculator in this class.

Intermediate Algebra
Prerequisite: Algebra 1 or teacher recommendation
1 credit

Intermediate Algebra is a non-Regents math course that students may take prior to Algebra 2 to improve their math skills. The topics include linear equations, inequalities, systems, polynomials, functions, exponentials, and logarithms. Students use a TI-84 graphing calculator. A final exam is given.

Algebra II

Prerequisite: Algebra I
1 credit

This is the third course of a Regents Mathematics sequence. The course focuses on complex numbers, relations and functions, transformations, exponential and logarithmic functions, probability, statistics, trigonometric functions, and applications. The student is required to take the NYS Algebra 2 Regents examination in June as a requirement for a Regents Diploma with Advanced Designation. Students use a TI-84 Color Graphing Calculator in this class.

TC3 Math 122 Technical Mathematics
Prerequisite: Algebra I
1 credit, TC3 college credit available

Designed specifically to meet the needs of students in technology programs, this course is a study of fundamental algebraic operations, linear equations, functions, applied geometry, trigonometry, and vector analysis. MATH 122 fulfills the SUNY General Education Mathematics requirement. Students will learn the basic mathematical concepts that are used in technology fields. The learned mathematical tools will be applied to the solution of stated problems that parallel those commonly encountered in the construction and electrical fields. The material is presented from an applied perspective rather than from a theoretical one using examples from both the construction and electrical fields. Students use a TI-84 Color Graphing Calculator in this class. A final exam is given.

TC3 Math 120 College Algebra
Prerequisite: Algebra II
½ credit, TC3 college credit available

This course covers college algebra between beginning algebra and pre-calculus. Topics include linear, quadratic, absolute value, polynomial, rational, exponential, and logarithmic expressions/equations/functions, function notation, graphing functions, transformations of functions, inverses, complex numbers, and linear, absolute value, and quadratic inequalities. Students use a TI-84 Color Graphing Calculator in this class. MATH 120 fulfills the SUNY General Education Mathematics requirement. A final exam is given.

Introduction to Computer Science
Prerequisite: Algebra 1
½ credit

This is a half-year course designed as an introduction to computer science. Students will build a solid foundation in computer programming and explore several careers connected to computer science. Topics in this course emphasize computational thinking and develop the ability to solve problems. Students will learn to write code in text-based Python. No prior computer science knowledge is required. There is a final project for this course.

OCC MAT 143 Pre-Calculus
Prerequisite: 75% or higher in Algebra 2 and a passing score on the Algebra 2 Regents or TC3 College Algebra exam AND a passing score on the OCC Placement Test
½ credit, OCC college credit available

This course is designed to provide the necessary foundation for a standard calculus course. Topics include absolute value and quadratic inequalities, functions and their equations, exponential and logarithmic functions and their applications, right triangle trigonometry, law of sines and law of cosines, trigonometric functions (circular) and their inverses, trigonometric identities and equations, addition and multiple angle formulas, and binomial theorem. Graphing calculator use is required. A final exam is given.

OCC MAT 161 Calculus 1
Prerequisite: 74% or higher in OCC Pre-Calculus 143
½ credit, OCC college credit available

This is the first course in calculus for students in mathematics, science, computer science, and engineering. Topics include basic analytic geometry, functions, limits and continuity, derivatives of algebraic and trigonometric functions, chain rule, implicit differentiation, antiderivatives, definite integrals, Fundamental Theorem, and applications of derivatives and integrals. Graphing calculator use is required. A final exam is given.

AP Calculus AB
Prerequisite: Pre-Calculus
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The student is required to take the College Board Advanced Placement examination in May. An AP exam fee (assistance available) is required.

AP Statistics
Prerequisite: Algebra 2 (May be taken concurrently with Algebra 2)
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This is an elective course for students who have successfully completed three years of Regents High School Mathematics. This course is an in-depth study of Statistics for the highly motivated student. Its purpose is to introduce the student to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. This course is recommended for the student who plans to major in engineering, psychology, sociology, health sciences, or business. The student is required to take the College Board Advanced Placement examination in May. An AP exam fee (assistance available) is required. A final project is conducted in June. Students use a TI-84 graphing calculator in this class.

OCC BUS 102 – Mathematics of Business and Finance
Prerequisite: Intermediate Algebra or Algebra 2
1 credit, OCC college credit available

This is an elective course for students who have successfully completed three years of Regents High School Mathematics. The course is a study of mathematical concepts and processes as applied to business and finance. Students will develop skills required to perform mathematical operations integral to the interpretation and solution of business problems. Arithmetic operations, signed numbers, linear equations, percentage, and statistical procedures are applied to such topics as accounting, retailing, risk management, banking, and finance. A final exam is given in June. Students use a TI-84 graphing calculator in this class.

Science

All students will be required to complete one science unit of study in both 7th and 8th grade. All students must earn three units of science credit to graduate. Students are required to pass a science Regents exam to graduate. For the Regents Diploma with Advanced Designation, students must also pass a second science Regents exam. An accelerated science program (Living Environment) is available in eighth grade for those students meeting requirements and recommended for the program. The science department offers a variety of options including Advanced Placement Biology and Chemistry, as well as many electives. Counselors and teachers will work together to recommend the most appropriate science courses for each student.

Science 7 & 8

During both seventh and eighth grade, students are exposed to physical and life sciences. This approach builds on skills and concepts learned in the elementary school, leading to the NY State Science 8 Assessment that is given in May and June of eighth grade. Students will be investigating Biology/Ecology, Chemistry/Physics, and Earth Science as they pertain to life science and the physical world. In seventh and eighth grade, students complete lab experiments to prepare for the lab practical portion of the NY State Assessment and for Regents Laboratory Sciences.

Living Environment
1 credit

The Living Environment course focuses on seven major units of study: Diversity of Living Things, Genetics, Evolution, Reproduction and Development, Maintenance of Homeostasis, Ecology, and Human Impacts on the Environment. Laboratory exercises are required. The New York State Regents requires students to complete written reports of laboratory exercises which will be designed to illustrate concepts developed during classes. This course is open to 8th graders primarily based on teacher recommendation. A final examination, the N.Y.S. Regents in Living Environment, is required.

Earth Science - Physical Setting
1 credit

Emphasis is placed on open-ended laboratory investigations in which the student should discover key concepts to be further developed during subsequent class discussions. The areas of study include: Observing and Measuring the Environment, A Model of the Earth, Solar Energy and Weather, Forces that Shape the Earth, Geologic History of the Earth, and basic Astronomy. Laboratory exercises are required. The New York State Regents requires students to complete written reports of laboratory exercises which will be designed to illustrate concepts developed during class. A final examination, the N.Y.S. Regents in Earth Science, is required.

Chemistry - Physical Setting
1 credit

This is a course for students considering any type of science or technical career (e.g. nursing or research-related career). Students should have a strong interest in learning the relationships between quantitative and qualitative aspects of science. The topics include: Matter and Energy, Atomic Structure, Chemical Bonding, the Periodic Table, Mathematics in Chemistry, Chemical Kinetics, Acid-Base Chemistry, Redox and Electrochemistry, Basic Organic Chemistry, and Nuclear Chemistry. Laboratory exercises are required. The New York State Regents requires students to complete written reports of laboratory exercises which will be designed to illustrate concepts developed during classes. A final examination, the N.Y.S. Regents in Chemistry, is required.

Physics - Physical Setting

1 credit

This course is aimed at all students with a sincere desire to learn more about the physical universe. It should be considered a required course for students planning on a science-related major or minor in college. The course is divided into five major areas: Mechanics (motion and the forces that cause it), Energy, Wave Phenomena (light and sound), Electricity and Magnetism, and Modern Physics (quantum theory and atomic structure). Laboratory work allows the student to take an active role in discovering the laws of physics in these areas. A final examination, the N.Y.S. Regents exam, is required.

Biology - Advanced Placement
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This is college freshman Biology for science majors. It is appropriate for outstanding students who are strong in science, especially chemistry, and math. The course involves extensive laboratory work, readings, and lectures. The student is required to take the College Board Advanced Placement examination in May. An AP exam fee (assistance available) is required. The AP exam serves as a basis for credit and/or exemption of up to 8 college credits in freshman Biology at many colleges nationwide. A local final exam is given in June.

Chemistry - Advanced Placement
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This course is designed to be the equivalent of a college level general chemistry course. It is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board: Atoms & Elements, Structure & Properties of Matter, Chemical Reactions, Kinetics, Thermodynamics, and Equilibrium. A special emphasis will be placed on science practices which capture important aspects of the work that scientists engage in as well as learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is open to all students with preference for those who have completed a year of chemistry who wish to take part in a rigorous and academically challenging course. The student is required to take the College Board Advanced Placement examination in May. An AP exam fee (assistance available) is required. The AP exam serves as a basis for credit and/or exemption of up to 8 college credits in freshman Chemistry at many colleges nationwide. A local final exam is given in June.

Environmental Science
1 credit

The goal of this course is to provide students with an understanding of the interrelationships in the environment and how humanity, as part of the environment, can protect and manage the world's resources. Major topics will include: Principles of Ecology, Management of Living Resources, Energy Sources and Uses, and Pollution. This course includes a variety of activities in the classroom, in the lab, and in the field. Successful completion of Living Environment and Earth Science are strong indicators of success in this course. A final examination in Environmental Science will be required.

Forensic Science
1 credit

The goal of this course is to provide students with an opportunity to study an exciting application of science and the world of forensic science. Case studies, laboratory exercises, computer simulations, research, and lecture will be used to introduce the students to the application of science to forensic study. The students of forensic investigation will explore the crime scene through hands-on activities using many of the same procedures used by the forensic professionals in the field and will be provided an opportunity to increase problem solving ability. Successful completion of Living Environment is a strong indicator of success in this course.

Physical Education and Health

All students will be required to take Physical Education each year of school, grades 7-12. In grades 9-12, students must earn ½ credit each year to graduate. Health 7 and ½ credit of High School Health are required for all students. Electives are also available in the area of health education. The health program is designed to give students an active and personal role in the learning process allowing them to become active partners in maintaining and improving their level of wellness. Students participate in activities which strengthen and enhance their ability to make healthy choices in all areas of their daily lives - physical, mental, emotional, and social.

Physical Education

7th - 8th Physical Education

Through participation in a physical education program, students will have the necessary knowledge and skills needed to establish and maintain physical fitness. The curriculum complies with the New York State standards, that a student's fitness level is increased by performing in physical activities three times a week for 40 minutes. The major emphasis is on introducing personal fitness and creating a positive social atmosphere so that students will enjoy participating in physical activities now, and as a lifelong pursuit.

High School Physical Education
½ credit

Through participation in a physical education program, students will have the necessary knowledge and skills needed to establish and maintain physical fitness. The curriculum complies with the New York State standards, that a student's fitness level is increased by performing in physical activities three times a week for 40 minutes. The major emphasis is on becoming competent in personal fitness activities and creating a positive social atmosphere so that students will continue to enjoy participating in physical activity now, and as a lifelong pursuit.

Nutrition & Fitness
Prerequisite: Completion of HS Health & 2 years of HS PE
½ credit

The objective of this class is to understand how nutrition and fitness impact each student's daily life. Students will assess their own health & wellness and find ways to improve or maintain their level of wellness. This class is primarily for students interested in goal setting and advocating for their own health and wellbeing. The first half of this class will be in the classroom, the 2nd half will be in the fitness center.

Weight Training
½ credit

Weight Training is an elective offered by the Physical Education Department. This course is designed for the student/athlete that wants to gain knowledge in the physical fitness field and improve their overall fitness level. Students will work throughout the school year to improve their overall physical fitness levels through different types of cardiovascular endurance and weight training. Each student will be asked to develop a year-long fitness program, which they will monitor and adjust as their strength and endurance improve.

Introduction to Yoga & Stress Management-
Prerequisite: Completion of HS Health & 2 years of HS PE
½ credit

This is a ½ credit course that will focus on complementary health approaches designed to help students recognize their stressors, find healthy ways to cope with stress & develop resiliency skills. Day A will be completed in the classroom & Day B will be in the fitness center or gymnasium performing a variety of mindfulness skills, with an emphasis on Yoga. The classroom part of the course will be spent on stress management. Students will learn stress management techniques like deep breathing, mindfulness, mental imagery, time management, journaling, progressive muscle relaxation as well as some self-care.

Health

Health 7

The seventh grade curriculum focuses on the following topics: wellness, physical activity, nutrition, drug education, and reproductive health (focusing on the reproductive systems and the physical, emotional, and social changes related to puberty). Seventh graders will also start learning and practicing the following skills: self-management, planning and goal setting, stress management, and accessing information.

High School Health
½ credit

The high school health curriculum combines health-related skills (self and relationship management, stress management, decision making, planning and goal setting, communication, accessing information, and advocacy) with the following content areas: physical activity and nutrition, reproductive health (including HIV/AIDS and other STD education and prevention), violence prevention and conflict resolution, and drug education. Students also learn hands-only CPR, how to use AEDs, and signs of cardiac arrest. This course is required for graduation.

Child Development
20 week course
Prerequisite: Successful Completion of HS Health
½ credit

This course is a study of child care and the principles of child growth/development, development of self-concepts and building of self-esteem, learning experiences for children, principles of guiding children, healthy and safe environments, and careers related to child care. It covers the full spectrum of early childhood education from birth through age eight.

Critical Issues in Health
Prerequisite: Successful Completion of HS Health
½ credit

This course is designed to develop a well-rounded, healthy student. It is a discussion/debate class that will allow the students to learn about some of the controversial and critical subjects facing our youth today. The objectives covered are: to provide the most current information on each critical issue covered, to enable students to make good decisions regarding their health and provide skills to maintain their decisions, to review the basic health issues, and secure in-depth knowledge of these issues, to integrate health careers correlating with the issues covered, and to become aware of the best preventive and rehabilitative resources available, both with-in school and the community.

Introduction to Anatomy & Physiology
Prerequisite: Successful Completion of HS Health
½ credit

This course provides an overview of the body systems with an emphasis on understanding the functions of each system. This would take the information students learn in physical education and health class and would provide a base of knowledge needed for this course. This course is perfect for students who are interested in a health science major in college or has an interest in the human body.

Fine Arts

All students will be required to complete coursework in the fine arts to meet junior high and NYS graduation requirements. Art 7, Art 8, and either chorus, band, or general music are required during grades 7-8. Students must complete one high school credit of fine arts to graduate. Courses that meet this requirement include Studio Art, Music in Our Lives, Music Theory, Chorus, and Band. The Fine Arts Department offers a number of electives and opportunities for students to extend their learning in the classroom and in performances, including participation in NYSSMA solo festivals, jazz ensemble, and chamber singers.

Art

Art 7

Art 7 is an introductory survey course in the studio arts. The course is designed to acquaint students with the scope of a basic art program. Students will learn basic drawing, painting, color theory, design, and sculpture in this course. It provides the student with a range of art experiences emphasizing visual perception. Students will be evaluated by class participation and completed artwork.

Art 8

Art 8 is an intermediate survey level course in the studio arts. The course is designed to further students' study with the scope of a basic art program. Students will continue to learn basic drawing, painting, color theory, design, and sculpture in this course. It provides the student with a range of art experiences emphasizing visual perception. Students will be evaluated by class participation and completed artwork.

Creative Crafts & Design
1 credit

Creative Crafts & Design is an introductory course offered to 9th graders. Students will gain an understanding of: the nature of art, the elements and principles of art, the history of art and design, how to critique artwork, and the function of decorative and functional arts and crafts. To do this, students will: generate, conceptualize, organize, develop, and refine artistic ideas and work; select, analyze, and interpret artistic work for presentation; apply criteria to evaluate their work and the work of others; communicate meaning through their work; employ strategies for group collaboration in the creation of work; utilize critical thinking and problem strategies in the production of art; and research art techniques and design processes. Some examples of projects that students may complete are: metal enameling & tooling, papermaking, fiber arts, model making/sculpture, clay building, jewelry making, and basket weaving. Students are graded on participation, completed works, and their ability to critique their work and the work of others.

Studio Art
1 credit

Studio Art is a comprehensive foundations course in secondary art. The course is designed to help students begin to master skills in drawing within the scope of an entire visual arts program. It provides the student with a range of art experiences emphasizing visual perception, development of art skills in creating art works, knowledge of materials and resources, responding to and analyzing works of art, understanding the cultural dimensions and contributions of art, and art history. The course covers all basic studio arts including drawing, painting, and color theory, design, sculpture, printmaking, and textile manipulation. The Studio Art course is a prerequisite for all art sequences. This course meets Regents arts requirements based on the New York State and National Learning Standards. Students are graded on participation and completed works.

Creative Crafts and Design
1 Credit

The objectives of Creative Crafts & Design will be to give the students an understanding of: the nature of art, the elements and principles of art, the history of art and design, how to critique artwork, and the function of decorative and functional arts and crafts. There will be a strong focus on spatial and 3-D projects that are inspired by cultural movements in history that produced, not only functional crafts, but also creative works of art. Some projects may include fiber arts, paper making, jewelry making, clay building, sculpture, weaving, and metal enameling and tooling. This course meets the NYS Graduation Requirement for Fine Arts.

Photography 1 & 2
½ credit each

Students will learn digital photography basics including: camera use, how to use Photoshop to edit, manipulate and print images, the importance of understanding light and the role it plays in photography, understanding the difference between an artistic photograph and a snapshot, and applying the principles of design to a photograph. Cameras are available for students to use in class and out of class on a sign-out basis. Students are graded on participation, completed works, and their ability to critique their work and the work of others. Class size is limited.

Computer Graphics 1 & 2
½ credit each

Students will be introduced to the field of graphic communication and 3D printing using powerful IBM computers and graphic design software programs, such as Adobe Photoshop, Adobe Animate, Adobe Illustrator, and 3D rendering programs. Students may print their 3D work using a 3D printer that is located in the Fine Arts lab. Students can explore the design, production, and sale of a product that they create for 3D printing, render illustrations, and create animations with the skills they will learn in this course. Course emphasis will be on effective visual communication based on a thorough understanding of the elements and principles of design. Computer Graphics 2 is for upper level art students who may be interested in a career in the arts and focus for this course is on building a graphic arts portfolio. Students are graded on participation, completed works, and their ability to critique their work and the work of others based upon the principles of design and techniques they have learned.

Advanced Drawing and Painting 1 & 2

1 credit each

Drawing and Painting is an art course that builds on the studio art experience. It expands knowledge and technique in the elements and principles of art. Drawing and painting as well as graphics and other art forms are explored. Working from the figure, still life, and landscape are integral to this process. The course emphasizes all the basic studio arts, but expects the student will take a more active role in mastering skills in drawing and painting. Students will work more independently and be expected to begin work on a Portfolio of art, for a possible career in the arts or to showcase their abilities. Students are graded on participation and completed works, as well as weekly drawing exercises.

Studio in Clay
Prerequisite: Studio Art or permission of instructor

½ credit

The skills learned in Studio in Clay will enhance basic skills learned in Studio Art and focus on ideas and content in 3-Dimensional art. Students will work in both functional and sculptural ceramics. Students will be encouraged to develop their own ideas through required course work, as well as complete works of an independent nature. This course is for students who excelled in 3-Dimensional spatial content of Studio Art.

Senior Survey in Art
Prerequisite: Studio Art and Advanced Drawing and Painting 1 & 2
1 credit

This course is designed for art students with an interest in developing a deeper understanding and use of art media and technique. Students evaluate their basic strengths and weaknesses with the teacher's assistance. Projects strengthen skills as students produce a portfolio of artwork with a concentration in one media. Students will also identify the role of art skills in preparing for a career in the art field. Students are graded on participation, completed works, and their ability to critique their own work and the work of others. All students must complete a Portfolio and Artist Statement to complete this course.

Music

General Music

This class explores American music in many ways. It makes musical connections to math, science, art, technology, and social studies. By listening, researching, creating, and performing students will discover that music is an important part of daily life. This course meets the 7th grade music requirement for those who choose not to be a part of a performing ensemble.

Junior High Chorus

This is a performance based class offered to students in grades 7 and 8. Class meets everyday or every other day opposite junior high band. Rehearsals are conducted to help students improve individual skills as well as experience the joys of performing many various musical styles. A small group lesson may be required once a week. Performances include evening concerts at the high school and the school musical. Extra opportunities include NYSSMA (New York State School Music Association) solo festival, All-County, and Area All-State Honor ensembles. This ensemble is a prerequisite for high school performing groups.

Junior High Band

Open to woodwind, brass, and percussion players in grades 7 and 8. Class meets everyday or every other day opposite junior high chorus. A small group lesson is required once a week. Performances include evening concerts at the high school, a biannual adjudicated festival in May, and the June concert on the lawn. Extra opportunities include NYSSMA (New York State School Music Association) competitions, All-County, and Area All-State Honor ensembles. This class is a prerequisite for high school performing groups.

Concert Choir
Prerequisite: Junior High Chorus

1 credit

Offered as a performance based class for students in grades 9 - 12, this group sings a well-rounded selection of music at a moderate-difficult level. Class meets everyday or every other day opposite Concert Band. A small group lesson is required once a week. Basic vocal techniques are emphasized so that students can continue as lifelong singers. Musicians are encouraged to take advantage of numerous outside opportunities to improve individual skills and contributions to the ensemble. Performances include evening concerts at the high school and the school musical. Extra opportunities include NYSSMA (New York State School Music Association) solo festival, All-County, and Area All-State Honor ensembles.

Concert Band
Prerequisite: Junior High Band
1 credit

Open to woodwind, brass, and percussion players in grades 9 – 12. Class meets everyday or every other day opposite Concert Choir. A small group lesson is required once a week. Performances include evening concerts at the high school, a Memorial Day parade, and high school graduation. Extra opportunities include Jazz Ensemble (by audition), NYSSMA (New York State School Music Association) competitions, All-County, Area All-State, and Conference All-State ensembles.

Introduction to Music History
1 credit

This course serves as an introductory survey to the history of Western music, starting with Gregorian chant and working its way up to present-day popular styles. Music from non-Western cultures will be briefly touched upon as their influence applies to the development of Western music. Major time periods covered will be the Renaissance, Baroque, Classical, Romantic, and Twentieth-Century. Popular genres covered will be jazz, country, rock, rap, and electronic music. Student work will be focused on developing critical learning skills through guided listening, using descriptive language when writing, making cross-curricular ties with social studies, art, and literature (where appropriate), and developing a broader understanding of what makes quality music.

AP Music Theory
1 credit, Advanced Placement credit available by examination (fee required with assistance available)

This course is for the college bound and self motivated student. Students are engaged in an in-depth study where they will learn to recognize, understand, and describe the basic materials and processes of music. Emphasis is given to developing skills by listening to, reading, writing, and performing a wide variety of music. The course is reading and writing intensive. Grades are not on a curve, although the course is given extra weight for the purposes of class ranking. The student is required to take the College Board Advanced Placement examination in May. A fee (assistance available) is charged to take the exam.

World Languages

All 7th graders are enrolled in a 10 week language exploration program. All students are required to complete two units of study in a single World Language by the end of 9th grade. Students may earn one credit at the end of this two year course, Level A and Level 1. To meet NYS graduation requirements, students must earn one credit of a World Language. To meet Regents Diploma with Advanced Designation requirements, students will need to complete 3 credits in a single language and pass the comprehensive exam. Students continuing with language in Level 4 may earn college credits through Onondaga Community College.

LOTE

This 7th Grade Language Exploratory Program 10 week course offers students a brief introduction to the Spanish and French languages and their respective cultures. Students will practice very basic communication skills through age appropriate activities.

Spanish A/French A

The emphasis of this course is vocabulary acquisition, repetition, and practice. Simple reading and writing tasks, along with listening and speaking, are practiced daily. In addition, students begin to build their knowledge and understanding of the target cultures.

Spanish 1/French 1
Prerequisite: Spanish A/French A
1 credit

This is a continuing course in the study of French/Spanish language and culture. Vocabulary acquisition remains the emphasis while mastery of beginning grammatical structures is stressed. Reading, writing, listening, and speaking practice becomes more complex. The local exam will assess the successful completion of Checkpoint A and the student can earn the language credit required for high school graduation.

Spanish 2/French 2
Prerequisite: Spanish A & 1/French A & 1
1 credit

Mastery of vocabulary and more complex grammatical structures is continued. Reading, writing, listening, and speaking skills continue to be developed. Cultural topics are integrated in accordance with the curriculum. Students work towards Checkpoint B proficiency. This course provides a necessary foundation for progression to Level III.

Spanish 3/French 3
Prerequisite: Spanish 2/French 2
1 credit

Previous work with grammar and grammatical structures are reviewed and more advanced concepts are introduced. Reading, writing, listening, and speaking skills are refined and emphasized. This course continues to expand the students' understanding of cultural similarities and differences. A local comprehensive examination which assesses student proficiency in Checkpoint B is administered. Successful completion of the course and the examination provides credit towards high school graduation with Advanced Designation.

OCC SPA-201 Intermediate SpanishI/OCC FRE-201 Intermediate French I
Prerequisite: Spanish 3/French 3
1 credit, with the opportunity to earn up to 3 college credits

This course draws on previously acquired knowledge while introducing students to more complex grammar and vocabulary. A variety of projects are completed throughout the year to integrate the study of language and culture. The class is conducted in the target language emphasizing communication skills and allows students to learn to creatively manipulate the target language. Students will have the opportunity to earn college credit upon successful completion of this course.

Career and Technical Education

All students are required to take classes in the area of Career and Technical Education in junior high. In 7th grade students take 20 weeks of both Technology and Consumer Agriculture. In 8th grade students take 20 weeks of Technology and 10 weeks of Consumer Agriculture. Design and Drawing for Production 1 and 2 meet the Fine Arts requirement for graduation. Students are also welcome to take high school electives in the area of technology and agriculture in high school. Some of the technology courses award college credit though TC3 and some agriculture courses have articulation agreements with SUNY Cobleskill and SUNY Morrisville. Students enrolled in Animal Science or Horticulture may meet a science requirement.

All agricultural education instruction is delivered through three major components: Classroom/Laboratory instruction (contextual learning), Supervised Agricultural Experience programs (work-based learning), and student leadership organizations (National FFA Organization).

7th Grade – Consumer Agriculture
20 week course

This course introduces students to the agriculture industry and shows students ways the industry provides the basic needs of food, clothing, and shelter for humans. Students are introduced to leadership skills and the role of the FFA in developing active citizens in the agriculture industry. Students explore the wide variety of career options in agriculture and identify the knowledge, skills, education, and training necessary for success within these fields.

8th Grade – Consumer Agriculture
10 week course

This course is designed to expand upon concepts and skills students learn during their 7th grade year. Upon completion of this unit, students will be able to analyze different aspects of the agricultural industry and how it affects their daily lives. Students explore basic principles of agribusiness, agricultural mechanics, animal science, natural resources, and horticulture.

7th Grade – Introduction to Technology
20 week course

This course offers students the opportunity to explore the world of technology. Technology in our society is studied through: the history of technology development, specific materials, machines and inventions developed over time, and technology systems, structures, and occupations. Students will learn safety and use hand and power tools to manipulate raw materials into several useful products.

8th Grade - Introduction to Technology
20 week course

This course expands on the exploration of inventions and inventors and how their work changed our lives. Students will safely use tools and machines in project construction. The world of industry, transportation, communications, and manufacturing is included while students learn how products are mass produced for the consumer market. The class will simulate a manufacturing company: students will apply for jobs, design, produce and sell products, and try to learn how to make a profit.

Career and Financial Management
½ credit

This course encompasses five topics: Business Systems and Economics, Career Planning, The Career Selection Process, Career Success, and Financial Literacy. Students will have the opportunity to explore various careers and learn how to become a successful employee. In addition, the student will learn general financial principles combined with practical applications to develop personal financial knowledge.

Intro to Agriculture, Food, and Natural Resources
1 credit

Introduction to Agriculture, Food, and Natural Resources (AFNR) introduces students to agricultural opportunities and the pathways of study in agriculture. Throughout the course are activities to develop and improve employability skills of students through practical applications. Students explore career and post-secondary opportunities in each area of the course. Students participating in the Introduction to Agriculture, Food, and Natural Resources course experience hands-on activities, projects, and problems. Student experiences involve the study of communication, the science of agriculture, plants, animals, and natural resources, and agricultural mechanics. The course is structured to enable all students to experience an overview of the fields of agricultural science and natural resources so that students may continue through a sequence of courses throughout high school.

Animal Science**
1 credit

In the Animal Science course, students study the importance of large, small, and specialty animals. Primary focus is given to dairy cattle, horses, swine, beef cattle, sheep, goats, and poultry. Students explore the necessary elements - such as diet, genetics, habitat, and behavior - to create humane, ecologically, and economically sustainable animal production systems. Information is applied to the management of animals in livestock industries to include: domestication, anatomy, reproduction (breeding), behavior, classification, evaluation, and restraint of animals, nutrition, parasites, and animal ethics. Students will also explore a wide range of careers in the animal science industry. This course may satisfy the requirement for a 3rd credit of science for high school graduation.

Horticulture **
1 credit

The Horticulture course combines basic plant science principles with technical horticultural practices. Students will learn about plant anatomy and physiology, plant growth and development, soil science, sexual and asexual propagation, and floral and landscape design. The incorporation of fundraisers into this course allows students to gain management and marketing skills. Students will leave this course prepared for careers in the nursery, landscaping, and floral industries. This course may satisfy the requirement for a 3rd credit of science for high school graduation.

Agricultural Mechanics**

1 credit

In this course, students will work with small engines, wood, metal, and electricity. Safety and productivity with different tools to solve problems or situations will be learned. Students will plan and implement many different projects. This course provides opportunity for students to learn basic practical skills needed throughout their lives, whether they become a homeowner or professional mechanic. Students will have the opportunity to design independent projects. Some student cost for project material may be required based upon the projects selected.

Veterinary Technology
10th-12th grade
1 credit

This course is an introduction to veterinary science that is designed to prepare students for postsecondary education and/or a career in the field of veterinary medicine. Information is applied to the management of animals and will include safety and sanitation, anatomy and physiology, clinical exams, hospital procedures, parasitology, animal nutrition, animal management, impacts of society on the animal industry, careers in veterinary science, and leadership development. This course is designed to be rigorous and relies heavily on research-based methods while hands-on applications of vet procedures are incorporated.

Food Science
½ credit course

Food Science is designed to reinforce and enhance the student's knowledge of scientific principles and processes through the study of foods and nutrition. An in-depth understanding of science as it applies to foods will assist students with an interest in career and technical education, helping them to understand the food industry as well as food preparation in their daily lives. Whenever possible, students will be involved in hands-on laboratory activities which verify the scientific concepts presented.

Equine Science
½ credit course

In this class, students will learn advanced animal science specifically relating to the horse. The course will introduce students to the scientific principles of breeding and husbandry of horses, including the production, care, and management of horses. Students will be introduced to classification of breeds of horses, as well as nutrition, reproduction, and disease prevention and management.

Greenhouse/Floral Management Independent Study
Prerequisite: Horticulture
1 credit

Greenhouse Management is intended to provide the latest information on efficient operating and management of a commercial greenhouse business outside the sphere of specific crop production methods. Students expand their horticultural knowledge and apply plant propagation practices to develop an understanding of greenhouse management and the manipulation of plants for human purposes. As a part of this independent study, students are responsible for the management of the Spring Plant Sale and Floral Shop. This course is only offered the same period as Horticulture.

Agricultural Power Independent Study
Prerequisite: Agricultural Mechanics
1 credit

To be prepared for careers in agricultural power, structural systems, and technical systems, students should attain academic skills and knowledge, acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students should have opportunities to learn, reinforce, apply, and transfer their knowledge and technical skills in a variety of settings. This course is designed to develop an understanding of power and control systems as related to energy sources, small and large power systems, and agricultural machinery. This course is only offered the same period as Agricultural Mechanics.

Ag Communications Independent Study
1 credit

This course is intended to give students an insight into the needs of the agricultural industry. Students will learn about agricultural issues that affect them locally and nationally, and how they can make a difference. The course will focus on individual forms of communication and utilizing it for the betterment of a group. Students will learn about all types of agricultural communications such as event planning, debate, marketing, salesmanship, etc. Promotion of local and state agriculture and FFA will be a major portion of this course.

Agricultural Education Independent Study
Prerequisite: Must have taken the course you intend to TA.
1 credit

This course will provide future agricultural leaders with a comprehensive overview and investigation into the opportunities available in the field of agricultural education. Formal and informal education will be investigated. Particular focus will surround teaching and communicating effectively in formal and informal settings and leadership theories as they integrate into the classroom. As a part of this independent study course, students will be asked to serve as a Teaching Assistant (TA) for an agriculture course they have previously taken.

Agricultural Business/Leadership
12th grade
½ credit

In 1988, the State Education Department established a policy enabling students to use a program of selected activities in an occupational education student leadership development organization to fulfill the ½-unit requirement for Social Studies IV: Participation in Government. This guide outlines the procedures by which credit is granted. To make use of this option, a student must: (1) Be a member of one of the FFA, (2) Plan a program of activities with the assistance and approval of the chapter advisor, (3) Perform the duties and responsibilities of the office for which they are elected, (4) Serve on at least one standing committee, (5) Perform a minimum of 15 hours of community service, and (6) Prepare a Student Plan (which includes activities in Leadership, Political Process, and Community Service), document progress throughout the student plan, and evaluate it upon its conclusion (prior to course completion). The Student Plan must be prepared jointly by the student and the chapter adviser.

****Articulation Agreements with SUNY Cobleskill and SUNY Morrisville**
Tully High School Students who graduate from Tully High School, meet the admission requirements for the Cobleskill major, receive a recommendation from an agriculture instructor, and successfully complete (85% or better) Tully agriculture courses with a SUNY Cobleskill Articulation Agreement, will receive SUNY Cobleskill guaranteed admissions to the related major and advanced standing college credit.

Communications 1 & 2
½ credit per semester

The Communications Courses focus on the study of radio, television, movie production, animation, and the communications industry. Students learn how to be a DJ and broadcast over WTBK radio (90.7 FM), film, create and edit mini movies, animations, commercials, and produce a weekly television show (Tully Highlights News shown at 11:00 a.m. on Saturdays on local Time Warner Cable Channel 98), and become the media crew for school productions (film events and setting up technology for school announcements).

In Communications 2, students expand information learned in Communications 1. Students will use advanced software to: create animation projects using 3-D Studio and Flash, produce community TV and radio shows, and produce film and music videos on many different topics. Computers, digital video equipment, and electronic mixing equipment are used to capture and edit media.

Design and Drawing for Production (DDP) 1 & 2
½ credit per semester

The Design Drawing for Production (DDP) courses begin with learning technical drawing skills and drawing types. Students will draw many objects, such as tool and machine parts, and design ways to put them together for useful products and production. In DDP 2, students learn architectural drawing and models. Students design, draw, and build models of dream homes and learn aspects of architectural drawing including: site planning, foundation construction, floor plan layout, section views, elevations, and pictorial illustrations. (Fine Arts credit and Tech Prep college credit (fee required) may be available through these courses.)

Computer Aided Drawing (CAD) 1 & 2
½ credit per semester

The CAD 1 class introduces students to AutoCAD and the computer as an engineering tool. Students will use commands to draw basic 2-Dimensional (2D) geometric shapes and machine parts, design simple systems, show dimension, and apply textures to surfaces. Students will save drawings to a folder and begin to develop a portfolio of their engineering work. In CAD 2, students will use 3D drawing and design. Students will create drawings in the X, Y, & Z axes and create slides to animate their drawings into virtual tours and motion clips. New and advanced commands will be introduced and students will become skilled in the use of AutoCAD.

Architectural CAD
½ credit

This course is designed for students who gain proficiency in AutoCAD and will use Architectural CAD to create house plans. Students will design and draw plans needed for dream homes and create several virtual tours of the house designs. Students will also work on designing structures and/or spaces for public areas of society.

Woodworking
½ credit

Students will experience many aspects of working with wood and the industry, tools, and machines that are used to transform it into useful products. This is a hands-on course where students are required to create hardwood and softwood products (e.g: a chess set, an Adirondack chair, a jewelry box, several lathe turnings, and a cedar stripper kayak). Students will learn about producing, machining, joining, and finishing wood and wood products.

Pre- Engineering
½ credit

Students will learn engineering and how to solve problems by manipulating systems and materials and invent solutions. Students learn technical material principles, properties, and qualities, and apply these to design and develop solutions. Included are: hydraulic-robotic arm design, self powered interactive roller coaster models, and electronic, architectural, and civil engineering projects.

Construction
½ credit

This course will focus on the building trades. Students will work on hands-on building projects including: structures, electrical wiring, sheetrock, floor and wall ceramic tile, and learn about the systems, tools and materials associated with building construction. Students will produce playhouses, storage sheds, picnic tables, three way light circuits, and other construction projects.

Electricity/Electronics
½ credit

Students will learn about electricity; what it is, how it's made, and how it is used in the thousands of devices in our lives today. Students will conduct experiments and build electronic devices including: a telegraph, simple motors and circuits, strobe and light display devices, circuit boards, and digital counting circuits. Students will also learn about electronic components such as diodes, transistors, resistors and integrated circuits and how they can be used to build electronic devices.

Materials Processing
½ credit

Using wood, plastic, metal, and ceramics, students will create several different projects to include custom gear shift knobs, ceramic mug castings, a wooden kaleidoscope, and a small air powered motor using the metal lathe and milling machine. This class is a general shop class that uses a variety of materials and machines to build things.

Workforce Preparation Program
BOCES McEvoy Center

Auto Collision Technology **OCM BOCES McEvoy Center**
3 credits per year

Automotive Collision Technology is a two-year program in which students learn the essential skills needed to begin a career in the auto body and collision industry. As specialists in the automotive industry, Automotive Collision Tech students gain real-world and hands-on experience working in an industry-standard collision lab setting. Students will learn the fundamentals of vehicle refinishing, metal work, unitized body and frame alignment, painting and finishing, welding, plastics repair, body repair/replacement, cost estimation and customer service skills. Students are provided with internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing an industry standard technical assessment.

Auto Technology- NATEF **OCM BOCES McEvoy Center**
3 credits per year

Automotive Technology is a two-year program designed to provide students with basic mechanical knowledge and skills. As an Automotive Service Excellence (ASE) program certified by the National Automotive Technicians Education Foundation (NATEF), students gain knowledge and skills through a combination of theoretical study and hands-on lab work, including the repair of customer vehicles in brake systems, engine performance diagnosis, suspension and steering, electronic control systems, and on-board computerized engine control systems diagnosis on automobiles and light trucks. This program, which is state and nationally certified, is the first step in preparing an

individual for a career in the technical repair field. Over the course of the program, students are provided with internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing the industry-standard ASE NATEF technical assessment.

Computer Technology **OCM BOCES McEvoy Center**
3 credits per year

The Computer Technology program is designed to prepare students for the ever-changing world of computer and information technology. Through a combination of theory and hands-on lab work, this two-year, Cisco-certified program provides students with the essentials of computer repair and support in the first year, before transitioning to the fundamentals of networking in year two. As the first step in the computer technology career path, students are afforded the opportunity to earn the industry recognized Cisco Career Certification, which also serves as a gateway to the industry-recognized CCNA Certification. Moreover, the CompTIA A+ Certification is yet another key offering that helps fulfill a comprehensive program for students who are preparing for entry level work or have post-secondary aspirations. Prior to completion, students are also provided with internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma, which they can achieve by successfully passing the industry standard technical assessments.

Construction Technology **OCM BOCES McEvoy Center**
3 credits per year

The two-year Construction Technology program teaches students the essential skills needed to begin a career in the building and construction trades. Through the construction of a new house, students will gain real-world knowledge and hands-on experience in the fundamental components of carpentry, drywall, painting, framing, roofing, floor installation, door and window installation, blueprint reading, siding, electrical wiring, plumbing, proper tool use, and OSHA safety training. Students will develop and demonstrate integrated academics and employability skills through class activities, projects, live clinic, community service and professional development. Students are also provided with the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment.

Cosmetology **OCM BOCES McEvoy Center**
3 credits per year

Cosmetology is a two-year program that instructs students in the theory and practical skills necessary to prepare them for a career in the cosmetology field and/or post-secondary education. Students are provided with hands-on training and experience to pursue employment opportunities in such roles as cosmetologists, nail technicians, estheticians, hair stylists, salon managers and small business owners. As part of the required 1,000 hours of instruction over a two-year period, students are provided with clinical experiences in addition to the opportunity to apply for their New York State Cosmetology License and earn a Career and Technical Endorsement on their diploma by successfully passing a technical assessment.

Culinary & Pastry Arts **OCM BOCES McEvoy Center**
3 credits per year

Culinary and Pastry Arts is a hands-on food preparation program that provides students with broad exposure to the science of cooking and the art of pastry design. Through an academic partnership with the National Restaurant Association, students will develop their culinary and pastry skills learning the ProStart curriculum in food production, dining etiquette, customer service, food safety and sanitation. As part of the required 1,000 hours of instruction over a two-year period, students are provided with internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing the industry-standard ProStart exams and NOCTI performance assessment.

Early Childhood Education **OCM BOCES McEvoy Center**
3 credits per year, TC3 college credit available

The Early Childhood Education program is offered to students who want to pursue a career working with young children. Students learn about the characteristics, needs and behaviors of three- and four year olds and study best practices on how to guide and teach them in a nursery school setting. Each high school student in the program is provided the opportunity to participate in all phases of operating the preschool. Students are responsible for the planning, preparation and presentation of activities for young children functioning as student teachers under the supervision of a certified teacher. Students are provided with embedded internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment.

Graphic Communications **OCM BOCES McEvoy Center**
3 credits per year

Graphic Communications is a two-year, project-based program for students who want to develop 21st century career and communication skills in graphic design and artistry. Macintosh computers and Adobe software are featured, as are projects in the form of multimedia advertisements, logo design, business cards, computer illustrations, digital imaging, multimedia and web design. Field visitations to advertising agencies, printing companies and colleges are embedded into the program. Dual credit courses are an integral component of the program and are offered through Tompkins Cortland Community College, where students may earn up to six college credits in Art and Communications. Prior to completion, students are also provided with internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment.

Health Occupations Technology **OCM BOCES McEvoy Center**
3 credits per year, TC3 college credit available

Health Occupations is a two-year program offering theory and practical experience for students interested in the medical and health care professions. Students are introduced to multiple facets of long-term care, basic nursing procedures, patient rights, ethical practices, medical terminology, and body systems. Students will have the opportunity to earn a NYS license as a Certified Nursing Assistant and CPR & First Aid certification. This training includes a minimum of 108 hours in a long-term care clinical setting. Students are provided with embedded internship experiences and the opportunity to earn a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment

Physical Therapy Professions **OCM BOCES McEvoy Center**
3 credits per year, TC3 college credit available

Physical Therapy Professions is a two-year program is designed for highly motivated students who are interested in gaining a postsecondary edge in pursuing a career in rehabilitative field. Located at Fadden & Associates Physical Therapy, students will study the fundamentals of therapy, including the elements of movement and anatomy and physiology. As a post-secondary partner, Tompkins Cortland Community College provides onsite dual credit courses, allowing students to begin building their college transcript. Another important component of the program is providing students with opportunities to shadow healthcare professionals in the field. Students are also able to earn a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment.

Welding Technology **OCM BOCES McEvoy Center**
3 credits per year

Skilled welding technicians have multiple employment options and are a vital link in the manufacturing, construction and facilities maintenance industry. As a two-year program, Welding Technology provides students the skills of arc welding, resistance welding, brazing and soldering, as well as cutting, heat-treating and metallurgy. Students gain knowledge of electrical systems, power sources and different welding technologies, welding systems,

print interpretation and measurement, as well as the use and interpretation of visual symbols related to welding. This course will give the student knowledge and technical skills that will prepare them for positions as an entry-level welder or advanced placement in post-secondary education. Work-based learning sites are developed in the second year to allow the opportunity to intern at many local businesses. Students are provided with internship experiences, the opportunity to earn industry-recognized AWS certifications and a Career and Technical Endorsement on their diploma by successfully passing an industry-standard technical assessment.

New Vision Criminal Justice **Onondaga County Sheriff's Department**
5 credits, OCC college credit available

New Vision Criminal Justice is a one-year program offered to high school seniors. Located at the Onondaga County Sheriff's Department, students study the components of law enforcement, the judiciary and correction systems, causes and prevention of crime and current topics of interest including community relations, gun control, drug enforcement, cybercrime and capital punishment. Class visitations by community and career professionals will occur in addition to internship and job shadowing opportunities. Community service projects and real-world exposure to the criminal justice system is an integral component of this career building program. Students will also fulfill their English 12, participation in government, and economics requirements toward graduation. An annual Washington, D.C., trip includes visits to the Police Memorial, the Smithsonian Institute, Congress and Capitol Hill, and the Bureau of Engraving & Printing. Eligibility requirements: Interested students must be in their senior year of high school, in good academic standing and on target with all graduation requirements. Eligible candidates should exhibit self motivation, enthusiasm and maturity, and must be willing to work both independently and as a team member in diverse settings.

New Vision Environmental Careers **OCM BOCES- Tunison Laboratory of Aquatic Science**
5 credits, TC3 college credit available

New Vision Environmental Science is a one-year program offered to highly motivated high school seniors. Located at Lime Hollow Nature Center, students will explore environmental issues in a real-world setting on nearly 430 acres consisting of forests, fields, streams, bogs, ponds, flora and fauna with access to numerous trails. As the classroom moves from outdoors to inside, students will learn in a state-of-the-art environmental education center as they conduct research and study environmental topics in depth. Topics include forestry, fish, wildlife, maple production, environmental issues, soil, water, land use and outdoor recreation. Students interact with professionals in the field and use time in the classroom to analyze current trends in careers. Class visitations by professionals in the field, community service projects and field trips are integral components of the program. Students will also fulfill their English 12, Participation in Government, and Economics requirements toward graduation.

New Visions Medical Professions **OCM BOCES Cortland Memorial Hospital**
4 credits, TC3 college credit available

New Vision Medical Professions is a one-year program offered to highly motivated high school seniors. As a healthcare field immersion program, students will explore related career pathways as they participate in scheduled rotations at Cortland Regional Medical Center. Students will experience firsthand the medical profession working with physicians, nurses and other health professionals. Through a combination of research and hands-on projects, students will learn about medical ethics, patient rights, human anatomy and physiology, governmental regulations, and health careers. Another integral component of the program is the dual credit course in English 101 through Tompkins Cortland Community College, in addition to CPR certification. Students will also fulfill their English 12, Participation in Government, and Economics requirements toward graduation. Eligibility requirements: Interested students must be in their senior year of high school, in good academic standing and on target with all graduation requirements. Eligible candidates should exhibit self motivation, enthusiasm and maturity, and must be willing to work both independently and as a team member in diverse settings.