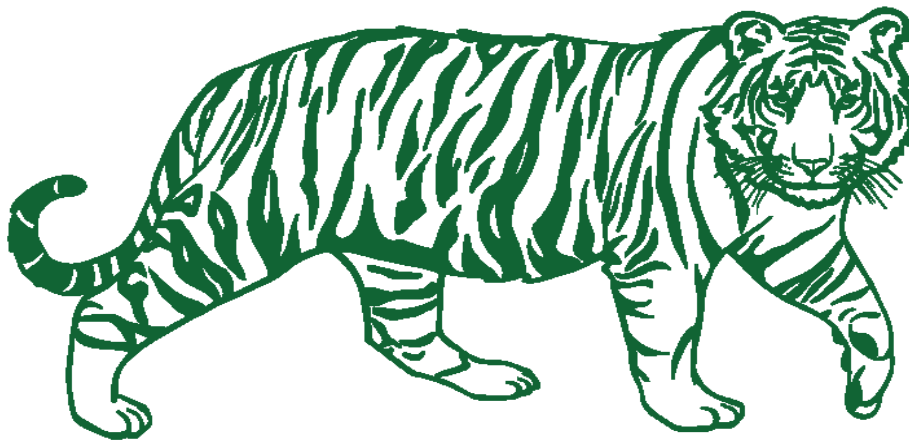


*Onondaga Central  
Junior-Senior High School*

*Course Catalog  
2022-2023*



*Educational Program  
Planning Guide*

*“We get you ready for life.”*

# ONONDAGA JUNIOR-SENIOR HIGH SCHOOL

**Timothy Mumford**  
Principal

**Sara Zieniuk**  
Guidance Counselor, Grades 7, 8 & 9

**Christopher Ciereck**  
Guidance Counselor, Grades 10, 11 & 12

Dear Students and Parents,

Welcome to the 2022-2023 edition of Onondaga Central's Junior-Senior High School Course Catalog. We encourage you to use this information as a "Roadmap to Success" for a challenging, fulfilling, and worthwhile academic experience while at OCS High School. Within this publication, you will find important information on such topics as:

- A profile of our district and high school
- Graduation requirements established by the Onondaga Central Board of Education and the New York State Education Department
- Advanced Placement and college level course opportunities
- Academic support services
- Interscholastic and co-curricular opportunities
- Course descriptions, prerequisites, expenses and units of credit
- BOCES Occupational Education and New Visions Programs

Onondaga Central School provides its students with both a Regents Diploma with Advanced Designation and a Regents Diploma program. We also encourage students to take advantage of a number of college course offerings beyond the Regents level. Please note that a challenging academic program may at times be very demanding, yet rewarding. In addition, all full-time students are required to be enrolled in a minimum of six academic classes plus physical education each semester. We, as parents and educators, must do all we can to enable and assist our students in their academic pursuits.

In closing, we wish you a successful and enriching learning experience at Onondaga Junior-Senior High School!

Sincerely,



Timothy Mumford  
Principal

# **COURSE CATALOG 2022-2023**

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# **Onondaga Central School**

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**Nedrow, NY 13120**

**CEEB Code – 333285**

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**Superintendent of Schools**

**Robin L. Price**

**High School Principal**

**Timothy Mumford**

**Director of Guidance**

**Christopher Ciereck**

## **Accreditation**

**New York State Department of Education**

## **Community**

**The Onondaga Central School District is a seventy-five square mile district which serves the town of Onondaga and surrounding communities. It lies just south of the City of Syracuse in Onondaga County. The population of the school district is approximately 5,250 with a student population of 877.**

## **Onondaga High School**

**Onondaga is a public, comprehensive high school requiring 21.5 units of credit plus four years of physical education for graduation. The staff consists of 45 teachers, counselors, and administrators with the majority holding a Master's degree or higher.**

**Enrollment for the 2021-2022 academic year:**

**Grade 12 --- 58**

**Grade 11 --- 60**

**Grade 10 --- 53**

**Grade 9 ---- 65**

## **Curriculum**

**Onondaga High School offers 80 different courses in English, social studies, mathematics, science, foreign language, business, art, technology education, music, health, physical education and vocational education. Additional vocational training opportunities are available to students through the Onondaga-Cortland-Madison Board of Cooperative Educational Services (BOCES). A grade of 70 is required to constitute a passing grade. Rank and average are computed at the conclusion of seven semesters. Advanced Placement courses are weighted 1.06. College Courses, Foreign Language Levels IV, V and Advanced Foreign Language Courses, and Honors Courses are weighted 1.03.**

## **Special Programs**

Onondaga offers Advanced Placement courses in Psychology, World History, United States History, and United States Government and Politics. Eight college courses are offered through Onondaga Community College – College English 103, College English 104, Pre-Calculus, Calculus, College Physics I, College Physics II, Computer Aided Design, and Modern American History. Five courses are offered through Tompkins Cortland Community College –College Algebra, College Chemistry I, College Chemistry II, College Biology I, and College Biology II. Global Environment is offered through SUNY ESF. Beginning in the 2019-2020 school year, German IV and German V will earn credit via SUNY Oswego. Beginning in the 2021-2022 school year, College Creative Writing will be offered through Onondaga Community College.

### **Statistical Profile – Class of 2021**

June graduates – 71  
New York State Regents Diplomas – 71 (100%)  
New York State Regents Diploma with Honors – 2  
Regents with Advanced Designation – 24 (34%)  
Regents with Advanced Designation with Honors - 11 (15%)  
National Honor Society – 25 (35%)

### **Post-Secondary Placement**

Four Year Colleges or Universities – 36 (51%)  
Two-Year Colleges – 27 (38%)  
Employment – 8

### **College Admissions Testing**

Scholastic Aptitude Test  
Evidence Based Reading & Writing – 563  
Math – 583  
Number Tested – 7

# GRADUATION REQUIREMENTS

In order to graduate from high school, a student must meet all the requirements set forth by New York State, including passing of all Regents Examinations or Competency Tests, and requirements of the Onondaga Central School District. Students must earn a minimum of 23.5 units (21.5 and 2 PE credits) of credit including physical education.

## ***New York State Requirements***

(Minimum passing score of 65% is required on New York State Regents Examinations;  
Minimum passing score of 70% is required by OCS for all classes)

	<b>REGENTS DIPLOMA (*HONORS)</b>		<b>REGENTS W/ADVANCED DESIGNATION (*HONORS)</b>	
<b>Subject</b>	<b>Examination Requirements</b>	<b>Credit</b>	<b>Examination Requirements</b>	<b>Credit</b>
English	ELA	4	ELA	4
Social Studies	Global History U.S. History	4	Global History U.S. History	4
Mathematics	1 Mathematic: <ul style="list-style-type: none"> <li>Integrated Algebra</li> <li>Geometry</li> <li>Algebra II</li> </ul>	3	3 Mathematics: <ul style="list-style-type: none"> <li>Integrated Algebra</li> <li>Geometry</li> <li>Algebra II</li> </ul>	3
Science	1 Science: <ul style="list-style-type: none"> <li>Living Environment</li> <li>Physical Setting</li> </ul>	3	2 Sciences: <ul style="list-style-type: none"> <li>Living Environment</li> <li>Physical Setting</li> </ul>	3
Art or Music		1		1
Health		0.5		0.5
LOTE (Language Other Than English)		1	Level III, Local Examination	3**
Physical Education		2		2
Electives		5		3
<b>TOTAL CREDITS REQUIRED</b>		<b>23.5</b>		<b>23.5</b>

\* Honors Diplomas: The words “with Honors” may be added to the endorsement of a Regents Diploma with Advanced Designation or to a Regents Diploma if a student has earned an accumulative average of at least 90% on the examinations indicated.

\*\* Under certain circumstances, students may substitute five credits in Occupational Education, Art or Music classes to waive the LOTE sequence requirement. While a minimum of one LOTE credit is required to graduate, continuing with a Language other than English is strongly recommended for college bound students.

Note: In individual cases, an academic diploma may be available.

**Physical Education Requirement:** All students must earn 0.5 credits in physical education during each year of high school for a total of 2 credits. This course is a New York State requirement and must be completed for graduation from Onondaga Junior-Senior High School.

***Fine Art Requirement:*** New York State requires that all students complete one Fine Arts credit for graduation. Students may select this credit from the following courses: Studio in Art, Design and Drawing Production or Music Performance courses.

*Seniors who have not met all requirements for graduation may not participate in the June ceremony.  
August and January graduates are invited to attend commencement the following June.*

# INTRODUCTION

The **Course Catalog** is designed to provide OCS students and their parents with information to assist them in educational program planning. The brief course descriptions include: requirements, length of course, potential credits awarded and type of final examination given.

The high school program should reflect a student's **short and long-term goals**. Parents and students should read the course descriptions carefully. Students should discuss their interests and aptitudes with their parents, teachers and school counselors before making course selections. Also to be considered is the degree of difficulty of individual courses along with the student's overall course load. At the same time, **all full time** students, with the exception of graduating seniors, at Onondaga Junior-Senior High School must be enrolled in a **minimum of 6 academic classes plus physical education each semester**.

As students and parents move through the planning process, they should be sure students' programs contain courses that meet the New York State and Onondaga Central School graduation requirements, are challenging and assist students in attaining personal goals. The program should be well-balanced and contain courses from a variety of subject areas. Selecting elective courses gives students an opportunity to explore possible career options and develop interests that lead to lifetime hobbies or activities.

## Graduation Plan

The graduation plan is a map which leads to the short and long-term academic/career goals identified by the student and parent.

1) During the 8th grade planning conference, the student and guidance counselor identify the ninth grade courses needed for graduation and preparation for further study. **Parents are invited and encouraged to attend this conference.** Recommendations for courses are based on the student's profile, teachers' recommendations, previous academic records, interest, and current achievement. During this meeting, a four year plan is also developed.

The graduation plan provides both the student and the parent a guide to future academic course selections.

## Course Levels

**Regents Courses** are offered in English, Social Studies, Mathematics, and Science. The Board of Regents of New York State establishes the course content and evaluates student progress through administration of Regents Examinations. All students are expected to pass the required Regents Examinations for a Regents Diploma with Advanced Designation or for a standard Regents Diploma.



In addition to college-level courses, Onondaga Junior-Senior High School provides honors level courses in some areas (see Course Descriptions for details). The level at which a student studies is determined primarily by prior academic performance, ability and teacher recommendation. These levels include the following:

- **Honors** is a rigorous academic program that explores Regents course content in greater depth. Placement in these classes is made after consultation with student, parent, counselor and teacher.
- **Regents** is the traditional academic program required by the New York State Education Department for graduation.

**Advanced Placement Courses (AP)** are offered to students who are academically motivated and capable of working independently. Depending upon the Advanced Placement Examination grade, students may earn college credit. Advanced Placement courses are college courses. The amount of work required for successful completion is equivalent to taking the course at a college or university. The amount of credit earned is determined by the student's college. See department listings for course descriptions. **Students enrolled in Advanced Placement courses are REQUIRED to take the appropriate Advanced Placement examinations in May if the course is required for graduation.** These tests are administered by the College Entrance Examination Board, Princeton, New Jersey. There is a cost to register for these examinations; please see instructor or Guidance Counselor for information.

**Onondaga Community College (OCC)** courses are taught by OCS high school teachers who are also adjunct instructors from the Onondaga Community College departments. Instructional materials and testing are similar to on-campus course offerings. *Currently there are no fees charged for OCC courses.* See department listings for course offerings.

**State University of New York College of Environmental Science & Forestry (SUNY ESF)** offers a 3-credit (SUNY ESF credits) course taught by OCS teachers. *Fees for this course are determined at the beginning of each school year. The cost for this course for the 2022-2023 school year is \$200. Students who qualify for the Free/Reduced Lunch Program may qualify for a reduced rate; this rate for the 2022-2023 school year is \$75. Please contact the Guidance Counselor for details and further information.*

**State University of New York at Oswego** offers intermediate level German courses through Onondaga Junior-Senior High. Students taking German IV (201) and German V (202) earn 3 college credits for each course at a cost of \$175 per course but are reduced for students receiving free lunch through the district.

**Tompkins-Cortland Community College (TC3)** offers two 4-credit College Chemistry courses, two 4-credit Biology courses, and a 4-credit College Algebra course, also taught by OCS teachers. *Currently there are no fees charged for TC3 courses.* See department listings for course offerings.

**BOCES** (Board of Cooperative Educational Services) offers a wide variety of vocationally-oriented programs to OCS students. Details about specific programs offered can be obtained from high school guidance counselors.

**NEW VISION** is an alternative program for high school seniors only. Eligible students have the opportunity to experience a professional field through an on-site placement. See New Visions section for more information.

## **Academic Support Services**

**Academic Support Period** - Students are encouraged to meet with their teachers for instructional support. Academic Support Period is offered on a daily basis and provides an opportunity for students to meet with their teachers individually or in small groups for academic support following the regular school day (2:30-3:15 p.m.).

## **Opportunities To Enhance A Student's High School Experience**

### **CO-CURRICULAR ACTIVITIES**

Art Club  
Character Education  
Classic Rock Club  
Drama Club  
Envirothon  
German Club  
Key Club  
Musicals, Technical Crew  
Music Club  
National Honor Society,  
National Junior Honor Society

Robotics  
School Newspaper  
Spanish Club  
Student Council  
Technology Club  
Varsity Club  
Yearbook  
Class Officers: Freshman,  
Sophomore, Junior, Senior

### **INTERSCHOLASTIC ATHLETICS**

#### **Fall Sports:**

Boys' Football  
Boys' Soccer  
Boys' and Girls' Cross Country  
Girls' Soccer  
Girls' Cheerleading

#### **Spring Sports:**

Boys' Baseball  
Boys' and Girls' Tennis  
Girls' Softball  
Boys' and Girls' Track & Field  
Boys' and Girls' Lacrosse

#### **Winter Sports:**

Boys' and Girls' Basketball  
Boys' Wrestling  
Girls' Volleyball  
Girls' and Boys' Cheerleading  
Boys' and Girls' Indoor Track & Field

## **Course Requirements and Student Placement**

Student success in a rigorous, sequential course of study is a fundamental goal of our educational program at Onondaga Junior-Senior High School. Departments and academic disciplines have coordinated certain requirements and guidelines regarding student course selection and placement. These measures, carefully developed and considered by our teachers and administrators, ensure that each student is scheduled for the appropriate class and level. Factors considered in that decision include: reading level, past performance, and motivation. Certain electives may not be taught due to lack of enrollment. Students scheduled in these courses are rescheduled with an appropriate alternative. Questions regarding student placement should be referred to the student's school counselor as the first step in a review process that includes the counselor, student, administrator, department chairperson, teacher, and parent.

## **College Admission Planning**

The major criterion used by colleges for making admission decisions is the **quality** of a student's high school program. This means students should be selecting the most challenging "college preparatory" program possible, particularly in the areas of English, Mathematics, Science, Social Studies, and Languages other than English (LOTE). Regents-level courses are "college preparatory" courses at Onondaga Junior-Senior High School.

A Regents diploma alone, however, does not guarantee admission to the college of a student's choice. Colleges examine a variety of factors for admission, including: strength of academic program, grades in college preparatory courses, grade point average, class rank, SAT and/or ACT scores, teacher and counselor recommendations, extra-curricular activities, success in a part time job, and community service. In more selective colleges, these factors are especially important. A challenging academic program, combined with high grade averages and extra-curricular activities, affords students many more options upon graduation from high school.

## **Weighted College Courses at Onondaga Central**

College-bound students are encouraged to participate in Advanced Placement or other college level course before leaving high school. In addition, some courses which utilize college-level materials that are integrated into the curriculum may be designated by the High School Curriculum Council as weighted courses. This weighting is used solely for the purpose of determining student rank in class.

Computation for a weighted grade is calculated as follows:

- For Honors and College Courses, weighted grades are determined by taking the final average and multiplying by 1.03.
- For AP Courses, weighted grades are determined by taking the final average and multiplying by 1.06.

There are many benefits to participating in a college course:

- Preview of college-level work with “professors” who know you
- Readiness for college-level course work
- Possible college credit given and/or advanced placement status when entering college
- Strengthens high school transcript
- Additional opportunities to gain higher-level thinking skills

## **College Level Courses offered at Onondaga Central**

### **Advanced Placement Courses:**

Advanced Placement World History  
 Advanced Placement United States History  
 Advanced Placement U.S. Government and Politics  
 Advanced Placement Psychology

### **Onondaga Community College (OCC):**

Pre-Calculus  
 Calculus  
 Creative Writing  
 College English I & II  
 College Physics I & II  
 Modern American History

### **SUNY College of Environmental Science & Forestry (SUNY ESF):**

The Global Environment

### **SUNY Oswego:**

Intermediate College German  
 Continuing Intermediate College German

### **Tompkins-Cortland Community College (TC3):**

Principles of Chemistry I & II  
 College Biology I & II  
 College Algebra

# ENGLISH

## **English 7**

**Course Number:** 0071

**Grade Level(s):** 7

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** Local Exam or paper

**Prerequisites:** None

**Description:** The purpose of this course is to motivate and encourage students to be competent, confident, and enthusiastic readers, writers, listeners and speakers by providing them with the skills necessary to be successful. Language skills are essential tools because they serve as the necessary basis for further learning and career development, and enable the human spirit to be enriched. Mastery of language skills will ensure that students have a successful transition from middle school to high school armed with the tools they need to be literate, confident communicators. The seventh grade English program will consist of fiction and nonfiction literature study, grammar skills, the inquiry process and writing. Curriculum is aligned with the highest expectations for students in the areas of reading, writing, speaking and listening. Some sections of English 7 will be co-taught to support and allow each student to meet these standards in a manner that aligns with their learning style.

## **English 8**

**Course Number:** 0081

**Grade Level(s):** 8

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** Local Exam or paper

**Prerequisites:** English 7

**Description:** The purpose of this course is to motivate and encourage students to be competent, confident, and enthusiastic readers, writers, listeners and speakers by providing them with the skills necessary to be successful. Language skills are essential tools because they serve as the necessary basis for further learning and career development, and enable the human spirit to be enriched. Mastery of language skills will ensure that the students enter the worlds of higher education and the workplace armed with the tools they need to be literate, confident communicators. The eighth grade English program will consist of fiction and nonfiction literature study, grammar skills, the inquiry process and writing.

Curriculum is aligned with the highest expectations for students in the areas of reading, writing, speaking and listening with supports for all levels of students to meet those standards. Some sections of English 8 will be co-taught to support and allow each student to meet these standards in a manner that aligns with their learning style.

**English 9**

**Course Number:** 0001

**Grade Level(s):** 9

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Final Exam

**Prerequisites:** English 8

**Description:** This course is designed to give students a close look at the elements of literature and composition, while also developing vocabulary, spelling, grammar, and speaking and listening skills. Several genres will be studied including short stories, plays, novels, and the epic poem. The writing component standards will include writing for aesthetic response and expression, information and understanding, critical analysis and evaluation, and social interaction. Students will be expected to write an original short story and to respond to the literature read in class.

**English 10**

**Course Number:** 0002

**Grade Level(s):** 10

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Final Exam

**Prerequisites:** Successful completion of English 9.

**Description:** English 10 is designed to help students write, analyze, compare and interact with texts of various genres including fiction, nonfiction, poetry and drama. They will read, write, listen and speak for a diverse range of audiences and purposes. Students will compose diverse forms of writing including poetry, short stories, research-based writing and critical analysis. They will also study SAT vocabulary and proper grammar weekly, while incorporating these skills in their writing. Students will be required to write (1) 5-7 page research papers. Proper research writing techniques will be taught and mastered. The local final exam will be modeled after the Common Core Regents Examination.

<b>English 11</b>		<b>Length:</b>	Full Year
<b>Course Number:</b>	0003	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	11	<b>Final Assessment:</b>	Final Research Paper

**Prerequisites:** Successful completion of English 9 and 10.

**Description:** English 11 is designed to help students write, analyze, compare and interact with texts of various genres including fiction, nonfiction, poetry and drama. They will read, write, listen and speak for a diverse range of audiences and purposes. Students will compose diverse forms of writing including poetry, comparative essays, researched-based writing and critical analysis. They will also study vocabulary and proper grammar weekly while incorporating these skills in their writing.

<b>English 12</b>		<b>Length:</b>	Full Year
<b>Course Number:</b>	0004	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	12	<b>Final Assessment:</b>	Senior Memory Book

**Prerequisites:** Successful completion of English 9-11.

**Description:** This course has been designed to be an extension of English 9, 10, and 11. It will reinforce the language skills previously learned and refine and develop them for use in any future endeavors, be it the academic, military, or business world. Thematic units that integrate the language arts by using a skill, topic, concept, genre, or project as the focus of the unit are also incorporated. Emphasis will also be placed on writing college admission letters, cover letters, and resumes.

<b>College English I</b>		<b>Length:</b>	One Semester
<b>Course Number:</b>	0006 (ENG 103)	<b>Credit:</b>	0.5, 3 OCC Credits
<b>Grade Level(s):</b>	12	<b>Final Assessment:</b>	Portfolio

**Prerequisites:** A grade of 85 or higher on the Common Core English Regents Exam and a grade of 90 or higher in English 11 or teacher/administrator approval. Must meet OCC's prerequisites.

**Description:** College English I is designed to satisfy the Onondaga Jr./Sr. High School graduation requirement for English 12 while simultaneously earning Onondaga Community College credit. Students in this course will analyze, compare and interact with texts of various

genres including fiction, nonfiction, and poetry. By analyzing the works of published authors, they will study and compare major forms of writing in terms of style, structure and audience. Students will evaluate and develop their own writing through prewriting, composition and revision techniques.

**College English II**

**Course Number:** 0007 (ENG 104)

**Grade Level(s):** 12

**Length:** One Semester

**Credit:** 0.5, 3 OCC Credits

**Final Assessment:** Final Paper

**Prerequisites:** Students must successfully complete College English I with at least an 85% average to be eligible for College English II.

**Description:** College English II is designed to satisfy the Onondaga Jr./Sr. High School graduation requirements while simultaneously earning Onondaga Community College credit. Students in this course will analyze, compare and interact with texts of various genres including fiction, nonfiction, poetry and drama. By analyzing the works of published authors, they will evaluate and compare major forms of literature in terms of historical context, audience and diverse literary techniques.

**College Creative Writing**

**Course Number:** 0027 (CRW 103)

**Grade Level(s):** 11,12

**Length:** One Semester

**Credit:** 0.5, 3 OCC Credits

**Final Assessment:** Revision/Reflection Assignment

**Prerequisites:** None

**Description:** This is an introductory course focused on preparing students for the practice of writing fiction, poetry, creative nonfiction, and/or scriptwriting. Students learn to read as writers, develop an individual voice, recognize the craft of writing, and produce and critique their own and others' pieces.

**Public Speaking**

**Course Number:** 0008

**Grade Level(s):** 9-12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Group Project

**Prerequisites:** None



**Description:** This course is designed to cover the purpose and importance of communication and to present the criteria for successful communication. Included is a study of intrapersonal as well as interpersonal communication and how one's perception can affect how we relate and communicate with others. The content includes emphasis on the communication process, the voice mechanism, the listening process, stage fright, speech preparation and delivery, and non-verbal communication.

**Journalism**

**Course Number:** 0005

**Grade Level(s):** 9-12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Project/Exam

**Prerequisites:** Student needs an English teacher recommendation and must sign up to be a member of the school newspaper.

**Description:** This course will introduce you to the basic of writing in a journalistic style. Introduction to the fundamental journalistic writing skills for the media and to fundamental copy editing, including selection, processing and display of news and other information; studies in news audience interests; readability, clarity, verification and style. This course will spend time discussing major issues facing news media in a democratic society, including ethics, institutions, and the effects & standards of press performance. Grades are based on participation and work completed. Respect to all in class is expected. All work is graded based on the rubric. Respect and participation is expected when speakers are present. Each student must respond to the thoughts and comments of another student when it is required. The time you will converse in class is when the class is discussing topics and techniques. Attendance is necessary for this class. Analyzing various journalistic styles and types is required. Introduction to photographic technique, visual design, and use of images in the media is a part of this course also. Much attention to grammar, spelling, and punctuation, as well as focus, organization, sentence structure, and syntax is paramount to this course. A goal of this course is to film a broadcast.

**Athletics in Society****Course Number:** 0012**Grade Level(s):** 11-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Research Paper

**Prerequisites:** English 10. Must have knowledge of how to complete a 5-7 page research paper. This includes proper research techniques and protocol, proper in-text citations, bibliography and works cited page.

**Description:** This course is designed for students to gain their own insights about attitudes and competition in regards to winning in athletics. Students will read various works of literature such as short stories, poems, narratives and articles to develop their own philosophy on competition and winning. A variety of movies will also be shown in regards to competition and winning and students will also have the opportunity to meet guest speakers involved with several different athletic backgrounds and take field trips to local area sports related venues including The Baseball Hall of Fame in Cooperstown.

**Creative Writing****Course Number:** 0011**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** None

**Prerequisites:** None

**Description:** This elective consists of cultivating the skills and techniques required in writing compelling pieces of fiction and non-fiction. There will be a focus on lexicon augmentation (vocabulary expansion), tone, character development, description and fluency. As a class we will share our works and participate in writer's workshop-style peer editing and critiques. We will be journaling each day in class, while also working on larger pieces. Major writing projects will include: personal narratives, short stories, poems, and flash fiction. Students will be given a participation grade for each day of class.

**Broadcasting I****Course Number:** 0019**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Local Exam

**Prerequisites:** None

**Description:** This elective consists of collecting, filming and producing the morning announcements to be aired daily on the OCS website.

Students will rotate among available studio roles throughout the year to get a basic understanding of what each job entails. This is a largely performance based class, so attendance and participation are of the utmost importance!

**Broadcasting II**  
**Course Number:** 0020  
**Grade Level(s):** 9-12  
**Length:** One Semester  
**Credit:** 0.5  
**Final Assessment:** Local Exam

**Prerequisites:** Pass Broadcasting I

**Description:** Continuation of Broadcasting I course (see above).

**Video Production I**  
**Course Number:** 0021  
**Grade Level(s):** 9-12  
**Length:** One Semester  
**Credit:** 0.5  
**Final Assessment:** Project

**Prerequisites:** None

**Description:** Students experience the world of video production: script writing, shot selection, audio production, video editing, acting, etc. This course is designed to walk students slowly through the steps and what it takes in order to film and edit a successful video project.

**Video Production II**  
**Course Number:** 0022  
**Grade Level(s):** 9-12  
**Length:** One Semester  
**Credit:** 0.5  
**Final Assessment:** Project

**Prerequisites:** Pass Video Production I

**Description:** Continuation of Video Production I course (see above).

*\*Video Production and Broadcasting may be combined depending on scheduling. The finished product will be aired as Tiger TV.*

**AIS ELA**  
**Course Number:** 1301, 1302, 1303  
**Grade Level(s):** 7-12  
**Length:** Full Year (A or B Days)  
**Credit:** N/A  
**Final Assessment:** N/A

**Prerequisites:** N/A

**Description:** Students will be expected to gain proficiency in the four domains of writing throughout the year. The four domains are: expository, persuasive, literature analysis, and lastly narrative. Students will learn to utilize their planners and organize their time to prepare for upcoming work given by other content area teachers. Students will learn how to study for upcoming assignments and keep up to date on work that has been assigned daily and long term projects.

<b>ENL - English</b>	<b>Length:</b> Full Year
<b>Course Number:</b> 0015	<b>Credit:</b> 1.0
<b>Grade Level(s):</b> 7-12	<b>Final Assessment:</b> NYSESLAT

**Prerequisites:** N/A or only applicable to students who do not speak English as their first language.

**Description:** The goal of this course is to propel the student in his/her acquisition of the English language and to build confidence in reading, writing, listening and speaking. Students are assisted in their class work by addressing and working through challenges in their other courses. Interactive activities enhance progress in the student's overall understanding of the language.

<b>Multicultural Literature, Film and Cooking</b>	<b>Length:</b> One Semester
<b>Course Number:</b> 0030	<b>Credit:</b> 0.5
<b>Grade Level(s):</b> 10-12	<b>Final Assessment:</b> Project

**Prerequisites:** None

**Description:** This course will focus on literature by and about people of diverse ethnic backgrounds. Students will explore themes of cultural diversity by comparing, contrasting, analyzing and critiquing writing styles and universal themes. This course will represent various cultures and races (Latino, Chicano, African American, Asian American, etc.) Paying attention to how the literature explores racism, discrimination, and rises above oppression.

# SOCIAL STUDIES

**Social Studies 7, U.S. History and Government**      **Length:** Full Year  
**Course Number:** 0171      **Credit:** N/A  
**Grade Level(s):** 7      **Final Assessment:** Local Exam

**Prerequisites:** None

**Description:** Social Studies Seven is the first half of a two-year sequence in United States History and Government. The content begins with pre-Columbian Native American History and Culture and ends just prior to the U.S. Civil War. This is a writing-intensive course.

**Social Studies 8**      **Length:** Full Year  
**Course Number:** 0181      **Credit:** N/A  
**Grade Level(s):** 8      **Final Assessment:** Local Exam

**Prerequisites:** 7<sup>th</sup> Grade Social Studies

**Description:** This course encompasses both American History and the structure and function of our American government. We will trace the initial foundations of American Society and government, from the American Revolution through the present. Along the way, we will analyze and study those pertinent developments and actions, which have made America what it is today. We will study the U.S. Constitution, the 27 amendments, Supreme Court Cases, and the many important people and events in our American Heritage.

**Global Studies 9**      **Length:** Full Year  
**Course Number:** 0101      **Credit:** 1.0  
**Grade Level(s):** 9      **Final Assessment:** Local Exam

**Prerequisites:** 8<sup>th</sup> Grade Social Studies

**Description:** Global Studies & Geography 9 is the beginning of a two-year course from the New York State Global Studies curriculum that will continue into grade 10. Here, we concentrate on major themes such as geography, belief systems, intellectual life, economic systems, diversity, and human rights, among many others. We will discuss and explore the history of multiple cultures throughout the world as we guide ourselves toward the New York State Regents Exam in June of next school year.

**Global Studies 9 Honors****Course Number:** 0120**Grade Level(s):** 9**Length:** Full Year**Credit:** 1.0**Final Assessment:** Local Exam**Prerequisites:** 8<sup>th</sup> Grade Social Studies and teacher recommendation.

**Description:** Global Studies 9 Honors is the beginning of a two-year course from the New York State Global Studies curriculum that will continue into grade 10. Here, we concentrate on major themes such as geography, belief systems, intellectual life, economic systems, diversity, and human rights, among many others. We will discuss and explore the history of multiple cultures throughout the world as we guide ourselves toward the NYS Regents Exam in June of the next school year. *Students in this course will also concentrate on achieving the reading and writing levels which they will require to be successful in future Advanced Placement (AP) courses, including AP World History and AP U.S. History.*

**Global Studies 10****Course Number:** 0102**Grade Level(s):** 10**Length:** Full Year**Credit:** 1.0**Final Assessment:** Regents Exam**Prerequisites:** Successful completion of 9<sup>th</sup> Grade Social Studies.

**Description:** Global Studies & Geography 10 is a continuation of the New York State Global Studies curriculum from ninth grade. Here, we will continue on with major themes such as geography, belief systems, intellectual life, economic systems, diversity, and human rights, among many others. We will discuss and explore the history of multiple cultures throughout the world as we guide ourselves toward the New York State Regents Exam in June.

**AP World History****Course Number:** 0108**Grade Level(s):** 10**Length:** Full Year**Credit:** 1.0**Final Assessment:** Global Studies  
Regents Exam and  
AP Exam

**Prerequisites:** A grade of 94 on the Global Studies 9 Final Exam and a final average of 94 in Global Studies 9.

**Description:** This course provides an overview of human history from the early humans to the present times, with the emphasis on the study of significant people, events and issues. This course is equivalent to

a full year introductory college course. Onondaga Central students who successfully complete this course will receive credit for Global Studies 10. In May, students will take the AP World Examination. The last six weeks of the school year will be dedicated to preparing for the New York State Regents Examination in Global History and Geography.

***American History and Government***

***Course Number:*** 0103

***Grade Level(s):*** 11

***Length:*** Full Year

***Credit:*** 1.0

***Final Assessment:*** Regents Exam

***Prerequisites:*** Successful completion of 9<sup>th</sup> & 10<sup>th</sup> Grade Social Studies.

***Description:*** This course encompasses both American History and the structure and function of our American government. We will trace the initial foundations of American society and government, from the Revolution through the present. Along the way we will analyze and study those pertinent developments and actions which have made America what it is today. We will study the Constitution, the 27 amendments, Supreme Court Cases and the many important events and concepts in our American Heritage.

***AP U.S. History***

***Course Number:*** 0119

***Grade Level(s):*** 11

***Length:*** Full Year

***Credit:*** 1.0

***Final Assessment:*** Global Studies  
Regents Exam *and*  
AP Exam

***Prerequisites:*** A grade of 94 on the Global Studies Regents and a final average of 94 in Global Studies 10.

***Description:*** The Advanced Placement United States History course is designed for the serious student who wishes to challenge his or her abilities in the area of U.S. History. It is meant to be the equivalent of a freshman college course and can earn you college credit. Students should note that success in this course carries with it responsibility – an average of eight to ten hours per week of outside preparation is to be expected.

**Participation in Government****Course Number:** 0104**Grade Level(s):** 12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Local Exam**Prerequisites:** Successful completion of 9<sup>th</sup> - 11<sup>th</sup> Grade Social Studies.

**Description:** Participation in Government is a one-semester course where students examine and discuss issues and policies at the local, state, and national levels of government. Topics include but are not limited to: the United States Constitution and the Bill of Rights, state and local government, the criminal justice system, current events, public policy issues, Supreme Court cases, taxation policies, and political parties: primaries and elections. This course is required by New York State to graduate.

**Economics (also listed under BUSINESS)****Course Number:** 0106**Grade Level(s):** 12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Local Exam**Prerequisites:** Successful completion of 9<sup>th</sup> - 11<sup>th</sup> Grade Social Studies.

**Description:** Business Economics is a state mandated graduation requirement for 12<sup>th</sup> grade students. Economics is a social science that is concerned with the choices we make to utilize the resources available to us. Business Economics is a one-semester course in which students learn the fundamental concepts of micro-, macro-, and international economics and how each is applied to everyday life.

**AP U.S. Government and Politics and Honors Economics****Course Number:** 0109**Grade Level(s):** 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** AP Exam

**Prerequisites:** A grade of 94 on the US History and Government Regents and a final average of 94 in US History and Government.

**Description:** AP Government is the equivalent to an introductory college-level American Government course. The demands of the course are fairly rigorous. In AP Government, students will engage in an in-depth study of the make-up and functions of the United States'



Government and the American political system. The goal of the course will be twofold: first, to provide students with a working knowledge of American government and politics which will serve them later in life; and, to prepare students to take the United States Government and Politics Advanced Placement Exam. Honors Economics is a social science that is concerned with the choices we make to utilize the resources available to us. In this class, students examine economic theories and how these theories affect their lives.

***The Vietnam War***

***Course Number:*** 0118  
***Grade Level(s):*** 9 - 12

***Length:*** One Semester

***Credit:*** 0.5

***Final Assessment:*** Local Exam or Paper

***Prerequisites:*** None

***Description:***

The History of The Vietnam War is a one-semester Social Studies elective. The course begins with a brief review of the Cold War, and then studies Vietnamese history and culture. The course then analyzes the American role in "advising" the South Vietnamese, the gradual buildup of American troops, some of the major battles of the war, and the Vietnamization of the war. Other topics studied are the My Lai Massacre, the role of American women in the conflict, the African American experience in Vietnam, conscientious objection, Prisoners of War and the homecoming of American Veterans. Each student completes two book reports and two movie reviews throughout the semester.

***Current Issues and Events***

***Course Number:*** 0114  
***Grade Level(s):*** 9 - 12

***Length:*** One Semester

***Credit:*** 0.5

***Final Assessment:*** Local Exam or Paper

***Prerequisites:*** None

***Description:***

As the saying goes, "The Current Events of Today, become the History of Tomorrow". Understanding why (cause) an event has taken place, and the impact/outcome (effect) of this event, helps us as American Citizens, become more aware of what is taking place in the world around us. Hopefully, this increased awareness will propel us to take action, thereby making us better citizens and in the process improving the society in which we live.

<b>AP Psychology</b>	<b>Length:</b>	Full Year
<b>Course Number:</b> 0115	<b>Credit:</b>	1.0
<b>Grade Level(s):</b> 11, 12	<b>Final Assessment:</b>	AP Exam

**Prerequisites:** There are no prerequisites for AP Psychology. Seniors are given registration priority.

**Description:** Psychology is the study of the behaviors and mental processes of humans and non-human animals. This is a fast-paced class that covers many fascinating aspects of the field. Some of the topics we examine are learning and memory, thinking and language, intelligence, and motivation and emotion. Psychological disorders and treatments are presented from the perspectives of the biological, psychological, and social/cultural. While exploring the complexities of the mind, students gain a broadened understanding of, and appreciation for, what it means to be human.

<b>AIS Social Studies</b>	<b>Length:</b>	Full Year (A or B Days)
<b>Course Number:</b> 0105	<b>Credit:</b>	N/A
<b>Grade Level(s):</b> 9-12	<b>Final Assessment:</b>	Regents Exam

**Prerequisites:** None

**Description:** The purpose of this course is to provide remediation for those students who have not passed the New York State Regents in Global History and Geography and/or U.S. History and Government on previous attempts. Students will review course content and test-taking strategies in preparation for the Regents Exams that they must retake.

<b>Modern American History</b>	<b>Length:</b>	One Semester
<b>Course Number:</b> 0105	<b>Credit:</b>	0.5, 3 OCC Credits
<b>Grade Level(s):</b> 11, 12	<b>Final Assessment:</b>	Local Exam

**Prerequisites:** None

**Description:** HIS 107 is a continuation of HIS 105 & HIS 106 covering the major trends and movements in modern American History. Topics will be: the rise of the US as a world power; the Progressive Era; the First World War; the "Roaring 20's"; the Great Depression & New Deal; the Second World War; the Cold War; the Civil Rights Era & 1960's activism; the Vietnam War; the rise of Conservatism; the end of the Cold War & the start of the next phase of globalization & the impact of 9/11. The objective is to help students analyze the past and relate it to current issues & concerns and a basic understanding of United States History from 1900 to the present day.

**American History through Hollywood Movies**      **Length:** One Semester  
**Course Number:** 0124      **Credit:** 0.5  
**Grade Level(s):** 9-12      **Final Assessment:** Project

**Prerequisites:** Successful Completion of 7<sup>th</sup> and 8<sup>th</sup> Grade U.S. History

**Description:** American History through Hollywood Movies is a research class. As citizens, many of us look to Hollywood to provide entertainment. Throughout the history of motion pictures, Hollywood has turned to history as the subject matter of many popular films. In this course, we examine the question: How historically accurate was a particular film? This course will examine several films based on historical subject matter. Typically, students will view a film followed by library research to determine the historical accuracy of the film. Students will work individually and in groups while reporting on their research results. A final project will involve student choice and research of a film theme.

**World War II**      **Length:** One Semester  
**Course Number:** 0121      **Credit:** 0.5  
**Grade Level(s):** 9-12      **Final Assessment:** Project

**Prerequisites:** None

**Description:** This is a one semester course on the history of the Vietnam War. Students will examine the causes for World War II, the war itself, and its legacy. This will be done from multiple perspectives using a variety of sources. Much of the course will be film study, both documentary and Feature films. We will look closely at the role of the Film Industry in creating how people view World War II, especially the Hollywoodization of the war and the celebrity status of certain Generals and other Key players. We will look at the war from all perspectives, both the Allies and the Axis, and how the war created the world we live in today. Students will be required to complete projects and activities that show their understanding of the course material. These may include movie reviews, book reviews, a Webquest and analysis of music and poetry from the era.

# MATHEMATICS

## **Math 7**

**Course Number:** 0271

**Grade Level(s):** 7

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** Local Final

**Prerequisites:** Completion of 6<sup>th</sup> Grade Mathematics.

**Description:** This course is designed to give the student a base of concepts needed for the 7th grade NYS Assessment and the 8th grade NYS Assessment which follows the Common Core Curriculum. As a requirement for this course, all 7<sup>th</sup> grade students will take the NYS Math Assessment in the spring.

## **Math 8**

**Course Number:** 0281

**Grade Level(s):** 8

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** Local Final

**Prerequisites:** Completion of 7<sup>th</sup> Grade Mathematics.

**Description:** The Math 8 program both continues work in the areas defined in the Math 7 program and introduces new Common Core topics. As a requirement for this course, all 8<sup>th</sup> grade students will take the NYS Math Assessment in the spring.

## **Algebra A**

**Course Number:** 0215

**Grade Level(s):** 9

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Local Final

**Prerequisites:** Completion of 8<sup>th</sup> Grade Mathematics

**Description:** New York State requires that all students must pass the Algebra Regents Exam before earning a high school diploma. Algebra A is the first year of a two-year course designed to prepare students for the New York State Algebra Exam and follows the mathematical standards established by the state. The curriculum is intended to provide students with a mathematical overview of basic Algebra, providing a foundation of knowledge that the students will use in future math courses and ultimately on the Algebra Regents Exam.

**Algebra Regents****Course Number:** 0203**Grade Level(s):** 9**Length:** Full Year**Credit:** 1.0**Final Assessment:** NYS Regents Exam

**Prerequisites:** 85% or better average in Math 8 and level 3 or 4 on NYS 8<sup>th</sup> grade assessment and teacher recommendation.

**Description:** New York State requires that all students must pass the Algebra Regents Exam before earning a high school diploma. Algebra Regents is designed to prepare students for the New York State Algebra Exam and follows the mathematical standards established by the state. The curriculum is intended to provide students with a mathematical overview of basic Algebra, providing a foundation of knowledge that the students will use in future math courses. A graphing calculator (TI-84 Plus CE) is necessary for all students.

**Algebra B****Course Number:** 0202**Grade Level(s):** 10**Length:** Full Year**Credit:** 1.0**Final Assessment:** NYS Regents Exam

**Prerequisites:** Successful completion of Algebra A.

**Description:** New York State requires that all students must pass the Algebra Regents Exam before earning a high school diploma. Algebra B is the second year of a two-year course designed to prepare students for the New York State Algebra Exam and follows the mathematical standards established by the state. The curriculum is intended to provide students with a continued mathematical overview of basic Algebra, providing a foundation of knowledge that the students will use in future math courses. A graphing calculator (TI-84 Plus CE) is necessary for all students.

**Geometry****Course Number:** 0214**Grade Level(s):** 10 or 11**Length:** Full Year**Credit:** 1.0**Final Assessment:** Local Final

**Prerequisites:** Successful completion of Algebra B or Algebra Regents.

**Description:** Geometry is designed to provide additional mathematical training for students who have successfully completed the New York State Algebra requirements and require one or more additional math course(s) to fulfill the high school core requirement. The curriculum

is also intended to provide a basis for students who intend to pursue a level of education beyond high school that may require some math training.

***Geometry with Honors***

***Course Number:*** 0206

***Grade Level(s):*** 9-11

***Length:*** Full Year

***Credit:*** 1.0

***Final Assessment:*** NYS Regents Exam

***Prerequisites:*** Successful completion of NYS Algebra Regents and teacher recommendation.

***Description:*** Geometry with Honors is designed to prepare students for the New York State Geometry Exam and follows the mathematical standards established by the state providing a foundation of knowledge that the students will use in future math courses. A graphing calculator (TI-84 Plus CE) is necessary for all students. This course is needed for a Regents Diploma with Advanced Designation.

***Algebra II***

***Course Number:*** 0207

***Grade Level(s):*** 11 or 12

***Length:*** Full Year

***Credit:*** 1.0

***Final Assessment:*** Local Exam

***Prerequisites:*** Successful completion of the Algebra I Regents Exam and successful completion of a Geometry course.

***Description:*** This course is intended to extend and integrate the topics taught in Algebra. A strong emphasis will be placed on algebraic skills. A few trigonometry topics will be introduced towards the end of the course. A local exam is given at the end of the year.

***Algebra II with Honors***

***Course Number:*** 0208

***Grade Level(s):*** 10-12

***Length:*** Full Year

***Credit:*** 1.0

***Final Assessment:*** NYS Regents

***Prerequisites:*** 80% or better on the NYS Integrated Geometry Regents Exam and teacher recommendation.

***Description:*** Algebra II with Honors is designed to prepare students for the New York State Algebra II Exam and follows the mathematical

standards established by the state. The curriculum is intended to provide students with continued knowledge of their Algebra skills plus a mathematical overview of trigonometry, providing a foundation of knowledge that the students will use in future math courses. A graphing calculator (TI-84 Plus CE) is necessary for all students. This course is needed for a Regents Diploma with Advanced Designation.

**Math 12X**

**Course Number:** 0209

**Grade Level(s):** 12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Local Final

**Prerequisites:** Successful completion of Algebra Regents, a Geometry course, and Algebra II.

**Description:** This course expands on previously-taught topics in the high school math curriculum and introduces new ones. The use of the TI-84 Plus CE graphing calculator to expand and clarify topics is extensive. The course starts with reviewing and exploring types of functions, with solving different types of rational functions as a goal. Then a review of Trigonometry and Logarithmic/Exponential Functions is included. The course then turns to an introduction of Calculus with a focus on the derivative and the various applications it has. Towards the end of the year a mathematical novel is read, leading to the topics of logic and proof, prime numbers, graph theory, history of mathematics as well as a variety of other topics. The course is designed for a college-bound student preparing for a freshman college math class.

**College Algebra**

**Course Number:** 0218 (MAT 120)

**Grade Level(s):** 11, 12

**Length:** Full Year

**Credit:** 1.0, 4 TC3 Credits

**Final Assessment:** Local Final

**Prerequisites:** Successful completion of Algebra Regents, Geometry Regents, and Algebra II Regents or teacher recommendation.

**Description:** This course covers college algebra between algebra and pre-calculus. Topics include linear, quadratic, absolute value, polynomial, rational, exponential and logarithmic expressions/equations/functions, function negotiation, graphing functions, transformations of functions, inverses, complex numbers and linear, absolute value, and quadratic inequalities. A graphing calculator (TI-84 Plus CE) is recommended.

**Pre-Calculus****Course Number:** 0201 (*MAT 143*)**Grade Level(s):** 12**Length:** One Semester**Credit:** 0.5, 4 OCC Credits**Final Assessment:** Local Final

**Prerequisites:** 65% or better on the Algebra II Regents Exam and teacher recommendation. Must meet OCC's prerequisites.

**Description:** This course offers 4 college credit hours through Onondaga Community College. This course is designed to provide a foundation for later college mathematics, especially the Calculus sequence. It provides insights into the concept of elementary algebraic and transcendental functions and their graphs in the x-y plane. Students are given practice using algebraic, numerical and graphical approaches to solving equations and inequalities. The trigonometric functions are treated as a special class of functions that satisfy certain basic identities. Inverse trigonometric functions are introduced and used to solve simple trigonometric equations. The solution of systems of linear equations in several variables is discussed in the context of matrix methods on the calculator. Some discrete algebra, such as sequences, summations, binomial expansion, and mathematical induction is included.

**Calculus****Course Number:** 0200 (*MAT 161*)**Grade Level(s):** 12**Length:** One Semester**Credit:** 0.5, 4 OCC Credits**Final Assessment:** Local Final

**Prerequisites:** Successful completion of Pre- Calculus.

**Description:** This course offers 4 college credit hours through Onondaga Community College. This is a first course in the traditional calculus sequence designed for students in the Mathematics and Science, Engineering Science, Computer Science, Electrical Tech curricula, and other students interested in pursuing higher mathematics. The course illustrates to the student the overall picture of Calculus, i.e. limits, differentiation, and integration using simple functions. It prepares the student for advanced work in Calculus II, which requires the skills of Calculus I. Therefore the student must internalize the material of the course and be able to work with it with a good degree of mental sharpness.



**AIS Mathematics****Course Number:** 1401, 1402, 1403**Grade Level(s):** 7 -12**Length:** Full Year**Credit:** N/A**Final Assessment:** NYS Test**Prerequisites:** None**Description:**

At the middle school level, the purpose of AIS Math is to provide remediation for those students who have received a level 1 or 2 on the New York State Test in 6<sup>th</sup> or 7<sup>th</sup> grade. It is also to provide a student who is below grade level in math with supplemental math instruction.

At the high school level, the purpose of AIS Math is to provide supplemental instruction to students falling below grade level. It is also to assist a student who has not successfully passed the New York State Regents in Common Core Algebra on previous attempts. These students will receive Regents Prep and test taking strategies to assist them in achieving success on the NYS Common Core Algebra Regents.

All students in AIS Math in 7<sup>th</sup> through 12<sup>th</sup> grade will be provided additional support in correlation with the material that they are working on in their regular mathematics class. All students are placed in AIS classes based on teacher recommendations as well as test scores.

# SCIENCE

<b>Science 7</b>		<b>Length:</b>	Full year
<b>Course Number:</b>	0371	<b>Credit:</b>	N/A
<b>Grade Level(s):</b>	7	<b>Final Assessment:</b>	Local Exam

**Prerequisites:** Completion of 6th Grade Science.

**Description:** The 7<sup>th</sup> grade Science program is based on the Learning Standards from the State Education Department. Topics of study include Cells and Heredity, Human Biology, Diversity of Living Things, and Ecology. Students will think critically about issues in science and solve problems using the scientific method.

<b>Science 8/Physical Science</b>		<b>Length:</b>	Full year
<b>Course Number:</b>	0381	<b>Credit:</b>	N/A
<b>Grade Level(s):</b>	8	<b>Final Assessment:</b>	Intermediate Level Science Exam

**Prerequisites:** Completion of Life Science in 7<sup>th</sup> Grade.

**Description:** This is a physical science course that follows the New York State Intermediate Level Science Core Curriculum for grades 5-8. The students of this class will use analysis, inquiry, and design to create questions, answers, and develop solutions through the curriculum. As stated before, the course focuses primarily on the physical sciences, along with skills to enhance science learning. During the spring semester, students will be taking the New York State Science 5-8 Assessment. The state assessment is broken into a hands-on assessment (laboratory setting) and a written assessment. We will focus much of our efforts on preparing students to do well on that test. The state assessment covers material taught in science grades 5-8.

<b>Living Environment</b>		<b>Length:</b>	Full year
<b>Course Number:</b>	0304	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	9	<b>Final Assessment:</b>	Regents Exam

**Prerequisites:** Successful completion of 8<sup>th</sup> Grade Physical Science and 8<sup>th</sup> Grade NYS Science Assessment.

**Description:** The Living Environment class follows the New York State Living Environment curriculum. The Living Environment Program focuses on the essential elements of modern biology relevant to today's world. Emphasis is based on the current issues such as the environment and technology in society. Topics include ecology, cells, biochemistry, genetics, evolution, and human physiology. Course projects and laboratory work will be a required component of the course. A main goal of the class will be for a successful completion of the end of the year state assessment which evaluates all areas of student performance including lab skills, communication skills, data analysis and interpretation skills. 1200 minutes of laboratory time is required to take this assessment.

**Honors Living Environment**

**Course Number:** 0312

**Grade Level(s):** 9

**Length:** Full year

**Credit:** 1.0

**Final Assessment:** Regents Exam

**Prerequisites:** Successful completion of 8<sup>th</sup> Grade Physical Science and 8<sup>th</sup> Grade NYS Science Assessment.

**Description:** The Honors Living Environment class follows the New York State Living Environment curriculum. The Living Environment Program is an advanced class designed to integrate the concepts and topics of modern biology relevant to today's world. Emphasis is based on the current issues such as the environment and technology in society. Topics include ecology, cells, biochemistry, genetics, evolution, and human physiology. Course projects and laboratory work will be a required component of the course. The course culminates with the New York State Living Environment final assessment, which evaluates all areas of student performance including lab skills, communication skills, data analysis and interpretation skills. 1200 minutes of laboratory time is required to take this assessment.

**Earth Science (Non-Regents)**

**Course Number:** 0309

**Grade Level(s):** 10-12

**Length:** Full year

**Credit:** 1.0

**Final Assessment:** Local Exam

**Prerequisites:** Successful completion of the Living Environment Regents exam.

**Description:** The students use analysis, inquiry, and design to create questions, answers, and develop solutions throughout the curriculum. The

course focuses primarily on scientific investigations, reasoning, and logic within the field of astronomy, meteorology, geological processes, hydrology, and natural resources (renewable and non-renewable energy). Students will be required to complete labs to aid their ability to understand the material covered. The students will be required to complete various projects throughout the year. Time for these projects will be given in class. The class does not have a separate lab section; it meets 5 periods per week.

**Earth Science (Regents)**

**Course Number:** 0302

**Grade Level(s):** 10

**Length:** Full year

**Credit:** 1.0

**Final Assessment:** Regents Examination

**Prerequisites:** Successful completion of the Living Environment Regents exam.

**Description:** The Physical Setting/Regents Earth Science course of study is designed to encourage students to understand the processes of change in earth and space through first-hand observation and inference. Throughout the various units, including Rocks and Minerals, Earthquakes, Landscapes, Geological History, Meteorology and Astronomy, emphasis is placed on scientific inquiry and analysis of data relevant to the NYS Learning Standards. Students will be taught to formulate questions that relate to their experiences, and to use their acquired skills to investigate these questions. Throughout the year, timely environmental issues such as global warming and environmental pollution will be explored, with an emphasis on how we interact with the planet Earth, and our responsibility to understand and value our natural environment. Since each student is required to meet the NYS minimum requirements of 1200 minutes of laboratory time, along with the minimum of 30 formally written labs with the passing score of 70 or higher, the class meets 7-8 times per week.

**Forensic Science**

**Course Number:** 0324

**Grade Level(s):** 11, 12

**Length:** Full year

**Credit:** 1.0

**Final Assessment:** Local Examination

**Prerequisites:** Successful completion of Living Environment and Earth Science.

**Description:** This course offers extensive laboratory experience that integrates the concepts learned in biology and Junior High science classes to

strengthen individual skills in scientific reasoning and observation. Using inquiry based settings, students will learn basic scientific and mathematical methods and models required in forensic science. Specific areas of study may include: Observation skills, Crime Scene Investigation, Evidence collection, Hair, Fiber and Fingerprint analysis, Blood evidence, Forensic anthropology, Ballistics, and Casts and Impressions. This class meets once a day but a major portion of the time will be in the laboratory setting. This class is intended as an opportunity for a third science credit. The pace of the class will be determined by student interest and comprehension.

**Chemistry (Regents)**

**Course Number:** 0305

**Grade Level(s):** 11

**Length:** Full year

**Credit:** 1.0

**Final Assessment:** Regents Examination

**Prerequisites:** This course is open to all students who have passed The Living Environment and Earth Science Regents examinations.

**Description:** Regents Chemistry is a study of principles basic to the understanding of chemistry in our modern world. Topics of study include: matter and energy, atomic structure, bonding, the Periodic Table, mathematics in chemistry, chemical kinetics and equilibrium, acid-base theories, redox and electrochemistry, organic chemistry and nuclear chemistry. The goals of this course include the development of reason, application of chemistry, and the attainment of knowledge such that one is capable of participating in the resolution of societal issues or the pursuit of careers in chemistry. Regents Chemistry has a State mandated laboratory requirement since students will be taking the NYS Assessment. Each student must be engaged in laboratory activities for at least 30, 40-minute periods or its equivalent. In order to meet this requirement, the class meets 7-8 periods a week (5 class periods and 2-3 laboratory periods).

***In lieu of Regents Chemistry, students may be enrolled in TC3 Chemistry to AUDIT the course. Students will earn "High School" credit/grade and be expected to take the New York State Regents Exam in June.***

***\*\*ALL students considering the medical field, especially nursing, should plan to take the New York State Regents Exam.***

**Principles of Chemistry I (College Chemistry)**      **Length:** One Semester  
**Course Number:** 0306 (**CHEM101**)      **Credit:** 0.5, 4 TC3 Credits  
**Grade Level(s):** 11      **Final Assessment:** Local Exam

**Prerequisites:** This course is open to students who have earned a class average of 85% in Living Environment and Earth Science Regents and who are enrolled in or have passed Algebra II with Honors.

**Description:** This course, taught in conjunction with Tompkins-Cortland Community College, is a study of the basic principles of chemistry, including measurement, atomic structure, the periodic table, bonding, mole concept, stoichiometry, chemical formulas and equations, and the study of solids, liquids and gases. Quantitative laboratory experiments are performed utilizing fundamental principles studied in the course and formal lab reports must be submitted for each. This course includes both classroom and lab requirements (5 class periods and 2-3 lab periods weekly).

**Principles of Chemistry II (College Chemistry)**      **Length:** One Semester  
**Course Number:** 0314 (**CHEM102**)      **Credit:** 0.5, 4 TC3 Credits  
**Grade Level(s):** 11      **Final Assessment:** Local Exam

**Prerequisites:** This course is open to students who have earned a minimum grade of "C" in Principles of Chemistry I (CHEM101).

**Description:** This course is a continuation of CHEM 101 including studies of aqueous solutions, acids and bases, electrochemistry, organic chemistry and nuclear chemistry. Quantitative laboratory experiments are performed utilizing fundamental principles studied in the course and formal lab reports must be submitted for each. This course includes both classroom and lab requirements (5 class periods and 2-3 lab periods weekly).

**General College Physics I**      **Length:** One Semester  
**Course Number:** 0310 (**PHY103**)      **Credit:** 0.5, 4 OCC Credits  
**Grade Level(s):** 12      **Final Assessment:** Local Exam

**Prerequisites:** This is a non-calculus based course in physics; three years of high school math are required as well as three science credits. Must meet OCC's prerequisites.

**Description:** This course emphasizes fundamental concepts and principles with a problem-solving approach. Topics covered include: Kinematics

and Dynamics, Newton's Laws, Work and Energy, Momentum, Rotational Motion, Heat and Thermodynamics. This course includes both classroom and lab requirements (5 class periods and 2-3 lab periods weekly).

**General College Physics II**

**Course Number:** 0313 (**PHY104**)

**Grade Level(s):** 12

**Length:** One Semester

**Credit:** 0.5, 4 OCC Credits

**Final Assessment:** Local Exam

**Prerequisites:** General College Physics I. This is a non-calculus based course in physics; three years of high school math are required as well as three science credits.

**Description:** This is a continuation of PHY 103. Topics covered include: Vibrations and Wave motion, Physical and Geometrical Optics, Electricity and Magnetism, simple AC and DC Circuits, and Modern Physics. This course includes both classroom and lab requirements (5 class periods and 2-3 lab periods weekly).

**College Biology I**

**Course Number:** 0316 (**BIO104**)

**Grade Level(s):** 12

**Length:** One Semester

**Credit:** 0.5, 4 TC3 Credits

**Final Assessment:** Local Exam

**Prerequisites:** Students must have taken high school biology, earth science and chemistry with a minimum class average of 88% in each.

**Description:** This is the first semester of an introductory level biology sequence designed for students who plan to transfer to an upper level program in science, environmental science, medicine, or a science-related field. Students who are interested in a rigorous study of biology may also enroll. Topics include basic chemistry and biochemistry, cell morphology, physiology and energetic; and classical and molecular genetics. Laboratories are strongly quantitative. Substantial outside preparation for lectures and laboratories is required. BIOL104 fulfills the SUNY General Education Natural Sciences requirement. Students may not apply credit for both BIO101 and BIOL104 toward their degree.

**College Biology II****Course Number:** 0317 (*BIO105*)**Grade Level(s):** 12**Length:** One Semester**Credit:** 0.5, 4 TC3 Credits**Final Assessment:** Semester Exam

**Prerequisites:** Students must have taken and passed General Biology II (BIO 104).

**Description:** This is the second semester of an introductory level biology sequence designed for students who plan to transfer to an upper level program in science, environmental science, medicine, or a science-related field. Topics include animal and plant diversity, animal and plant systems, reproduction, development, and ecology including human impact on the environment. Laboratories are strongly quantitative. Substantial outside preparation for lectures and laboratories is required. BIOL105 fulfills the SUNY General Education Natural Sciences requirement.

**SUNY ESF – The Global Environment and the Evolution of Human Culture****Course Number:** 0311 (*EFB120*)**Grade Level(s):** 11-12**Length:** One Year**Credit:** 1.0, 3 ESF Credits**Final Assessment:** Cumulative Final

**Prerequisites:** Students must have successfully completed the NYS Regents for Living Environment and Earth Science with a final average of at least 85%. Students must have successfully completed or be presently enrolled in NYS Regents Chemistry. This elective does not substitute for the core courses in Earth Science, Biology, Chemistry, and Physics.

**Description:** The Global Environment will help students gain the knowledge and tools to make informed decisions regarding their environment and the earth's future. This course integrates issues of pollution, deforestation, climate change, and soil depletion with economics, evolution, history, and social justice. We will look at local and global issues as functioning systems in evaluating problems and potential solutions. The critical role of energy will be woven throughout each of the units as a key factor in the environmental challenges we face. The systems approach of The Global Environment makes it a unique and exciting course which is relevant to effective world citizenship. Students have the option of taking the course for three (3) college credits from SUNY ESF.



**Agriculture 7****Course Number:** 1691, 1692**Grade Level(s):** 7**Length:** One Semester**Credit:** N/A**Final Assessment:** Local Exam or Project**Prerequisites:** None

**Description:** The purpose of Agriculture 7 is to expose students to the exciting world of agriculture. Students will explore a variety of different topics within agriculture such as the science of plants, animals, food, and more. Through this course, students will learn and apply scientific concepts in real-world contexts and become more informed consumers of agricultural products.

**Introduction to Agriculture, Food &  
Natural Resources****Course Number:** 0326**Grade Level(s):** 9-12**Length:** Full year**Credit:** 1.0**Final Assessment:** Local Exam or Project**Prerequisites:** None

**Description:** Students participating in the Intro to AFNR course will experience exciting hands-on activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, and natural resources. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, and work in teams. Supervised Agriculture experience, record keeping, and FFA are included.

**Horticulture****Course Number:** 0327**Grade Level(s):** 10-12**Length:** Full year**Credit:** 1.0**Final Assessment:** Local Exam or Project**Prerequisites:** Successful completion of Introduction to AFNR.

**Description:** The purpose of Horticulture is to expose students to the horticultural industry and related career options. Student experiences will involve the study of plant anatomy and growth, plant propagation, integrated pest management, landscape design, and floral design. Through this course, students will develop skills and solve real-world problems through hands-on activities and research projects.

**Animal Science****Course Number:** 0328**Grade Level(s):** 10-12**Length:** Full year**Credit:** 1.0**Final Assessment:** Local Exam or Project**Prerequisites:** Successful completion of Introduction to AFNR.

**Description:** The major focus of Animal Science is to expose students to animal science and related career options. This course includes hands-on activities, research projects, and dissections. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets.

**Veterinary Science****Course Number:** 0329**Grade Level(s):** 10 – 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Local Exam or Project

**Prerequisite:** This course is open to grade 10 students who successfully completed Introduction to AFNR, and grade 11-12 students who successfully completed Living Environment.

**Description:** This course is designed to give students a foundation in the basic knowledge needed to be successful in a veterinary science career. Areas of study include animal systems such as: animal tissues, musculoskeletal, digestive, reproductive, and respiratory. Students will be expected to learn veterinary terminology in addition to epidemiology of disease, zoonotic diagnosis, and veterinary technician skills. Basic veterinary science practices will be studied, including: cause, diagnosis, treatments and prevention of animal health problems. Supervised Agriculture Experience (SAE), record keeping, and FFA are included.

**Plant Science****Course Number:** 0330**Grade Level(s):** 10 – 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Local Exam or Project

**Prerequisite:** This course is open to grade 10 students who successfully completed Introduction to AFNR, and grade 11-12 students who successfully completed Living Environment.

**Description:** Plant Science provides a foundation of plant science knowledge and skills. Students will experience various plant science concepts through hands-on activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agronomic, forestry, and horticultural industries. Throughout the course, students will discover the value of plant production and its impact on individual, local, and global economies. Students will work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers, and plant research specialists, face in their respective careers. Supervised Agriculture Experience (SAE), record keeping, and FFA are included.

**AIS Science**  
**Course Number:**  
**Grade Level(s):**

0308  
9-12

**Length:** Full year  
**Credit:** N/A  
**Final Assessment:** NYS Exam

**Prerequisites:** None

**Description:** This course serves as supplementary instruction for students who did not pass the 8<sup>th</sup> grade New York State assessment in science, or students who failed to pass the Living Environment regents examination. The goal of this course is to provide the student with additional support as they prepare for State science examinations.

# FOREIGN LANGUAGE

**Introduction to German I****Course Number:** 0401**Grade Level(s):** 8**Length:** Full Year**Credit:** N/A**Final Assessment:** Final Exam**Prerequisites:** None.

**Description:** Introduction to German models the New York State curriculum aiming towards proficiency in the target language. This course introduces students to basic German vocabulary and grammar. It focuses on communication, understanding, and appreciation for the German language and culture.

**German I****Course Number:** 0411**Grade Level(s):** 9-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Final Exam**Prerequisites:** Introduction to German.

**Description:** German I models the New York State curriculum aiming towards proficiency in the target language. This course is based on the continuation of "Introduction to German." It reviews the grammar and vocabulary from the previous year and introduces the student gradually to a more complex grammar and new vocabulary. The main focus is on communication, understanding and appreciation for the German language and culture.

**German II****Course Number:** 0402**Grade Level(s):** 9-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Final Exam**Prerequisites:** Successful completion of German I.

**Description:** German II is the sequel to German I. It models the New York State curriculum aiming towards proficiency in the target language. This course is an expansion of previously presented topics, in-depth grammar and usage including idioms. New topics are introduced. It focuses on communication, understanding, speaking and writing, as well as the German language and culture.

**German III****Course Number:** 0403**Grade Level(s):** 9-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Final Exam**Prerequisites:** Successful completion of German I & II.

**Description:** German III models the New York State curriculum aiming towards proficiency and fluency in the target language at Checkpoint B. This course is a sequel to German II. This course is an expansion of previously presented topics, in-depth grammar and usage including idioms. New topics are introduced. It focuses on communication, understanding, speaking and writing, as well as the appreciation of the German language and culture.

**German IV: Intermediate College German****Course Number:** 0409 (GER201)**Grade Level(s):** 11,12**Length:** Full Year**Credit:** 1.0, 3 SUNY Oswego Credits**Final Assessment:** Written Final**Prerequisites:** Successful completion of German I, II & III.

**Description:** German IV focuses on introducing students to literature, film, and current topics in German, as well as build on the student's communication and understanding of spoken and written German. The course reinforces basic grammar taught in all three levels of German at Onondaga Central, also builds vocabulary through literature and film, as well as written assignments, introduces some new, more complex grammar concepts, and provides an opportunity to use the German language on a daily basis. This course earns students 3 college credits through SUNY Oswego and is taught over one academic year using the same textbook as the on-campus course. The final assessment is a written final.

**German V: Continuing Intermediate College German****Course Number:** 0404 (GER202)**Grade Level(s):** 11,12**Length:** Full Year**Credit:** 1.0, 3 SUNY Oswego Credits**Final Assessment:** Written Final & the New York State Seal of Biliteracy presentation**Prerequisites:** Successful completion of German IV.

**Description:** This course continues the usage of literature, film, and current topics to broaden the student's ability to communicate and talk on a wide variety of subjects in German. This course also provides further insight into the details of more advanced German grammar. This course offers a further 3 college credits through SUNY Oswego and lasts one academic year. The final assessment for German V will be an abbreviated written final and the New York State Seal of Biliteracy presentation.

**Introduction to Spanish**

**Course Number:** 0405

**Grade Level(s):** 8

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** Introduction to Spanish models the New York State curriculum aiming towards proficiency in the target language. This course introduces students to basic Spanish vocabulary and grammar. It focuses on communication, understanding, and appreciation for the Spanish language and culture.

**Spanish I**

**Course Number:** 0412

**Grade Level(s):** 9-12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Final Exam

**Prerequisites:** Introduction to Spanish.

**Description:** Spanish curriculum is aimed towards perfecting student's proficiency level and working towards fluency in the target language. This course reintroduces students to the basic and advanced Spanish vocabulary and grammar while strengthening and building confidence in speaking, reading, and writing expression. In the class, focus will be placed on communication skills, understanding, and appreciation for the Spanish language and culture.

**Spanish II**

**Course Number:** 0406

**Grade Level(s):** 9-12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Final Exam

**Prerequisites:** Successful completion of Spanish I.

**Description:** Spanish curriculum is aimed towards perfecting student's proficiency level and working towards fluency in the target language. This course reintroduces students to the basic and advanced Spanish vocabulary and grammar while strengthening and building confidence in speaking, reading, and written expression. In the class, focus will be placed on communication skills, understanding, and appreciation for the Spanish culture and language.

<b>Spanish III</b>		<b>Length:</b>	Full Year
<b>Course Number:</b>	0407	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	9-12	<b>Final Assessment:</b>	Final Exam

**Prerequisites:** Successful completion of Spanish I & II.

**Description:** This course is designed to act as a springboard into more advanced language study and is for those students working towards a higher command of the Spanish language. Students in Spanish III continue the progressive development of the four skills of communication: listening, comprehension, speaking, reading and writing. Special emphasis is placed on speaking and writing. Students are required to write essays and short stories in Spanish. Students create skits based on the topics discussed and act them out in class. Classroom dialogues, pair-drills, and role plays provide students with the opportunity to put their Spanish communication skills into practice.

<b>Spanish IV</b>		<b>Length:</b>	Full Year
<b>Course Number:</b>	0408	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	11,12	<b>Final Assessment:</b>	Final Exam

**Prerequisites:** Successful completion of Spanish I, II & III.

**Description:** Spanish curriculum is aimed towards perfecting student's proficiency level and working towards fluency in the target language. This course reintroduces students to the basic and advanced Spanish vocabulary and grammar while strengthening and building confidence in speaking, reading, and writing expression. In the class, focus will be placed on communication skills, understanding, and appreciation for the Spanish culture and language.

**Spanish V****Course Number:** 0410**Grade Level(s):** 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** New York State Seal  
of Biliteracy Presentation**Prerequisites:** Successful completion of Spanish IV

**Description:** The course will emphasize advanced communication and listening skills. Reading at an advanced level will consist of articles of varying topics and lengths and will stress comprehension. Writing skills will be enhanced to include personal narratives with emphasis on improved grammar, which will be an integral aspect of the course. Previously learned structures will be reviewed and reinforced, while advanced grammatical structures will be introduced for continued growth in the language. Students will add to their already extensive vocabulary bank with an emphasis on words necessary for improved communication skills leading to the New York State Seal of Biliteracy.



# BUSINESS

**Computer Science 7A, 7B**  
**Course Number:** 1671, 1672  
**Grade Level(s):** 7

**Length:** One Semester  
**Credit:** N/A  
**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** In this course, students will learn to use computer science as a medium for creativity, communication, problem solving and fun. Students will begin the year by learning how to use digital tools in order to create presentations, word documents, digital posters and other projects. Students will then learn how to develop a website using HTML, code in Javascript to design digital animations, and later build a physical computing device. Students will also discover how to print 3D objects and program Sphero robots. Along with creating authentic artifacts and learning new computer science skills, students will develop essential problem-solving, collaborative and critical thinking skills.

**Coding 8**  
**Course Number:** 1681  
**Grade Level:** 8

**Length:** One Semester  
**Credit:** N/A  
**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** In this course, students will learn to code with the Python coding platform. Codesters provides interactivity and lets students add sprites and animation so they can make engaging projects via the Codesters web based program. Codesters provides students with a unique Drag-to-Text Toolkit™, lowering the barrier to entry so they can effortlessly get started creating their own programs.

**Sports Marketing**  
**Course Number:** 0511  
**Grade Level(s):** 9-12

**Length:** One Semester  
**Credit:** 0.5  
**Final Assessment:** Project

**Prerequisites:** None

**Description:** Students will draft a fantasy sports team and then take on the role of a Marketing Specialist to start their own professional sports franchise team. This course gives students an opportunity to show their creativity from creating a team name and logo to designing VIP passes for their new stadium. Students will learn what it's like behind the scenes of professional sports!

**Personal Finance**

**Course Number:** 0513

**Grade Level(s):** 10-12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Project

**Prerequisites:** None

**Description:** This course introduces students to the world of money management and finance. Students will learn what to do with their money by learning about their financial options and responsibilities as well as the consequences of mismanaged funds.

**Accounting I**

**Course Number:** 0507

**Grade Level(s):** 11-12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Project

**Prerequisites:** None

**Description:** This course is designed to provide students with an understanding of double-entry accounting. The entire accounting cycle for a service business, organized as a proprietorship, and a merchandising business, organized as a partnership, will be covered along with an overview of accounting for a merchandising business organized as a corporation. Reinforcement activities will be used to integrate/apply their knowledge.

**Accounting II**

**Course Number:** 0522

**Grade Level(s):** 11-12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** Final Project

**Prerequisites:** Accounting I

**Description:** This course is designed to provide students with a more advanced understanding of double-entry accounting. This course will cover the complete accounting cycle for a merchandising business organized as a corporation. The fundamental principles of accounting will be reinforced, but the course will focus primarily on more advanced accounting concepts and procedures.

**Economics**

**Course Number:** 0106

**Grade Level(s):** 12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** Business Economics is a state mandated graduation requirement for 12<sup>th</sup> grade students. Economics is a social science that is concerned with the choices we make to utilize the resources available to us. Business Economics is a one-semester course in which students learn the fundamental concepts of micro-, macro-, and international economics and how each is applied to everyday life.

**Careers Today**

**Course Number:** 0116

**Grade Level(s):** 9-12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Final Project

**Prerequisites:** None

**Description:** This one-semester course will take students step-by-step through the process of researching a potential career that matches their personal strengths and values. Students will spend time in research, reflective writing, group discussions, and hands-on experiences including job shadowing, mock interviews, resume/cover letter creation, and hosting career speakers.

# ART

<b>Art 7</b>		<b>Length:</b>	One Semester
<b>Course Number:</b>	0671	<b>Credit:</b>	N/A
<b>Grade Level(s):</b>	7	<b>Final Assessment:</b>	Project Based

**Prerequisites:** None

**Description:** This course will serve as a more in depth introduction to the basic art skills that the students learned in their elementary art classes. The course is designed to help build art vocabulary and knowledge, as well as introducing the students to the possibilities of more advanced art creation. Creative problem solving will be encouraged. The class is built around building artistic skills and knowledge relating to the seven Elements of Design – line, shape, value, texture, form, space, and color. Media used will include drawing, painting, and three-dimensional art, with an emphasis on refining skills and craftsmanship.

<b>Art 8</b>		<b>Length:</b>	One Semester
<b>Course Number:</b>	0681	<b>Credit:</b>	N/A
<b>Grade Level(s):</b>	8	<b>Final Assessment:</b>	Project Based

**Prerequisites:** None

**Description:** This course will serve to build on the skills and knowledge taught in Art 7. Art vocabulary, art history, and art media skills will continue to be expanded on. Creative problem solving will be encouraged. There will still be a skills survey of drawing, painting, and three-dimensional art, with a focus on aiming to prepare the students for a year long course of art in high school. The class is built around building artistic skills and knowledge relating to the seven Elements of Design – line, shape, value, texture, form, space, and color. Media used will include drawing, painting, and three-dimensional art, with an emphasis on refining skills and craftsmanship.

<b>Basic Studio Art</b>		<b>Length:</b>	Full Year
<b>Course Number:</b>	0601	<b>Credit:</b>	1.0
<b>Grade Level(s):</b>	9-12	<b>Final Assessment:</b>	Project Based

**Prerequisites:** None

**Description:** This course is open to all students. The students will be introduced to the four components of art education: production, criticism, art history, and aesthetics. These components are not separate but are incorporated throughout. Students will continue to create art projects while acquiring the knowledge of criticism, history, and aesthetics. Various drawing and painting techniques will be explored through a wide variety of media. Three-dimensional design will be introduced and students will have a choice of materials to work with. Creative problem solving will be encouraged. Students will be expected to keep a sketchbook that will be graded throughout each marking period. *This course is required for all art majors and is a pre-requisite for the advanced courses.*

<b>Advanced Studio Art</b>	<b>Length:</b>	Full Year
<b>Course Number:</b> 0602	<b>Credit:</b>	1.0
<b>Grade Level(s):</b> 10-12	<b>Final Assessment:</b>	Project Based

**Prerequisites:** Successful completion of Basic Studio Art.

**Description:** Students will continue to explore art criticism, art history, and aesthetics through their studio experience. Drawing skills will be emphasized as well as composition and design. Figure drawing and portraiture will be studied. Three-dimensional design and sculpture, printmaking, and an introduction to acrylic and/or watercolor painting will also be included. Creative problem solving will be encouraged. Students will be expected to keep a sketchbook that will be graded throughout each marking period.

<b>Exploring Digital Photography</b>	<b>Length:</b>	One Semester
<b>Course Number:</b>	<b>Credit:</b>	0.5
<b>Grade Level(s):</b> 10-12	<b>Final Assessment:</b>	Project Based

**Prerequisites:** Successful completion of Basic Studio Art

**Description:** Exploring Digital Photography is a course that provides the opportunity to delve into the digital art world by applying the Elements and Principles of photography to take meaningful photographs, as well as an introduction to editing software. Examples of topics covered in class are the Elements and Principles of Photography, visual storytelling, famous photographers, photography genres, an introduction to Photoshop, composition, lighting and shadows, and the Rule of Thirds.

**Drawing and Painting****Course Number:** 0603**Grade Level(s):** 11-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Project Based

**Prerequisites:** Successful completion of Basic Studio Art and Advanced Studio Art.

**Description:** Students will continue to explore art criticism, art history, and aesthetics through their studio experience. Students will draw in various media as well as keep a sketchbook to develop references for their paintings, and sketchbook assignments will be graded throughout each marking period. Techniques in acrylics, tempera, and watercolors will be expanded upon as well as introduced. Creative problem solving will be encouraged.

**Art Portfolio****Course Number:** 0605**Grade Level(s):** 12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Project Based

**Prerequisites:** Successful completion of Basic Studio Art, Advanced Studio Art, and Drawing and Painting.

**Description:** Portfolio review and preparation will be handled, especially to help those who are applying to college for art. If a student is not applying to college for art, their portfolio will serve as a summary of their high school art sequence. The students will continue to work and study in an area of choice with approval of the instructor. Students will be expected to keep a sketchbook that will be graded throughout each marking period.

# TECHNOLOGY EDUCATION

## **Technology 7**

**Course Number:** 0771

**Grade Level(s):** 7

**Length:** One Semester

**Credit:** N/A

**Final Assessment:** None

**Prerequisites:** None

### **Description:**

This class is the first half of the one-unit course Introduction to Technology completed during the 7<sup>th</sup> and 8<sup>th</sup> grade years. In this class, students will learn about the problem solving process and how it applies to Technology. They will work individually and in groups to solve problems and find solutions to technological challenges. In addition to the problem solving process, students will also gain knowledge and experience in the areas of transportation, structures, and wood technology.

## **Technology 8**

**Course Number:** 0781

**Grade Level(s):** 8

**Length:** One Semester

**Credit:** N/A

**Final Assessment:** Project Based

**Prerequisites:** None

### **Description:**

This is a second part of the required Introduction to Technology syllabus which addresses additional generic technological concepts, focusing on technological processes, the methods that people can use to control them, technological career opportunities, and other personal and societal implications of technology. Applications of the computer related to information processing, process control and communications are integrated within student activities.

Major outcomes of this portion of the technology program would be an ability to synthesize and apply their new technological literacy to the solution of problems through the design, development, operation and maintenance of systems in each of the following technological areas: biotechnology, information/communications technology, and physical technology.

**Introduction to Engineering Design****Course Number:** 0706**Grade Level(s):** 9-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** In class Final Project**Prerequisites:** None

**Description:** Students will learn to apply the Engineering Design Process while using Math, Science, and Engineering principles to create solutions for design problems. They will work both individually and in teams to solve engineering problems using a 3-D modeling program called Inventor while also learning the language of technical drawing. This course satisfies the NYS Art and Music credit requirement.

**Manufacturing****Course Number:** 0709**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** None**Prerequisites:** Materials Processing

**Description:** This class focuses on the processes involved in manufacturing products. Students will learn about the tools and resources required in the manufacturing process, develop product ideas, and mass produce one or two chosen products by turning the technology lab into a manufacturing facility.

**Materials Processing: Wood****Course Number:** 0702**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** None**Prerequisites:** None

**Description:** This class focuses on the processes involved in working with materials to create products. Students will learn how to safely and effectively use the tools and equipment in the wood lab to create a project of their choosing. During this process they will learn about the various operations involved in processing materials as well as many basic techniques for designing and building furniture grade products.



**Materials Processing: Metals****Course Number:** 0700**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based**Prerequisites:** None

**Description:** General metal is the study of all aspects of metalworking; it is divided into two major areas: bench metals and production metals. Bench metal will familiarize the student with forming sheet and band metals including forging foundry and welding as well as different methods of fastening and finishing metals. Production metals explore the properties and characteristics of metals and their alloys and their application in design and production of industrial products. Emphasis is placed on careers in the metal industries. (Max. 15 students)

**Residential Structures****Course Number:** 0701**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** None**Prerequisites:** None

**Description:** This class focuses on teaching students how to build any residential structure (such as a house) from the ground up. Time in class will be spent discussing various building practices and methods, viewing demonstrations, and completing hands-on projects. The culminating activity for this class is a storage shed which will be designed, built and installed by the class as a whole.

**Introduction to Robotics****Course Number:** 0708**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based**Prerequisites:** None

**Description:** This 20-week course will provide students with entry-level exploratory experiences in the area of robotics. Using a variety of small robots, students will learn about robotic sensors, manipulators, and various other controls. In addition, students will learn about the history of robots, how robots are used in the home, in manufacturing, in transportation, in space, in medicine, and in the military. While completing the course of study, students will participate in hands on experiences using several model robots to reinforce the desired concepts. (Maximum 16 students)

**Small Engines****Course Number:** 0711**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based**Prerequisites:** None

**Description:** Small engines cover the basic operating principles of power machines. Practical applications of these principles will be performed by the students on small two and four cycle engines such as those in lawn mowers, snowmobiles, motorcycles, etc. The course will include maintenance, trouble shooting and overhaul of these engines. Occupational possibilities in the power industry will also be explored. (Maximum 15 students)

**Automotive Technology****Course Number:** 0714**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based**Prerequisites:** None

**Description:** This class focuses on providing students with the knowledge and skills required to properly maintain and repair an average automobile. Students will participate in discussions and watch demonstrations after which they will have the opportunity to gain experience in a broad range of automotive maintenance and repair topics.

**Advanced Automotive Technology****Course Number:** 0718**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based**Prerequisites:** Successful completion of Automotive Technology.

**Description:** This class builds off of the knowledge and skills obtained in Automotive Technology. Students will have the opportunity to learn about several more challenging automotive topics including suspension modification, major engine repairs, exhaust repairs, and minor body work. In addition to performing maintenance and minor repairs on customers' cars, we will also have a "project car" to allow students an opportunity for more hands-on experience.

**Automotive Special Projects****Course Number:** 0719**Grade Level(s):** 10-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Project Based

**Prerequisites:** Successful completion of Automotive Technology and Advanced Automotive Technology.

**Description:** This class builds off of the knowledge and skills obtained in Automotive Technology and Advanced Automotive Technology. Students will have the opportunity to work on advanced projects including engine swaps, body repair and modification, custom metal fabrication and automotive performance modifications.

**Drone Technology****Course Number:** 0325**Grade Level(s):** 10-12**Length:** One Semester**Credit:** 1 Credit**Final Assessment:** Final Project and FAA Remote Pilot Certification

**Prerequisites:** 11, 12 (seniors given priority)

**Description:** This course is a hands-on introduction to drone technology in which students will learn the fundamentals of UAS (Unmanned Aircraft Systems) from the ground up. Students will learn about system components, usage and deployment as well as learn to fly commercially deployed drone technology. Course material is geared towards students preparing to obtain a Remote Pilot Certificate under the FAA's Small UAS Rule (Part 107). This class is taught every day for one semester.

# MUSIC

## **Junior High Band**

**Course Number:** 0806

**Grade Level(s):** 7-8

**Length:** Full Year

**Credit:** N/A

**Final Assessment:** None

**Prerequisites:** 6<sup>th</sup> Grade Band

### **Description:**

The instrumental music program is open to students in grades seven through twelve who have previously had band experience (at least all of 6<sup>th</sup> grade). There are two bands: one for junior high and one for senior high. There is also a pep band and a jazz ensemble. Aside from regularly scheduled rehearsals, individual and group lessons are taught during the regular school day on a pullout-style rotating schedule, once per week. Emphasis is placed on developing and improving personal skills on individual instruments as well as ensemble playing. Written homework is not typically assigned, but practicing is expected on a regular basis. Also, students are required to perform with the band at various performances throughout the year (Concerts occur in December, March, and May).

## **Senior High Band**

**Course Number:** 0801

**Grade Level(s):** 9-12

**Length:** Full Year

**Credit:** 1.0

**Final Assessment:** None

**Prerequisites:** 2 years of 7-8<sup>th</sup> Grade Band

### **Description:**

The instrumental music program is open to students in grades seven through twelve who have previously had band experience (at least all of 6<sup>th</sup> grade). There are two bands: one for junior high and one for senior high. There is also a pep band and a jazz ensemble. Aside from regularly scheduled rehearsals, individual and group lessons are taught during the regular school day on a pullout-style rotating schedule, once per week. Emphasis is placed on developing and improving personal skills on individual instruments as well as ensemble playing. Written homework is not typically assigned, but practicing is expected on a regular basis. Also, students are required to perform with the band at various performances throughout the year (Concerts occur in December, March, and May).

<b>Music 7</b>	<b>Length:</b> Full Year (A or B Days)
<b>Course Number:</b> 0871	<b>Credit:</b> N/A
<b>Grade Level(s):</b> 7	<b>Final Assessment:</b> None

**Prerequisites:** None

**Description:** New York State requires all students receive a semester of music in 7<sup>th</sup> grade. 7<sup>th</sup> grade General Music meets every other day, and covers various topics ranging from music theory to music history.

<b>Junior High Chorus</b>	<b>Length:</b> Full Year (A or B Days)
<b>Course Number:</b> 0874	<b>Credit:</b> N/A
<b>Grade Level(s):</b> 7 & 8	<b>Final Assessment:</b> None

**Prerequisite:** None

**Description:** Chorus is a curricular academic performing arts course. Chorus students study and perform a variety of musical styles from Classical to Popular. Grading in this performing arts course is based on performances, attitude, effort, and attendance. This course fulfills the New York State Art/Music credit requirements. This class includes both 7<sup>th</sup> and 8<sup>th</sup> graders and meets every other day.

<b>Senior High Chorus</b>	<b>Length:</b> Full Year
<b>Course Number:</b> 0803	<b>Credit:</b> 1.0
<b>Grade Level(s):</b> 9-12	<b>Final Assessment:</b> None

**Prerequisite:** None

**Description:** Chorus is a curricular academic performing arts course. Chorus students study and perform a variety of musical styles from Classical to Popular. Grading in this performing arts course is based on performances, attitude, effort, and attendance. This course fulfills the New York State Art/Music credit requirement needed for high school graduation.

**Music Appreciation****Course Number:****Grade Level(s):** 9-12**Length:** Full Year**Credit:** 1.0**Final Assessment:** Cumulative Final Grade**Prerequisite:** None

**Description:** Music Appreciation introduces students to the discipline of music through listening, discussion, presentations, and analysis of popular music and movies. The course also traces the historical development of music along with fundamental aspects of its writing, performance, recording, & production.

# HEALTH AND FIRST AID

## **Health 7**

**Course Number:** 1071

**Grade Level(s):** 7

**Length:** One Semester

**Credit:** N/A

**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** Health 7 will discuss lifestyle choices including diet, exercise, and risk behaviors that are a major influence on health. The Health 7 course will play an important role in reinforcing the positive behaviors that can prevent illness and injury and promote a healthy life. Health Education also has an important role in teaching detrimental effects of risky behavior.

## **Health**

**Course Number:** 1001

**Grade Level(s):** 10-12

**Length:** One Semester

**Credit:** 0.5

**Final Assessment:** Final Exam

**Prerequisites:** None

**Description:** This course focuses on increasing each student's knowledge about the physical, social, emotional and intellectual aspects of health and wellness. Students will identify and practice critical thinking, decision making, problem solving, and communication skills to enhance their ability to take responsibility for their own health. They will gain the ability to identify and resist destructive behaviors and develop strategies for health promotion. Students will learn how their decisions and the consequences of their decisions affect their health. They will evaluate decisions and predict outcomes as well as identify those decisions most likely to have a favorable impact on personal, family and community health. Students will evaluate health information and learn to access resources to promote their character development, self-advocacy skills and personal wellness.

**First Aid/Responding to Emergencies****Course Number:** 1002 (HFA203)**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5, 2 OCC Credits**Final Assessment:** Performance  
Evaluation**Prerequisites:** None

**Description:** Approved American Red Cross course. The First Aid/CPR/AED Program is a first aid, cardiopulmonary resuscitation (CPR) and automated external defibrillator (AED) training program to prepare individuals to respond to injuries and sudden illnesses that may arise at home, school or in the workplace.

**Human Performance****Course Number:** 1003**Grade Level(s):** 9-12**Length:** One Semester**Credit:** 0.5**Final Assessment:** Final Project**Prerequisites:** None

**Description:** General overview of human anatomy and physiology with an emphasis on sports movement, sports medicine, athletic training, nutrition and first aid.



# PHYSICAL EDUCATION

<b>Physical Education</b>	<b>Length:</b> Full Year (A or B Days)
<b>Course Number:</b> 1116, 1117, 1118, 1119	<b>Credit:</b> N/A
<b>Grade Level(s):</b> 7-8	<b>Final Assessment:</b> None

**Prerequisites:** None

**Description:** The objectives of this course are to develop and practice fundamental skills as well as participate in individual and team activities. This objective will encourage students to participate in physical activities throughout life. Furthermore, cognitive knowledge of specific techniques, team play, history of the sport, and rules will be presented. An additional objective of this course is to develop positive attitudes, positive sportsmanship, and courtesy to class members to enable maximum enjoyment and safety of physical activities.

<b>Physical Education</b>	<b>Length:</b> Full Year (A or B Days)
<b>Course Number:</b> 1111 (Boys), 1113 (Girls)	<b>Credit:</b> 0.5
<b>Grade Level(s):</b> 9-12	<b>Final Assessment:</b> None

**Prerequisites:** None

**Description:** The objectives of this course are to develop and maintain previously learned skills and movement patterns. Students will utilize their skills and ability in a variety of game situations. Cognitive knowledge of game rules and regulations will be reviewed and tested. This course is a culmination of the student's physical education career at Onondaga Central and will allow students to transfer previously learned sport-specific movements into a game setting. The goal of this course is to make each student proficient in his or her own movements and self-awareness while developing a base line cognitive knowledge of a variety of activities. With this increase in knowledge and movement we hope to encourage lifelong physical activity in each of our students.

# BOCES

## **BOCES AM**

**Course Number:** 1701

**Grade Level(s):** 12

**Length:** Full Year

**Credit:** 3.0

## **BOCES PM**

**Course Number:** 1702

**Grade Level(s):** 11

**Length:** Full Year

**Credit:** 3.0

**Prerequisites:** Successful completion of the following courses:

- 2 years of English
- 2 years of social studies
- 2 years of mathematics
- 2 years of science
- 2 years of physical education
- 1 year of fine arts
- 1 LOTE unit

**Description:** BOCES is an occupational education program which is offered to juniors and seniors at Onondaga Central School. The program is designed to teach students job skills. Students who are considering this program are encouraged to visit BOCES prior to their junior year to learn more about the programs. This is especially important as half the school day (a.m. or p.m.) is spent at BOCES. Listed below are the programs currently offered by BOCES. A detailed explanation of the courses, their content and requirements is available through school counselors.

- Auto Collision Technology
- Auto Technology
- Auto Tech @ Driver's Village
- Career Development
- Computer Technology
- Construction Technology
- Cosmetology
- Culinary Arts
- Early Childhood Education
- Health Occupations
- Heavy Equipment
- Laboratory Technician
- Media Marketing
- Physical Therapy
- Welding

# NEW VISION

## **NEW VISION**

**Course Number:** as per program

**Grade Level(s):** 12

**Length:** Full Year

**Credit:** 5.0

**Final Assessment:** as per program

New Vision is an exciting approach to program delivery for eligible high school seniors. It provides an in-depth overview of a chosen professional field by placing the student into an actual work environment. New Vision successfully integrates English and Social Studies into a meaningful curriculum based on one of three (3) course offerings. It provides a sense of closure to the senior year and a directed transition to the next step of professional development.

**Enrollment in the New Vision Program is competitive and a separate application process is required.**

### **Courses Offered**

- **Medical Professions**
- **Criminal Justice**
- **Engineering**

### **Student Eligibility Requirements**

The New Vision student must:

1. Be a senior from an OCM BOCES component district.
2. Have demonstrated an interest and desire to learn about the career area and intend to pursue studies at the college level.
3. Be academically sound and have met graduation requirements prior to acceptance into the program. In some cases, a student is permitted to complete additional requirements while participating in New Vision.
4. Exhibit a high level of responsibility and maturity with the ability to work in a team, as well as independently. The New Vision student represents the home school, OCM BOCES, and the sponsoring agency as well.
5. Be conscientious and highly motivated to succeed.
6. Enrollment in the New Vision Program is competitive and a separate application process is required.

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