

MESSAGE FROM THE PRINCIPAL

This curriculum guide provides a starting point for high school planning. It lists the requirements for graduation and gives a brief description of each course offered. It is our purpose to offer a sufficient number and variety of courses so that your needs, interests and abilities can be fulfilled.

Read the guide carefully. Think about and discuss course selections with your parents, counselor and teachers. Make your choices and be responsible for your decision.

With determination and effort you will place yourself in a position to take full advantage of the many opportunities that will be available to you. Owego Free academy will offer you every opportunity to develop to the maximum of your potential.

Mr. Ronald M. Pierce

Mr. Ronald M. Pierce
Principal

MESSAGE FROM OFA COUNSELORS

Parents and Students:

The education of a student is a responsibility shared by parents, their child and the school. It is important for students and their parents to be fully informed about requirements for graduation and the courses available to high school students at Owego Free Academy.

We expect that this publication will be helpful as we work together to develop an appropriate academic program for each student. Please review all the information provided throughout the Course Description Guide. Your counselor is available to answer questions about the programming process as well as what might be required to achieve your educational and career goals. Please feel free to contact us should you have any questions.

Thank you for taking an active part in your child's education.

Mrs. Kim Kahne H-Q

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OWEGO FREE ACADEMY

COURSE GUIDE 2007 – 2008

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NOTE:

Your teachers, counselor, and administrators are very willing to assist you in the process of choosing courses for next year and planning a program which will meet diploma requirements.

It is our hope to offer all the classes listed and described in this booklet. In the event that enrollment does not meet minimum class size requirements, the course will not be taught and students will be encouraged to enroll in another course. **Students are required to be scheduled for a minimum of 5.5 units each year.**

OWEGO APALACHIN SCHOOL DISTRICT

Owego Free Academy

2006-2007

CEEB CODE 334375

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Owego, NY 13732

(607) 687- 6233

THE SCHOOL

Owego Free Academy is a comprehensive public high school of 800 students encompassing grades 9-12. It is accredited by the New York State Department of Education and the Middle States Association. Class periods are forty-two (42) minutes in length with classes meeting five times per week, 40 weeks per year.

PHILOSOPHY

The Owego Apalachin Central School District is committed to a mission that is to challenge students, within a caring environment, to become confident, competent, contributing citizens with a lifetime thirst for learning. To this end, the district has embraced a vision that calls for success for all students. The district has a comprehensive high school (Owego Free Academy) program, supported by the Owego Apalachin Middle School and Apalachin and Owego Elementary Schools. A staff of over 400 individuals supports the district's mission and vision.

THE COMMUNITY

Owego is located in eastern Tioga county on the banks of the Susquehanna River. It is a rural-urban area where agriculture and high technology make up the economic composite of the school district. It is an area that is rich in tradition and history. The village of Owego serves as the county seat and has a wide range of cultural, musical and artist opportunities available. Owego is located within thirty miles of six colleges and universities, thus providing students with excellent opportunities for concurrent programs of study.

GRADING SYSTEM

Owego Free Academy uses a numeric grading system with 65 as passing average in all subjects.

SPECIAL PROGRAMS

Honors courses are offered in English and Social Studies. Advanced Placement (AP) courses are offered in English, US History, Biology, and Chemistry. College credit bearing courses are offered in English, Social Studies, Math, Foreign Language and Technology. The colleges offering dual-credits are Broome Community College, Syracuse University, and Tompkins-Cortland Community College. Project Lead the Way is a sequence of Technology courses which can earn students college credits through the Rochester Institute of Technology.

OFA CLASS PROFILE

CLASS OF 2006

STATISTICS AT A GLANCE

Graduating Students.....182
Students Pursuing Further Education
Four-Year Colleges.....31%
Two-Year Colleges.....52%

Additional Statistical Information
4 Seniors entered the U.S. Military
62 Seniors were awarded NYS Regents Diplomas
with Advanced Designation
71 Seniors were awarded NYS Regents Diplomas
18 Seniors were awarded NYS Advanced Regents
Diploma with Honors
3 Seniors were awarded NYS Regents Diploma with
Honors

GRADUATION REQUIREMENTS

New York State offers two accredited diplomas, Regents and Advanced designation of Regents. For both, requirements include demonstrations of competencies in Reading, Writing, Mathematics, Science, Global Studies, United States History and Government, and Language other than English.

In addition, students must earn 22.0 academic units.
These are broken down into the following areas:

English-----4 units
Social Studies----4 units
Mathematics-----3 units
Science-----3 units
LOTE----- 1 unit/3 units
Art/Music-----1 unit
Health-----.5 unit
Phys. Ed ----- 2 units
Elective----- 1.5 to 3.5 units

REPORT CARDS

Report cards are issued four times during the year. The grade shown on the card at the end of each report period is the student's grade for that marking period only and is a reflection of both class work and tests. OFA uses a numeric grading system with 65 as the passing average in all subjects. The final course average is the combination of the class average for the year (4/5) and the final exam (1/5). The report card shows the final examination mark and final course average in each course.

SCHOLASTIC APTITUDE TEST

SCORES 2005-2006

Verbal Mean	Math Mean:	Writing Mean:
OFA 506	OFA 530	OFA 489
NYS 493	NYS 510	NYS 483
National 503	National 518	National 518

NATIONAL MERIT SCHOLARSHIP PROGRAM

Letters of Commendation.....0

AMERICAN COLLEGE TESTING

Composite Score 2005-2006:

OFA 20.8 NYS: 22.6 National: 21.1

COURSE OF STUDY

College Courses AP Courses Honors Courses

College English	English Lit.	English 9,10,11
Psychology	US History	Social St.9,10,11
Sociology	Chemistry	
Women in History	Biology	
US History		
Calculus		
Math 12		
Spanish II, III, IV, V		
French II, III, IV, V		
Project Lead the Way		
Intro to Eng. Design (IED)		
Digital Electronics		
Computer Integrated Manufacturing (CIM)		
Principles of Engineering (POE)		
Civil Engineering & Architecture		

GRADING SYSTEM

A numeric system is used with a range from 0 to 100.
The minimum passing grade is 65%.

A= 90-100
B= 80-89
C= 70-79
D= 65-69
F= below 65

GUIDANCE Events

CAREER EXPLORATION OPPORTUNITIES (Grades 9-12)

Students are offered several opportunities to investigate a variety of careers.

- **CHOICES** (Grades 9-12)– A computer software program designed primarily to assist students in learning about themselves and the world of work. With the help of CHOICES students work with assessment, researching careers, reviewing post secondary options, and building a portfolio.
- **BOCES ORIENTATION VISITS** (Grade 10) - During March, 10th grade students who have indicated an interest in a BOCES Occupational Education are given the opportunity to visit the area occupational center. The students spend time observing classes in their area of interest to assist in selecting the program the student will participate in.
- **CAREER EXPO** (Grade 10) - Career Expo is a career exploration program jointly sponsored by the Broome Tioga Counselors Association and the School to Careers Partnership. Sophomore students meet with experts from over forty different occupational fields in a classroom setting on the Binghamton University campus. The students have an opportunity to ask questions and to gather information about future career areas.
- **COLLEGE INFORMATION DAY** (Grade 11) - The mission of College Day is to provide college information and guidance to students and their families as they make plans for post-secondary education. Students can talk first hand to college admissions personnel from over 200 different institutions of higher and specialized learning. This event, scheduled in October and held at the Arena, is a joint effort of the Broome Tioga Counselors Association and the Binghamton City School District.

COLLEGE ENTRANCE EXAMS

- **PSAT/NMSQT** (Grade 11) - The Preliminary Scholastic Aptitude Test / National Merit Scholarship Qualifying Test is a multiple choice test that measures developed critical reading, mathematical reasoning abilities and writing skills important for academic performance in college. It assesses ability to reason with facts and concepts rather than the ability to recall and recite them. The PSAT/NMSQT aids high schools in the early guidance of student planning for college and serves as the qualifying test for scholarships awarded by the National Merit Scholarship Corporation. The PSAT/NMSQT is scheduled on a Saturday in October of the Junior year.
- **ACT / SAT I / SAT II** (Grade 11 – 12) - Juniors planning on furthering their education are encouraged to take these exams during the spring of their Junior year. Students should check in the guidance office for information and applications for ACT/SAT I/SAT II exams. Note the registration deadlines to avoid late fees. Both ACT & SAT registration is encouraged to be done online at the respective websites. Testing sites are listed in the application booklets. OFA is a testing site for November, January, May and June SATs. OFA is a testing site for the December and April ACT exam.

EVENING PROGRAMS

- **8th Grade High School Orientation** – An evening program is held at OFA to assist 8th grade students and parents with the transition from middle school to high school. This program is presented by the 6-12 Counseling Department. (Scheduled in January)
- **SOPHOMORE/PARENT PLANNING NIGHT** – This evening session is the second of several informational programs. The focus of this meeting is to provide the foundation for post secondary planning. (Scheduled in March/April)
- **JUNIOR/PARENT COLLEGE INFORMATION NIGHT** (Grade 11) - A program designed for juniors and their parents regarding all aspects of the college admissions process. Admission directors from local colleges and universities will be available to answer any questions. (Scheduled in March)
- **SENIOR “SURVIVAL” NIGHT** - The purpose of this program is to review the timeline and processes of the senior year. (Scheduled in September)
- **FINANCIAL AID NIGHT** (Grade 12) - A program for parents and seniors regarding the process of filing the financial aid forms, either FAFSA and/or CSS Profile. All parents and students seeking financial aid for college are encouraged to attend. (Scheduled in January)

CLASS STATUS

1. **A Freshman** must have completed a program of education through 8th grade and be enrolled at Owego Free Academy.
2. **A Sophomore** is a student who has earned 4½ units of credit, including 1 unit of English and 1 unit of Social Studies, plus ½ unit of Physical Education.
3. **A Junior** is a student who has earned 10 units of credit, including 2 units of English and 2 units of Social Studies, 3 units of Math & Science, plus 1 unit of Physical Education.
4. **A Senior** is a student who has earned 15½ units of credit, including 3 units of English and 3 units of Social Studies, plus 1½ units of Physical Education, or plans to graduate after three years of high school enrollment and has followed district guidelines for early graduation. Students who could complete high school graduation requirements by August may petition the principal to be granted senior status (deadline October 1st of that year)

Graduation Requirements for the Class of 2005 and thereafter

LOCAL DIPLOMA		REGENTS DIPLOMA		ADV. DESIGNATION	
Content Area	Credits	Content Area	Credits	Content Area	Credits
English	4	English	4	English	4
Social Studies	4	Social Studies	4	Social Studies	4
Math	3	Math	3	Math	3
Science	3	Science	3	Science	3
LOTE	1*	LOTE	1*	LOTE	3
Art/Music	1	Art/Music	1	Art/Music	1
Health	0.5	Health	0.5	Health	0.5
Physical Education	2	Physical Education	2	Physical Education	2
Electives	3.5	Electives	3.5	Electives	1.5
Total:	22.0	Total:	22.0	Total:	22.0

Note:

*One unit of credit is earned by passing the state LOTE proficiency exam or earning a unit of high school level credit in LOTE.

Required Regents Exams for Class of 2007 & 2008

LOCAL DIPLOMA (PASSING SCORE OF 55-64)	REGENTS DIPLOMA (PASSING SCORE OF 65 AND ABOVE)	ADV. DESIGNATION (PASSING SCORE OF 65 AND ABOVE)
English Language Arts	English Language Arts	English Language Arts
Math A	Math A	Math A and Math B
Global History & Geog.	Global History & Geog.	Global History & Geog.
US History & Gov.	US History & Gov.	US History & Gov.
Science Exam	Science Exam	2 Science Exams (1 Life Science & 1 from Physical Science)
		Foreign Language Exam

Required Regents Exams for Class of 2009 - 2012

Year of Graduating Class	LOCAL DIPLOMA	REGENTS DIPLOMA	ADV. DESIGNATION
2009	Score 65 or above on 2 required Regents exams and score 55 or above on 3 required Regents exams. Earn 22 units of credit.	Score 65 or above on 5 required Regents exams. Earn 22 units of credit	Score 65 or above on 8 required Regents exams. Earn 22 units of credit
2010	Score 65 or above on 3 required Regents exams and score 55 or above on 2 required Regents exams. Earn 22 units of credit.	Score 65 or above on 5 required Regents exams. Earn 22 units of credit	Score 65 or above on 8 required Regents exams. Earn 22 units of credit
2011	Score 65 or above on 4 required Regents exams and score 55 or above on 1 required Regents exams. Earn 22 units of credit.	Score 65 or above on 5 required Regents exams. Earn 22 units of credit	Score 65 or above on 8 required Regents exams. Earn 22 units of credit
2012		Score 65 or above on 5 required Regents exams. Earn 22 units of credit	Score 65 or above on 8 required Regents exams. Earn 22 units of credit

SCHEDULE PLANNING

PLANNING YOUR SCHEDULE

Each student is expected to schedule a minimum of five academic classes per semester plus physical education. Schedules calling for fewer than five subjects can be approved only if special circumstances make the normal five subject load inadvisable.

PLANNING CHECKLIST

As you plan your schedule for this school year, it will be helpful if you will follow this checklist when completing the tentative program worksheet in this course guide.

1. You must take an English course each year of high school.
2. You must take a Social Studies each year of high school.
3. Have you met the mathematics and science requirements?
4. Have you met the health requirement? If not, determine how and when you plan to meet it.
5. Have you met the art/music requirements? If not determine how and when you plan to meet them.
6. You will be automatically scheduled into the required physical education class unless a physical condition makes it necessary for you to be excused from physical education. If such a condition exists, a doctor's certification is required. Secure the necessary form from the Health Office to be completed by your doctor.
7. If you are seeking an Advanced Designation Regents Diploma, have you taken the necessary subjects? If not, what subjects & regents exams are still needed? Please consult with your counselor if you have any questions regarding your requirements.
8. If you are seeking a Regents Diploma, have you taken or are you planning to take the courses which offer the required Regents Examination and have you signed up for the required second language course?
9. If there is room in your schedule, you should consider additional electives. Using your Student Selection Form, list the electives by priority: i.e., Your first choice, Number 1, your second choice, Number 2, etc.

DEFINITIONS

Constant – Constants are subjects required of all students before graduation.

Elective – An elective is a subject that you may choose to take because you are particularly interested in its content. It may or may not be related to your major sequence.

Prerequisite – A prerequisite subject is one that is required before a more advanced course can be taken in the same field. (For example, French I is a prerequisite to French II.) Prerequisites are shown as part of the course description for all courses.

Regents – A Regents program follows the course of study developed by the New York State Education Department. Certain final examinations are state-wide and are prepared by the State Education Department for administration at prescribed times.

Sequence – A sequence consists of 3-5 units in one field of knowledge: e.g., Math, Science, Occupational Education, Art, Music, Second Language.

Unit – One unit of credit is earned for a passing grade in each subject taken for a full year. If a subject is taken for only half the school year, one-half of a unit is earned. A unit of study means at least 180 minutes of instruction per week throughout the school year, or the equivalent.

Owego Free Academy

4 – YEAR EDUCATIONAL PLAN WORKSHEET

Name _____

Class of _____

TENTATIVE TYPE OF DIPLOMA

____ NYS ADVANCED REGENTS DIPLOMA

____ NYS REGENTS DIPLOMA

____ LOCAL DIPLOMA

GRADE 9	CREDIT
ENGLISH	1
GLOBAL HIST. & GEOG. I	1
MATH	1
SCIENCE	1
FOREIGN LANGUAGE	1
ART / MUSIC / TECH.	1
PHYSICAL EDUCATION	½
Elective: _____	_____

GRADE 10	CREDIT
ENGLISH	1
GLOBAL HIST. & GEOG. II	1
MATH	1
SCIENCE	1
FOREIGN LANGUAGE	1
HEALTH	½
PHYSICAL EDUCATION	½
Elective: _____	_____
Elective: _____	_____

Total Credits _____

Total Credits _____

GRADE 11	CREDIT
ENGLISH	1
US HISTORY & GOV'T	1
MATH	1
SCIENCE	1
PHYSICAL EDUCATION	½
Elective: _____	_____
Elective: _____	_____
Elective: _____	_____

GRADE 12	CREDIT
ENGLISH	1
ECONOMICS	½
PARTICIPATION IN GOV'T	½
PHYSICAL EDUCATION	½
Elective: _____	_____
Elective: _____	_____
Elective: _____	_____
Elective: _____	_____

Total Credits _____

Total Credits _____

Students are required to be scheduled for 5.5.units each year.

COURSE SELECTION CHECKLIST

English

- English 9
- English 9A
- English 10
- English 10A
- English 11
- English 11A
- English 12
- Contemporary Issues
- Modern Literature
- College English
- AP English Lit. & Comp.

Social Studies

- Global Hist. & Geo. I
- Global Hist. & Geo. IA
- Global Hist. & Geo. II
- Global Hist. & Geo. IIA
- US Hist. & Gov.
- AP US History
- AP Human Geography
- Economics
- Participation in Gov.(PIG)
- Psychology
- Sociology
- Women in US History

Mathematics

- Math 9A
- Math 10A
- Math 10B
- Math 11B
- Adv. Algebra/Trig.
- Math 12
- College Calculus

Science

- Earth Science
- Living Environment
- Chemistry
- Physics
- AP Biology
- Marine Biology
- Astronomy
- Forensics

Foreign Language/LOTE

- French II
- French III
- French IV
- French V

LOTE cont'd

- Spanish I
- Spanish II
- Spanish III
- Spanish IV
- Spanish V

Technology

- Intro. To Eng. Design (IED)
- Digital Computer Elec.
- Principles of Eng. (POE)
- Computer Inte. Mfg. (CIM)
- Communications Sys/Comp. Appl.
- Production Systems
- Transportation Systems
- Wood Technology
- Technical Drawing
- Architectural Drawing
- Civil Eng. & Arch. (CEA)
- Intro to C++

Business & Career

- Career & Financial Mgmt
- Communication Sys/Comp. Appl.
- Keyboarding
- Accounting I
- Marketing/Advertising
- Business Law

Physical Education

- Health/Wellness
- Physical Education

Art

- Art Exploration
- Studio in Art
- Drawing & Painting
- Drawing 2
- Painting 2
- Advertising Design
- 3D Design
- Ceramics & Sculpture
- Printmaking
- Adv. Studio in Art 12
- Photography

Music

- Concert Band
- Jazz Band
- Jazz Band II
- Women's Chorus
- Concert Chorus
- Chamber Singers
- Music Theory I
- Music Theory II
- Music In Our Lives
- American Musical Theater

BOCES Occupational Ed. (Grades 11-12)

- Animal Science I / II
- Auto Body Repair I / II
- Auto Mechanic I / II
- Heavy Equip. Repair & Operation I / II (HERO)
- Outdoor Power Equip.
- Motorcycles
- Masonry I / II
- Carpentry I / II
- Plumbing/Heating I / II
- Electricity I / II
- Computer Careers I / II
- Retail Careers I / II
- Video Production I / II
- Health Occupations I / II
- Computer Aided Design I/II
- Computer Repair Tech. I/II
- Industrial Welding I / II
- Precision CMT I / II
- Culinary Arts I / II
- Cosmetology I / SS / II
- Early Childhood Ed. I / II
- Criminal Justice/Security I / II
- Hotel & Restaurant Mgmt. I / II

HONOR ROLL

HONOR ROLL REQUIREMENTS

The Honor Roll is a computer-generated list based on the quarterly average of all numerically graded courses.

- A. Those courses which report grades once a semester are included in the average in the quarters they are reported.
- B. The Honor Roll is divided into Honors and High Honors levels.
The Honors level includes averages equal to or greater than 85.00 but less than 92.00
The High Honors category includes averages equal to or greater than 92.00.
- C. In computing averages and establishing the Honor Roll:
There is no discrimination between advanced, regents, and local level courses.
Band and Choir courses are weighted at .5.
Physical Education courses are weighted at .5.
Any incomplete or failing grade causes disqualification.

Only full-time students are eligible.

For purposes of Honor Roll, a full-time student is defined as any student enrolled in 5.5 units,

(or)

Enrolled in a school supervised cooperative program and 2 units,

(or)

An Honors Panel appointed by the Principal deals with any appeals or exceptions.

The Honor Roll is posted and published quarterly as an alphabetical listing by class of those students who qualify at each level.

RANKING/GRADE POINT AVERAGE (GPA)

GPA and Ranking shall be computed at the following times for juniors and seniors:

Juniors: at mid-year and end of the junior year

Seniors: at mid-year and, for the final rank, at the end of the 3rd marking period of the senior year.

All courses a student takes shall be included in determining the student's grade point average and rank.

Advanced Placement Courses

OFA recognizes that the Advanced Placement (AP) program is an honors program. The intent of the program is to provide students with a rigorous academic experience equal to that offered in the first year of a college experience. Teachers, students, parents and administrators must all work together to ensure that the AP program meets the goal of preparing students at the college level of study. Success in the AP program is measured by not only being successful in the classroom, but by successfully taking the AP exam. All students are required to take the AP exam for the course they are enrolled in for that year.

It is recognized that the increased work load associated with AP courses demands more of the student's efforts. Therefore, a maximum of three AP courses may be taken in a school year, unless prior approval is gained from the AP Committee.

Prerequisites: All students seeking entrance to AP courses must meet the following requirements.

- An 85 cumulative average for the course immediately preceding the AP course in the sequence determined by the department. This average must include an 85 on the Regents exam or similar test for the preceding course.
- A recommendation for placement by a member of the department offering the AP course.
- Completion of all summer assignments preceding the start of classes in September. Students new to the district will be handled by their guidance counselor in this regard after consultation with the teacher.
- Individual courses may have restrictions which must be met by the student. Example: AP Art requires three prerequisite courses for entry: Studio in Art, Drawing & Painting and an art elective.
- All students must complete the AP course application before he/she will be admitted to the course.

Performance Requirements: In order to stay in any AP course students must maintain an 85 average. Students who fall below this grade will be removed from the course. The following procedures will determine continued enrollment in the course.

- After 5 weeks: all students below 85 will be counseled, a call will be made to the parents/guardians regarding the student's average and the guidance counselor will be informed by the teacher of the student's grade.
- After 10 weeks: all students below a 75 average will be dropped from the course. The teacher will meet with the student, call the parents and notify the guidance counselor to make the change.
- After 10 weeks: all students between 75 and 84 will be on academic probation. The teacher will meet with the students to develop a plan to raise the student's grade, the teacher will call the parents/guardians to discuss whether the student is best served by remaining in the class and to explain the plan developed with the student, and the teacher will meet with guidance counselor to discuss the continuation of the student in the course.
- After 15 weeks: all students below an 85 cumulative average will go through the same procedure. Students and parents will be encouraged to have a frank discussion regarding what is in the best interest of the student at that time.

- After 20 weeks: all students below an 85 cumulative average will be dropped from the course. Teachers will meet with the student to discuss the reasons for being dropped from the course, will call the parents/guardians to explain the reasons for the drop and will meet with the guidance counselor to arrange the schedule change. Students will be transferred to an equivalent course, if possible. Students without an equivalent course will be assigned to a study hall or an elective course.

It is recognized that success in AP courses is dependent on a rigorous program throughout the high school years. Therefore, all of the above criteria for the AP program should apply to the “A” sections in any department for incoming 9th graders and incoming 10th graders.

Courses offered at Owego Free Academy are listed with a brief synopsis of the curriculum. The unit credit is one unless indicated by (½). The courses are intended for the year (grade) indicated. Special permission must be obtained if the course is to be taken another year.

ART

Art Exploration

1 credit

In this course the students will explore several art disciplines. Topics will include two and three dimensional art experiences, art movements and styles of the 20th century and the principles of design: movement, balance, emphasis, repetition, harmony and unity. Students will also be introduced to creative crafts. This will include the study of historical use of craft for utilitarian purposes, such as bookbinding, macramé, and create functional artwork in a variety of media.

STUDIO IN ART

1 credit

This is the first course for Art Majors, and the prerequisite course for a sequence in art. Only serious art students should take this intensive basic course. Instruction includes a minimum of 20 weeks of basic drawing skills and the fundamentals of art. Students will explore principles of design, elements of art, and color theory. Sketchbooks will be developed and homework will be assigned.

DRAWING AND PAINTING

1 credit (Grade 10-12)

This full year course exposes the student to a variety of drawing materials and techniques. Skills are developed in drawing objects, portraits, figures, architecture, landscapes, and still lives. Instruction continues with application of drawing techniques relating to painting skills and the use of color. Painting media on a variety of surfaces includes pastels, opaque and translucent watercolor, and acrylics. Historical sequence of various painting movements and artists are studied. Sketchbook is required for homework assignments. (*Prerequisite – Studio in Art*)

Drawing 2

½ Credit (Grade 11 & 12)

This half year course will continue to expand and expose students to a variety of drawing media and subject matter. Students will continue to learn how to use composition and space using different approaches to represent form and space, such as rendering, gesture, painterly, expressionistic, stylized, or abstract form. Content will be derived from observation, an expressionistic view point, social commentary and/or political statements. (*Prerequisite – Studio in Art, Drawing & Painting*)

Painting 2

½ Credit

This half year course will continue your journey into painting. You will be presented painting exercises along with related drawings, discussions, and journal writing exercises. Together they will help teach you not only how to paint, but how to decide what you want to say in a painting and how to respond analytically to your work while it is being created. (*Prerequisite – Studio in Art, Drawing & Painting*)

ADVERTISING DESIGN

½ credit (Grade 11-12)

This course applies the principles of Studio in Art to advertising, fashion, typography, illustration and display arts. Emphasis is placed on lettering, drawing for reproduction, idea development, package design, poster design, and advertising layout. (*Prerequisite – Studio in Art, Drawing & Painting*)

3-D DESIGN

Ceramics and Sculpture

1 credit (Grade 11-12)

This full year class will explore two areas of concentration. Ceramics will explore a wide variety of experiences in hand building techniques. Emphasis will be placed on functional as well as nonfunctional pottery. Glazing, surface treatment and kiln firing will be covered.

Sculpture will continue the adventure as you learn and work in 3-dimensional space. Techniques include carving, modeling, assemblage and bas-relief. Art history and Synectics (creative thinking skills) will be used throughout the course. Materials used include clay, plaster, found objects, wire, wood, and sometimes stone. Sketchbook is required and any additional supplies you may need that are not available in the classroom. (*Prerequisite – Studio in Art*)

ADVANCED STUDIO ART 12

1 credit (Grade 12)

This course is for Senior Art majors who plan to pursue a career in art. It is intended to offer the student a college level art curriculum in the high school environment. It is an intensive, rigorous program and requires more time than traditional offerings. A variety of successfully completed art classes will be an advantage. Advanced Studio Art will be offered only 1 period everyday this year. Emphasis will be placed on elements and principles of art and how they apply to drawing, painting, design, and three dimensional projects. Portfolio preparation will be offered at this time for students that need slides or CD's for admissions. (*Prerequisite – Studio in Art & 2 additional Art credits*)

PRINTMAKING

½ credit (Grade 11-12)

Printmaking explores a variety of experiences in producing multiple images involving linoleum, wood blocks, monoprints, silk screen, etching, embossing, lithography, and photography. Drawing and color knowledge as well as the elements and principles of design will be an integral part of the course. Sketchbook is required. (*Prerequisite – Studio in Art*)

PHOTOGRAPHY

½ credit (Grade 12)

This senior elective course is offered for the Art major interested in learning how to create visual images on films with a camera. Composition, developing and enlarging will comprise most of the course. (*Prerequisite: 4 ½ units in art electives*)

BUSINESS EDUCATION

CAREER AND FINANCIAL MANAGEMENT

½ credit

RECOMMENDED FOR ALL STUDENTS. Choices!?! Choices!?! We all have to make choices. Afraid to make decisions regarding your career, personal finances and living? Join this class and learn about personal banking, credit and budgeting, income tax, insurance, buying vs. leasing, and much more. This course can be used for Intro to Occupations credit.

COMMUNICATION SYSTEMS/COMPUTER APPLICATIONS

½ credit

Offers a broad investigation of modern communication systems available to the consumer, client, publisher, advertiser, and author. Visual communication information is introduced along with a study of electronic media, video, radio and television – in the context of mass media. Use of the computers and video equipment are employed in the course. Students will become familiar with Microsoft Word, Excel, Power Point and CAD.

KEYBOARDING

1 credit

Students develop and refine keyboarding technique, accuracy and proficiency. Major emphasis is on developing effective communication using word processing skills. They will learn proper formatting for business letters, memos, reports, tables, and desktop publishing. English Language skills are also reinforced and practiced.

ACCOUNTING 1

1 credit

A course designed to develop competence in the application of accounting theory. Using hands-on applications, mini-projects and simulations, students process transactions through the entire accounting cycle in a service and merchandising business. They will also be introduced to automated accounting, and be required to use a computer to process accounts receivable, payroll, and transactions specific to a service business.

MARKETING/ADVERTISING

1 credit

Marketing is one of the most interesting business subjects. We see examples of marketing all around us every day of our lives. Marketing comes alive through in-class projects, group activities, field trips, and guest speakers. Come join the fun.

BUSINESS LAW

1 credit

Introduces the student to the basic principles of business law and law enforcement as they affect family and personal pursuits. Aims are to give the student knowledge of his rights and obligations in common business documents, contracts, law of sales, bailments, insurance and negotiable instruments.

CO-OP

1 credit

A work experience that allows the student to apply classroom techniques to an actual business setting. Students work from two to four hours a day and receive minimum wage as well as 1 unit of credit. In order to participate, each student must be enrolled in an occupational-related course.

YOUTH APPRENTICESHIP PROGRAM

(School to Careers Partnership of Broome and Tioga Counties)

The Youth Apprenticeship Program is designed to offer high school **juniors** and **seniors** the opportunity to see direct connections between school learning and employment while working in their occupational field of interest. Students apply and interview for paid positions in local companies during the spring semester.

Youth apprentices leave school for part of the day (if their schedule allows) and usually work 10-20 hours per week, rotating through a series of placements at the work site. In each rotation, apprentices work under the direction of a coach or mentor. Summer employment is at the discretion of the employer. Students must provide their own transportation.

The New York State Education Department has approved youth apprenticeship as a Career and Technical Education (CTE) program where students earn regents credit for their successful participation in the program. Students in the two-year program receive a total of 5 credits (2 each year for the work experience/1 for the senior project). Students in the one-year option for seniors receive a total of 3 credits (2 for the work experience/1 for the senior project).

Students learn marketable job skills such as: communications skills, time management, responsibility, teamwork, professional ethics, and computer competencies. They also learn a host of technical competencies that are aligned with the NYS Learning Standards for Career Development and Occupational Studies (CDOS). The following companies have previously offered positions.

Business and Information Systems

GHS Federal Credit Union
Broome County Clerk's Office**
Broome County Information Technology
Columbian Life Insurance Company**
Good Shepherd-Fairview Home
HealthNow NY

Lockheed Martin Systems Integration
Maines Paper & Food Service, Inc.
Owego-Apalachin Central School District
The Raymond Corporation*
Willow Run Foods, Inc.

Hospitality Management

Endwell Greens

Human and Public Service

Coughlin & Gerhart, LLP

Levene, Gouldin, & Thompson, LLP**

IBM Corporation

Natural and Agricultural Sciences

Chenango Animal Hospital**

Manufacturing and Engineering

Endicott Interconnect Technologies

IBM Corporation

Lockheed Martin Systems Integration

Health Care

Good Shepard-Fairview Home

Lourdes Hospital*

Progressive Dental

Willow Point Nursing Home*

*One-Year Option **Two-Year Option All others may offer both types.

ENGLISH

ENGLISH 9**1 credit**

This course reflects the New York State English Language Art Standards and, therefore, is designed to develop success and mastery on the Comprehensive English Regents Exam given in Grade 11. Units are organized thematically, provide for a variety of interests, and cover all literary genres. Additionally, students are required to read several books independently throughout the year.

ENGLISH 10**1 credit**

This course offers opportunities for improvement in reading, writing, speaking, and listening, based on the New York State Language Arts Standards, as well as continued preparation for success and mastery on the Comprehensive English Regents Exam. Literature is explored through thematic units and units based on individual genres. Students also read independently during the course of the year.

ENGLISH 11**1 credit**

This course develops reading, writing, speaking and listening skills as outlined in the New York State English Language Arts Standards. Units and assessments are designed to produce success and mastery on the Comprehensive English Regents Exam. The curriculum emphasizes American literature, thus providing the student with perspective on its historical development. In general, units are organized around longer works of literature. Independent reading is also an integral part of the course.

ENGLISH 9A, 10A, & 11A**1 credit**

These courses are designed for students who have excelled in English Language Arts and who would profit from a more in-depth and challenging level of study. Students are expected to maintain a minimum average of 85 to remain in advanced English. Summer assignments must be completed for admittance to class in September. See the Student Handbook for details.

ENGLISH 12

1 credit

English 12 is a full year course required of all seniors, unless they are enrolled in College English or AP English. It encompasses expository writing, public speaking, and literature. The course is designed to prepare students for the challenges they will face upon graduation.

AP ENGLISH LITERATURE & COMPOSITION

1 credit

Advanced Placement English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through close readings of selected texts, students should deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as such smaller scale elements as the use of figurative language, imagery, symbolism, and tone. Students are expected to take the AP test in May. Colleges offer varying rewards for scores of 3 or higher on the exam. The cost of the exam is set by the College Board (\$82 in 2006).

COLLEGE ENGLISH

1 credit

College English prepares students for the analytical academic reading, writing, and thinking expected of college students as they pursue various undergraduate majors. First semester focuses on analytical writing, including a research paper. Second semester focuses on reading and on theories about how meaning is created. The readings include a variety of imaginative and informative texts, including plays, short stories, and novels. Tuition-paying students earn six semester hour credits from Syracuse University for successful completion of the course. Tuition is set by Syracuse University (\$110 per credit for 2006-2007).

MODERN LITERATURE

½ Credit

Modern Literature follows both a thematic and a genre arrangement that will allow students to learn style, voice, structure, meaning, and value with regards to each selection and its author. Students will be engaged in numerous writing and oral assignments, both as a reaction to literature and on how a particular piece connects to our world today.

CONTEMPORARY ISSUES

½ Credit

Contemporary Issues in Literature is designed to use literature as a basis for discovering, exploring, and connecting current political, social, and psychological issues prevalent in our world. Students will complete a minimum of five units involving a variety of genres focusing on the effects of society on literature, including a "student choice" selection. Students will complete writing and performance assessments for each unit.

FOREIGN LANGUAGE/ LOTE – (Language Other Than English)

NOTE: As admissions criteria for college entrance continues to become more competitive, it is strongly advised that students take at least 3 credits of foreign language. Many two and four year colleges now have specific language requirements. It is highly recommended that a student research the admissions requirements for his/her prospective colleges.

FRENCH II

1 credit*

This course continues with the development of the five basic language skills: speaking, listening, reading, writing and culture. Continued emphasis will be placed on functional communication. The first half of the high school Regents sequence is accomplished, Checkpoint B in the New York Syllabus.

FRENCH III

1 credit*

This course serves as the second half of the Regents sequence in French. New York Syllabus Checkpoint B is attained as students successfully complete the Comprehensive Regents Exam in June. Stress is placed on accuracy and mastery of all materials presented in Checkpoints A and B.

FRENCH IV

1 credit*

Increased language usage is a major goal of this course. Students are encouraged to use the knowledge they have attained in personally meaningful contexts. Greater precision is expected with all language skills as students are exposed to poetry, short stories, plays, contemporary music, and culture. Increased vocabulary and grammar knowledge are fundamentals to this course.

FRENCH V

1 Credit

This course is open to students who have successfully completed French IV with an appropriate degree of mastery. This course helps students develop:

- A. the ability to understand spoken French in various contexts;
- B. a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary; and
- C. the ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French.

SPANISH I

1 credit

This course introduces the student to the Spanish language and culture. The five skills of listening, speaking, reading, writing, and culture in the target language are developed. Students will be presented with functional vocabulary and expressions found in the New York State Syllabus. Upon successful completion of this course, students will have met the requirements for Checkpoint A, as stated in the State Syllabus. This is a pre-requisite for Spanish II. This course will also be appropriate for entering 9th graders who need more time with the language to ensure success at the higher levels.

SPANISH II

1 credit*

Students will continue to develop their Spanish language skills: listening, speaking, reading, writing and also work towards developing greater cultural understandings. The emphasis of the course is on communication in Spanish. The first half of Checkpoint B in the New York State Syllabus defines the learning goals of this course.

SPANISH III

1 credit*

As the third sequence in the Spanish program, this course enables the student to improve listening and reading comprehension, refine speaking skills and increase the vocabulary learned during the first two years of language study. Students will take the New York State Regents examination at the conclusion of this course and upon passing the exam, will receive three units of Regents credit.

SPANISH IV

1 credit*

Students enrolled in this course will improve their Spanish language skills through further study of Spanish grammar, literature, and culture. Composition and conversation as well as the study of advanced grammatical structures are required to achieve fluency and accuracy in the Spanish language. The course is conducted entirely in Spanish and communicative competence is stressed. (Pre-requisite: appropriate level of mastery attained in Spanish III.)

SPANISH V

1 credit*

This course will enable students to refine their Spanish language communication skills as they work with a variety of Hispanic learning sources. The course will help students to develop cross-cultural insights into Hispanic cultures, values, and traditions. The academic and cultural topics of the course will come from sources such as Hispanic literature and art, popular music, radio and television media, the Internet, and current events. The students will develop greater proficiency in Spanish through class discussions, individual and group presentations, reading/textual analysis, and composition writing. They will also develop greater accuracy in grammar as they practice and analyze it in context. (Pre-requisite: appropriate level of mastery attained in Spanish IV.)

* Available for 3 hours of college credit through Tompkins Cortland Community College.

MATHEMATICS

MATH 9A

1 credit

This course introduces topics in algebra, geometry, logic, probability and statistics based on the seven (7) key ideas outlined in the New York State Standards. It is our initial high school math offering and it is geared toward sitting for the Math A Regents exam the following year.

MATH 10A

½ credit

This course continues from Math 9A to integrate the seven (7) key ideas outlined in the New York State Standards. Students will sit for the Math A Regents exam in January of this year. (*Prerequisite – Successful completion of Math 9A*)

MATH 10B

½ credit

This course begins the study of course work in transformational geometry, probability, statistics, circles and real and complex numbers which will be included on the Math B exam to be taken the following year. (*Prerequisite – Successful completion of Math 10A*)

ADVANCED ALGEBRA & TRIGONOMETRY

1 credit

This course continues to integrate algebra, geometry, logic and probability as in Math 10A & 10B, covers selected topics from Math 11B, and includes trigonometry in a less rigorous manner. It is especially recommended for students who have passed Math 9A and Math 10A and/or 10B.

MATH 11B

1 credit

This course is the final year of the three year integrated math sequence. Topics include polynomials, geometry and formal proofs, functions - exponential, logarithmic and trigonometric. The graphing calculator will be incorporated extensively into the course material. Students will sit for the Math B Regents exam at the conclusion of this course.

MATHEMATICS 12

1 credit

Continuation of the work in algebra from Math 11B, and additional topics of rational integral functions of the n^{th} degree, graphing polynomial functions, conic sections, polar coordinates, sequences, and an introduction to limits, derivatives and integrals. Available for 6 hours of college credit through Tompkins Cortland Community College.

COLLEGE CALCULUS

1 credit

This is a college level course offered through Tompkins Cortland Community. Topics include functions and limits/continuity, the derivative and its applications, the integral and its applications and transcendental functions. Available for 4 hours of college credit.

MUSIC

MUSIC THEORY I

1 credit

Music Theory I is designed for students wishing to learn more about the basic skills and understanding of music theory and composition. While not exclusive to student musicians, it is highly encouraged that the student taking music theory already have a background in music literacy (reading music). Students will study the elements of music notation and understanding, with an emphasis on ear-training and composition. This is a required course for students wishing to pursue a three credit Music sequence for graduation.

MUSIC THEORY II

1 credit

Music Theory II builds on the knowledge and skills learned in Music Theory I. Students concentrate on the harmonic aspects of composition, as well as dictation and aural skills.

MUSIC IN OUR LIVES

½ credit

Music in our Lives presents the students with an overview of music in many styles and cultures. Through a variety of activities, students will cover such topics as: Music in America, Music in Other Cultures, The Function of Music in Society, Music of Our Generation, and Music of Diverse Styles. Students will have the opportunity to explore their own musical preferences, as well as be exposed to new and unfamiliar musical genres.

AMERICAN MUSICAL THEATER

½ credit

This course presents students with an overview of the development of American Musical Theater. Aspects of theater production that will be covered include acting, voice and music, dance, costuming, makeup, set design and backstage technical support. Students will understand how music, art, dance and theater come together to create a successful performance. Students will have the opportunity to be involved in a musical production.

CHORUS

WOMEN'S CHORUS

½ credit

Women's Chorus is a music performance class in which students will sing a variety of literature written for women's voices. Students will learn the techniques of singing, the skills of sight-reading and musicianship, and a greater appreciation for music. Weekly attendance at voice lessons is a requirement of this course. Attendance at all regularly scheduled performances is a requirement for this course. Women's Chorus is open to any female student at OFA.

CONCERT CHORUS

½ credit

Concert Choir is a music performance class in which students will sing a variety of choral literature. Students will learn the techniques of singing, the skills of sight-reading and musicianship, and a greater appreciation for music. Weekly attendance at voice lessons is a requirement of this course. Attendance at all regularly scheduled performances is a requirement for this course. Concert Choir is open to any male student at OFA and to females by recommendation of the director.

CHAMBER SINGERS

½ credit

Chamber Singers is a music performance class in which students will sing a variety of intermediate to advanced choral literature. Chamber Singers perform at many school and community events. Students who are in Chamber Singers are also expected to be members of Concert Choir, thus making weekly attendance at all voice lessons a requirement of this course. Attendance at all scheduled performances is a requirement for this course. Membership is through audition only - Auditions for Chamber Singers will take place in May/June of the previous academic year.

BAND

CONCERT BAND

½ credit

Concert Band is a music performance class in which students will study standard concert band literature at the Intermediate through Advanced Level. Weekly attendance at class music lessons is a requirement of the course. Students are expected to perform at any concert appearances given by the group. Spring Parade Band performances are also a requirement of the class.

JAZZ BAND

½ credit

Jazz Band is a music performance class in which students will study Advanced Level “Big Band” jazz literature. Section rehearsals, which are scheduled as music lessons, are a class requirement. Students are also encouraged to study jazz improvisation as a part of this class. Students are expected to perform at any concert appearances given by the group. Membership is through audition and/or by recommendation of the instructor.

JAZZ BAND II

½ credit

Jazz Band II is a music performance class in which students will study Intermediate Level “Big Band” jazz literature. This class is suggested for students who hope to eventually enroll in the Jazz Band class. Section rehearsals, which are scheduled as music lessons, are a class requirement. Students are also encouraged to study jazz improvisation as a part of this class. Students are expected to perform at any concert appearances given by the group. Membership is through audition and/or by recommendation of the instructor.

PHYSICAL EDUCATION

The New York State Education Department requires each student to participate in the physical education program. NYS graduates will have to show a level of proficiency and/or competency in a number of physical activities. Students graduating from Owego Free Academy must complete four years of this requirement. All students are expected to attend 80% of the classes and be appropriately dressed for the scheduled activities. All students are tested and encouraged to reach a personal level of health related fitness.

PHYSICAL EDUCATION

½ credit

11TH – 12TH GRADE – This is an elective program with the emphasis placed on lifetime sports activities, personal fitness, specialized health related topics and variations of other sports. Students will select a new activity every 5 weeks for a total of 10 units throughout the school year.

9TH – 10TH GRADE – This is a co-educational program with the emphasis placed on skill development and team activities that will help lead into lifelong fitness. Students will be provided with a different activity every 5 weeks for a total of 10 units throughout the school year.

SWIM – It is a requirement that all students pass 2 years of swim while at OFA. All 9th and 10th grade students are required to take a unit of swim while it becomes an elective for 11th and 12th graders who have already met the requirement. Emphasis is placed on lifelong fitness while learning basic swimming strokes and survival techniques.

PHYSICAL EDUCATION – GRADING

Students' grades are broken down and each unit based on the following criteria:

1. **Participation – 50 %** - 50 points out of 100 are based on participation in class as defined by the rubric standard for that particular activity. You will receive from 1-5 points for your daily participation.
2. **Preparation – 15 %** - 15 points out of 100 are based on your daily preparation for class – changing into appropriate attire (shorts, sweats, t-shirt, socks, SNEAKERS, no jeans).
3. **Quiz – 15 %** - 15 points out of 100 are based on a paper and pencil quiz given in each activity. Students will be required to know basic rules, techniques and strategies for each activity.
4. **Skill – 20 %** - 20 points out of 100 are based on a standard of skill for each activity. No student will receive less than 14 points for a skill level thus promoting students to try unfamiliar activities.

HEALTH EDUCATION

½ credit

Health at the High School level is the culmination of a comprehensive K–12 Health Education Program. The desired results are students who will demonstrate knowledge, skills and attitudes necessary for choosing a healthy lifestyle. Using the basic core of information developed at the elementary and intermediate levels, the student is offered the opportunity to investigate and formulate his or her own personal philosophy concerning health issues facing adolescents today. The course is student oriented with discussions, cooperative group activities, performance assessments and other formal and informal opportunities for individual expression. Topics covered include Wellness, Mental Health, Personal Development and Decision Making, Parenting, Nutrition, Exercise for Fitness, and Substance Use and Abuse.

SCIENCE

EARTH SCIENCE

1 credit

This course is designed to develop problem solving skills while investigating earth processes. Concentrates study in the areas of: earth measurement, rocks and minerals, the dynamic crust, landscape development, geologic history, meteorology, astronomy, and environmental awareness. A minimum of thirty hours in the laboratory is required to take the Earth Science Regents exam.

LIVING ENVIRONMENT

1 credit

Designed to provide broad general understanding in the areas of biochemistry, human physiology, reproduction and development modern genetics, modern evolution theory, and ecology. A minimum of thirty hours in the laboratory is required to take the Living Environment Regents exam.

CHEMISTRY

1 credit

Investigates the areas of: energy and matter, atomic structure and radioactivity, bonding, the Periodic Table, mathematics of chemistry, kinetics and equilibrium, acid-base theories, redox and electrochemistry, and organic chemistry. A minimum of thirty hours in the laboratory is required to take the Chemistry Regents exam. (*Prerequisite – 2 Units of Math*)

PHYSICS

1 credit (Grade 11-12)

Concentrates study in the areas of mechanics, energy, electricity and magnetism, wave motion and atomic physics. A minimum of thirty hours in the laboratory is required to take the Physics Regents exam. (*Prerequisite – 2 Units of Math*)

AP BIOLOGY

1 credit

Advance Placement Biology is the equivalent of an introductory level college course for biology majors. It is designed to be taken by high school students after the completion of a first course in biology and one course in chemistry. AP Biology is divided into three major areas, including organisms and populations, molecules and cells, and heredity and evolution. This class also includes a lab period that meets every other day. The Advanced Placement exam, given in May, is the deciding factor in the granting of college credit.

MARINE BIOLOGY 11 - 12

½ Credit

Marine biology is the study of life in the salt water environments. Descriptions of physical, chemical, and biological processes that operate in various marine ecosystems will be discussed. The course also stresses ecological processes and adaptations that structure marine associations. In addition to standard evaluation methods such as quizzes, tests, and written reports, student evaluations will be done through labs and computer presentations. (*Prerequisite – Earth Science and Living Environment*)

ASTRONOMY 11 – 12

½ Credit

Astronomy is a half-year course for students with an interest in space science. Topics of study include the solar system, stars, galaxies, and cosmology. There is an emphasis on observational astronomy, the use of telescopes, and the latest research results. (Prerequisite – Earth Science and Living Environment)

FORENSICS

1 Credit

Did you ever wonder how law enforcement agencies solve their crimes? Sometimes science helps! Forensic science begins at the scene of the crime and offers the technology of science for the definition and enforcement of law. Some topics that will be discussed are: crime scene analysis, physical evidence, fingerprinting, forensic toxicology, DNA fingerprinting, and forensic serology. In order to merge theory with practice, a hands-on approach will be taken in presentation of all course materials. Students will apply the scientific knowledge they acquire to solve these criminal problems just as a detective or member of the police crime lab might do. This is a non-regents level science course and may not meet the admission criteria of some four year colleges. Please talk with your counselor about the appropriateness of this course. (Prerequisite – Biology and Chemistry)

SOCIAL STUDIES

GLOBAL HISTORY & GEOGRAPHY I

1 credit

Global History & Geography I is the first year of a two-year course that will end with a Global History & Geography Regents exam. Students will study the history of the world in chronological order, beginning with the Neolithic Age and ending with the Congress of Vienna (1815). Teaching and learning will focus on the development and interaction of social, cultural, political, economic, and religious systems in different regions of the world at different times.

GLOBAL HISTORY & GEOGRAPHY II

1 credit

This course ends with the Global History & Geography Regents examination based on curriculum presented in both Global History & Geography I and Global History & Geography II. This chronological survey will begin with the Industrial Revolution and will end with students studying the connections and interactions between various groups in the world today. Industrialization, imperialism, colonialism, nationalism, independence, collective security and interdependence will link this study of the global community.

US HISTORY & GOVERNMENT

1 credit

This course begins with a concentrated study of the US Constitution, set in the context of its origins in the early years of the nation. The remainder of the course will be a chronological study of the history of the United States since the founding of the Nation. Constitutional and legal issues will be explored in depth, as will the problems of a dynamic and industrial society in the world setting. The course ends with the US History & Government Regents examination.

AP US HISTORY

1 credit

This course handles US History at a college level depth and pace. Students will be required to take both the NYS Regents and the AP Exam.

ECONOMICS

½ credit

The study of economics will develop an understanding of major economic concepts and systems. Students will explore the principles of economic decision making and the interdependence of economics and economic systems throughout the world. This course will emphasize the development and application of the skills needed to make informed and well-reasoned economic decisions in daily and national life.

PARTICIPATION IN GOVERNMENT

½ credit

To be part of decision-making processes in local, state, national and international communities, students will acquire the skills necessary for analyzing and judging actual and proposed policies. Students will learn how to participate effectively in government.

PSYCHOLOGY

½ credit (Grade 11-12)

This introductory course will present the student with the challenge of increasing their knowledge and understanding of themselves. The students will learn about those factors that influence human behavior so that they will be able to cope with and accept themselves and others. Some of the topics to be studied are: Research and Behavior Perception, Learning, Personality, and Therapy. Available for 3 hours of college credit through Tompkins Cortland Community College.

SOCIOLOGY

½ credit (Grade 11-12)

This introductory course will be a contemporary study of people living in groups. A brief account of the relationship of sociology to the other social sciences will lead students to the main topics of: Values and Social Control, Deviance, Socialization, Social Problems, Culture, Group Interaction, Social Stratification and Institutions. Current issues such as: Crime, the Elderly, Racism, Violence, Crime & Punishments and the Changing Role of Women are topics that are investigated. The writing of a thesis paper on one of the topics covered in class is a course requirement. Available for 3 hours of college credit through Tompkins Cortland Community College.

WOMEN in US HISTORY

½ credit (Grade 11-12)

This course will emphasize the experiences of women in the United States from colonial times to the present. Among the topics to be discussed are: Women's Familial Roles, the Changing Nature of Household Work, Racial and Ethnic Differences in Women's Experiences, the Women's Rights Movement, Employment of Women Outside the Home, and Contemporary Feminism. Available for 3 hours of college credit through Tompkins Cortland Community College.

AP HUMAN GEOGRAPHY

1 Credit (Grade 10-12)

The purpose of the course is to introduce students to the study of geography as a social science by emphasizing the relevance of geographic concepts to human problems. Two guiding questions will focus our study: Where are people and activities located across the Earth's surface? Why are they located in particular places? In addition to traditional classroom study, the course will utilize computer software applications and internet sources. Students will take the AP Human Geography exam in May which could lead to college credit.

TECHNOLOGY EDUCATION

DEPARTMENT NOTE:

Students enrolled in a Technology sequence must elect two of the three Systems courses and two of the three Foundation courses. A five-unit Technology sequence does not require three years of a foreign language. Only those students completing a sequence of not less than 5 units of credit in Career and Technical Education may substitute another 3-unit or 5-unit sequence in place of the three units of a language other than English (100.5d). When considering this option, please discuss with your school counselor.

College credit is available as an option for some courses through Rochester Institute of Technology (RIT) and/or through Broome Community College (BCC). BCC requires the completion of an HS-1 form while enrolled in the high school course to be eligible for credit. RIT college credit contingent upon class average of 85 or better and passing an RIT final exam.

Project Lead the Way Pre-Engineering Course Sequence

Introduction to Engineering Design (IED)
Digital Computer Electronics
Principles of Engineering
Computer Integrated Manufacturing (CIM)
Civil Engineering and Architecture (CEA)



Portfolio Requirement: Each *Project Lead the Way* course requires the completion and saving of a portfolio. In the final course, CEA, the student will compile in a portfolio his/her best work from all PLTW courses.

INTRODUCTION TO ENGINEERING DESIGN – IED

RIT College 4 Credit Course

BCC College 2 Credit Course (EGR 150)

Grade 9-10 (Foundation Course)

1 credit

IED provides the student with the opportunity to be creative and to apply their decision-making and problem-solving skills to design problems. Each student will use powerful hardware and Autodesk Inventor software to develop 3-D models and solid renderings of objects. Using a Computer Aided Design System, you will learn the product design process through creating, analyzing, rendering and producing a model. The course follows the syllabus for Design and Drawing for Production. This course is a Technology Education course and can be used as a substitute for the Visual Arts/Music requirement for graduation. IED is the first course in the Project Lead the Way Pre-Engineering sequence. Students are required to complete and save a portfolio.

DIGITAL COMPUTER ELECTRONICS

RIT College 4 Credit Course

Grade 10 (Elective Course)

1 credit

Digital Electronics is a full year lab and lecture course in what engineers call digital logic. The use of digital circuits is increasing so rapidly that it is hard to imagine the limits. You'll be introduced to the digital circuits found in computers, watches, calculators, microwave ovens, musical instruments, video games, and thousands of other devices. You'll look at how digital devices control automated equipment. Investigate some real world application of the math and science learned in your high school classes. Students will use the electronic design package called Circuit Maker as well as the actual component parts of electronic devices in the course. Digital Electronics enhances college acceptance into engineering and technical programs. Students are required to complete and save a portfolio. (*Prerequisite-Math 9A*)

PRINCIPLES OF ENGINEERING - POE

RIT College 4 Credit

BCC College 2 Credit Course (EGR 151)

Grade 11 (Systems Course)

1 credit

POE is designed to help you understand the field and the career possibilities of engineering and engineering technology. You'll work on the problem-solving skills that are used at the college level and in the work place. You'll explore engineering systems and manufacturing processes. You will learn how engineers address concerns about the social and political consequences of technological change. As a student you'll see the use of math, science and physics in real applications such as hydraulics, pneumatics, mechanisms, automation control and manufacturing. Students are required to complete and save a portfolio. (*Prerequisite-Math 9A, Digital Computer Electronics, and IED*)

COMPUTER INTEGRATED MANUFACTURING - CIM

Grade 11(Technology Elective)

RIT College 4 Credit Course

1 credit

A course that applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional design. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. Students are required to complete and save a portfolio. (*Prerequisite – Math 9A, Digital Computer Electronics, IED, and POE*)

Civil Engineering and Architecture - CEA

RIT College 4 Credit Course

Grade 12(Technology Elective)

1 credit

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects; Project Planning; Site Planning; Building Design; Project Documentation and Presentation. (*Prerequisite – IED and either CIM or CAD*)

INTRODUCTION TO C/C++

BCC College – 3 Credit Hrs (CST 113)

1 Credit

C++ is a course designed to provide an introduction to the fundamentals of structured programming using C++. Topics will include input-output statements, data types, loops, data structures, procedures and functions. Assignments will emphasize program development using modular design and self-documentation. Students will be introduced to Object Oriented Programming (OOP) concepts such as classes and encapsulation. They will create functions, use operators, manipulate files and use C++ library functions to perform tasks.

COMMUNICATIONS SYSTEMS/COMPUTER APPLICATIONS

½ credit

Offers a broad investigation of modern communication systems available to the consumer, client, publisher, advertiser, and author. Visual communication information is introduced along with a study of electronic media, video, radio and television – in the context of mass media. Use of the computers and video equipment are employed in the course. Students will become familiar with Microsoft Word, Excel, Power Point and CAD.

PRODUCTION SYSTEMS

½ credit

A course which investigates the areas of manufacturing and construction. Students will create their own manufacturing/construction company. This company will produce at least one type of mass produced product, and one structure model using modern construction techniques.

TRANSPORTATION SYSTEMS

½ credit

An investigative course which exposes the students to the modern areas of air, space, land and marine transportation. Students will upon successful completion of the course and related exam are eligible to receive their NYS Safe Boating Certificate (Required for all operators of (PWC) Personal Water Craft, Jet Skis and Wave Runners). Students will participate in these areas through individual and group activities, e.g. model rockets, small engines etc.

WOOD TECHNOLOGY

½ credit (Elective Course)

An introductory class in basic woodworking. Students will use modern hand tools and machines to construct required and individually designed projects. The techniques utilized in today's modern woodworking industry will be examined. This project-based course is designed to give students an opportunity to become familiar with wood classifications and methods.

TECHNICAL DRAWING

(Foundation Course)

½ credit

Technical Drawing is an introduction to the concepts involved in the drafting field as it is related to industry. Students will develop real world skills by working with drawing tools and computers to prepare both two and three-dimensional drawings. The drawing problems required have been selected to provide realistic experiences. This course will require students to use Cadvance 6.0 and CAD Standard software.

ARCHITECTURAL DRAWING

(Foundation Course)

½ credit

Architectural drawing is a ½ year course designed to introduce the students to the various methods used to illustrate acceptable home designs and concepts along with converting architectural and understanding to computer-aided drafting applications. Emphasis will be placed on residential floor plan designs, exterior designs, construction methods, kitchen and bathroom designs, detail drawings, and plot plans. This course is recommended for students who want to develop an interest, knowledge and understanding in house design, planning and methods of residential construction. This course is also recommended to students who plan to pursue a career in the fields of real estate, building, or construction.

BOCES CAREER/TECHNICAL EDUCATION

CAREER SERVICES CENTER

6 credits

The programs offered at the occupational and technical center on Glenwood Road in Binghamton are an integral part of the high school curriculum. A two year program at BOCES not only serves as a foundation for developing a lifelong trade or vocation but also meets 6 units (3 units per year) of high school credit. Students wishing to enter occupational program should declare their interest early by consulting their guidance counselor. A detailed course description of any occupational course may be obtained in the Guidance office.

Agriculture Cluster

Animal Science I
Animal Science II

Automotive Cluster

Auto Body Repair I
Auto Body Repair II
Auto Mechanic I
Auto Mechanic II
Heavy Equipment Repair & Operation I
Heavy Equipment Repair & Operation II
Outdoor Power Equipment
Motorcycles

Building Trades Cluster

Carpentry I
Carpentry II
Masonry I
Masonry II
Plumbing & Heating I
Plumbing & Heating II
Electricity I
Electricity II

Business Cluster

Computer Careers I
Computer Careers II
Retail Careers I
Retail Careers II

Communications Cluster

Video Production I
Video Production II

Health Cluster

Health Occupations I
Health Occupations II

Manufacturing Cluster

Computer Aided Design I
Computer Aided Design II
Computer Repair Technician I
Computer Repair Technician II
(CISCO Networking)
Industrial Welding I
Industrial Welding II
Precision CMT I
Precision CMT II

Personal Services Cluster

Culinary Arts I (PM Only)
Culinary Arts II (AM Only)
Cosmetology I
Cosmetology Summer School (is required by all
Cosmetology students)
Cosmetology II
Early Childhood Education I
Early Childhood Education II
Criminal Justice/Security I
Criminal Justice/Security II
Hotel & Restaurant Management I
Hotel & Restaurant Management II

New Visions (AM Only)

Health Careers Academy
Education & Human Development
Law and Government
Selective Application Process, for Seniors only

Career & Technical High School

All day High School program combines
Academic & Occupational Education Courses.
Selective Application process.

SPECIAL PROGRAMS

OFA Guidance Office - See your Counselor

In addition to the academic course offerings, the following special programs are available to the students during their high school years. These programs are not for everyone. Recognizing the fact that some students can benefit from a less traditional education approach, we offer brief descriptions for your consideration.

EARLY GRADUATION POLICY

A socially and intellectually mature student may enter an accelerated program to complete high school requirements within three years. This request must be made no later than grade 10 and is subject to specific eligibility requirements.

INDEPENDENT STUDY PROGRAMS

Members of the 11th and 12th grades who meet the required standards have the opportunity to engage in an Independent Study Program. The independent study is designed for eligible students who wish to pursue a special area of study beyond the scope of the regular curriculum and who are willing to accept responsibility for their own learning.

COMMUNITY SERVICE - ½ credit

A program designed to give students the opportunity to learn and serve their community by volunteering their time and talents. Students may earn ½ unit of credit for a minimum of 70 hours of service. Students should see their counselor for program details.

LIBRARY – MEDIA

Library Hours: 7:15 AM – 3:30 PM

INTRODUCTION

The mission of our library program is to make students and staff effective users of information. This is accomplished via direct instruction with subject area classes, as well as with individual tutoring.

THE LIBRARY PROVIDES:

1. Unified access to AV, print and electronic resources.
2. Promotion of literacy and enjoyment of reading.
3. Instruction in the use of a broad spectrum of information technologies, including Internet.
4. Assistance to teachers and students in selection and use of appropriate resources to meet their curricular needs.

LIBRARY USE POLICY

The high school library has an atmosphere that is friendly as well as conducive to work. There is a positive rapport with the students and our combination arrangement of open access times and a pre-signed pass requirement (from study halls) has made the library a good place to work and study.

We do ask that students coming to the library from study hall have a reason to request library access. It may be a class project, personal research or recreational reading. Students may obtain pre-signed library passes from the teacher assigning the project or the librarian. If they forget to get a pass earlier in the day, they may ask their study hall teacher to call the library and get an OK to send the student to library.

We feel that our library/media center, through the library staff, facility design, materials, collection, and services supports our changing curriculum and provides for successful group and individual experiences.

RESOURCES

All print and AV materials purchased in the school are centrally ordered, processed, cataloged, stored and distributed by the library staff. All resources are accessible via our online computer catalog.

All books and software circulate. The print collection has over 15,000 books and there are 1500 items of software. Books may be retained for three weeks, and renewed if necessary. Reference titles, identified with a blue card, may be borrowed over night.

Thirteen computer workstations in the library allow access to Internet as well as networked and stand-alone computer programs. Many subscription databases are accessible from any place in the building and from home.

STUDENT TUTORS

Peer tutoring Honor Society members use the library to run their program.

MEDIA

DVDs, videos, laserdiscs and other AV materials are provided to support the curriculum. Although used primarily by the professional staff, students are encouraged to use materials for information content and class presentations.

INTERLIBRARY LOAN

Materials not found in the OFA library may be borrowed for use through our BOCES interlibrary loan program. The library also offers FAX retrieval service for magazine articles not available locally or online.

WORK CITED AND DOCUMENTATION

All OFA students learn and use the MLA style of documenting research. A standard bibliographic style sheet is available at all times in the library and posted on the Library Blackboard site. Students may request help with this process as needed.

ELECTRONIC INFORMATION RETRIEVAL

Using the computer technology available in the building and library, students have access to a wide variety of information resources. The Internet, Magazine and Newspaper full-text databases such as Proquest, EBSCO, Electric Library and other subject specific databases are purchased for staff and student use. Many of these subscriptions are available for remote access via our Library Blackboard page.

AUTOMATED CATALOG

The on-line catalog provides access to print and AV resources available in the library and on interlibrary loan from area school districts. Searching can be done by author, title, subject or keyword.

NATIONAL HONOR SOCIETY

HONOR SOCIETY RULES OF PROCEDURE

ELECTIONS

One election and induction a year will be held during the Spring.

Election for candidates from the junior and senior class will be conducted after the second marking period.

SCHOLASTIC ELIGIBILITY

Juniors must have a cumulative 2 ½ year average of 88.00 to be considered.

Seniors must have a cumulative 3 ½ year average of 88.00 to be considered.

SELECTION PROCESS

Eligible candidates must complete a form indicating their desire to be considered for membership and give supportive evidence of their contributions to school and community. If a candidate indicates that he/she does not wish to be considered for membership or if he/she fails to return the form on the due date indicated, the candidate's name will be removed from the eligibility list.

An eligibility list along with a rating scale of 1-5 will be provided to every member of the faculty for a preliminary rating. Each faculty rater will have to state in what capacity he has known the student.

Each student will be rated on Leadership, Character, Scholarship, and Service according to definitions of these criteria given by the National Honor Society Headquarters, Washington, D.C.

The Honor Society Advisor will then collect the preliminary teacher rating forms and tally all ratings for each student on a composite sheet. Next, each student's ratings will be computed by dividing the total by the number of teacher rating him/her.

A report, giving each candidate's average score, is presented at a Faculty Council meeting. If a candidate receives an average score of less than 3.0 and has been rated by a minimum of 10 teachers, his/her name will be removed from the eligibility list.

Activity rating forms and an eligibility list will be sent to all activity advisors. Each activity advisor will rate those students who are participating in the activity of which they are the advisor on a 1 (poor) – 5 (Excellent) Scale. In addition, the advisor will make some brief and specific comments on the student's contributions to the particular activity. The rating forms are to be returned to the Honor Society Advisor who will make them available to the Faculty Council Members to assist them in preparing their reports on the individual candidates.

The guidance counselors shall check the list of candidates to see that they have spent at least one semester or its equivalent of their junior or senior year at OFA and shall be a member of the junior or senior class.

The list of final candidates shall then be forwarded to the faculty advisor of the Honor Society. The advisor shall then appoint a faculty member to review character, leadership, scholarship, and service of the student concerned. The sponsor shall use as data: the candidate's letter of intent; the ratings and comments of the activity advisors; the student's extracurricular activities form, which is included in his permanent folder; teachers recommendations and the results of conferences (when necessary) with activity advisors.

TAPPING NEW MEMBERS

The "Tapping" of new members shall take place no later than one week after the Honor Society Council meetings.

INDUCTION & RECEPTION

Within five to seven days after the tapping, there will be an evening induction and reception for members of the Honor Society, their parents, and their guests.

SUPERVISION

A supervisory subcommittee of the Faculty Council will check the marks of Honor Society members, receive written complaints by teachers, carry on investigations, give warnings, and if necessary, propose the suspension or removal of an Honor Society member for failure to maintain the standards by which he/she was elected to the society.

EXTRA-CURRICULAR CLUBS at OFA

(This is not an all inclusive listing – and clubs vary from year to year)

Alcohol and Drug Student Information Program (ADSIP)

Mrs. Baumbach and Mrs. Kotula, Co-Advisors

ADSIP prepares high school students to make presentations to younger groups and trains them to serve as positive role models. ADSIP peer leaders adhere to a no-use policy regarding alcohol and other drugs. They attend a two-day training held in the fall that provides them the skills to give presentations to elementary and/or middle school students. ADSIP is open to all students at OFA.

French Club – Mr. Finnessey, Advisor

French Club meets periodically throughout the school year to do French activities that depends upon the members interest. It is open to students currently taking French at OFA.

Gaming Club – Mrs. Melby, Advisor

Want time out from schoolwork? Gaming club welcomes all students in need of a break! There are video games, board games, and card games. Members meet after school once a week from September to June. Gaming Club is open to all students at OFA.

Interact Club – Mr. Westcott, Advisor

The Interact Club is a service-based club, sponsored by Rotary International and supported locally by the Owego Rotary Club. This club provides students with the opportunity to volunteer in initiatives that benefit the local and the international community. Interact meets weekly and is always looking for new members. If you are interested in learning more about this club, please see Mr. Westcott in the Guidance Office.

Key Club –Mr. Luke, Advisor

Key Club is a volunteer organization. The “parent” group is the Owego Kiwanis. Together, members donate time to people within the community. A membership drive is held in September and all students are welcome to apply. Yearly dues are approximately \$12.00 and members are asked to perform a minimum of 15 community service hours each year of membership.

Literary Club – Ms. Hawkins, Advisor

Literary Club is a group of literary and artistic enthusiasts who are interested in producing a quality magazine to recognize and honor the voices and visions of Owego Free Academy students. The primary objective is to promote the reading and writing of literature in the school. While the main focus is a publication of students’ writing, the club is also interested in artwork and conceptual photographs. Literary Club is open to all students at OFA.

OES/OAMS Student Tutors – Mrs. Purtell, Advisor

Any junior or senior student at OFA, who is in satisfactory academic standing, is eligible to sign up to tutor at Owego Elementary School (OES) or Owego Apalachin Middle School (OAMS). The student gives up a study hall every day or every other day to walk over to OES or OAMS. S(he) is linked up with a supervising teacher at the school. The student is assigned to work one on one or with a small group of students for 30 minutes.

Parade Band – Mr. Fabricius, Advisor

Parade Band is a band activity offered only in the spring of the academic year. The group provides community service by performing for the residents of our area. This group is made up of all concert band students and performs in local parades in May and June. Rehearsals are held during Concert Band class period and on the day of performance.

Pep Band – Mr. Fabricius, Advisor

Pep Band is a band activity offered only in the fall of the academic year. The group begins meeting in August, usually two weeks before school starts. Performances are at OFA home football games, where the band plays during the games and is featured during half-time entertainment. This is a great opportunity for students to play up-beat music and also display school spirit.

Scholarship Challenge – Mrs. Mills, Advisor

Scholarship Challenge is open to any student at OFA who has an interest in general academic trivia on a variety of topics. There is an annual competition where teams from area schools challenge each other.

Ski Club – Mrs. Turshman, Advisor

Ski Club has six organized bus trips to Greek Peak on consecutive Saturdays beginning in early January. This club is a learn to ski program that provides lessons for the beginner, although members ski, skiboard, or snowboard at various skill levels. Students can purchase several different program packages or a season pass through the club in the fall.

Smoke Signals – Ms. Heimbuecher and Mrs. Mills, Co-Advisors

OFA School Newspaper

This club is open to any student at OFA who has an interest in writing and creativity. Members meet weekly to discuss & plan articles.

Students Against Drunk Driving (SADD) – Mrs. Beck, Advisor

SADD is an open club to all students at OFA. The mission is to keep 'Not Drinking & Driving' at the forefront of our students minds. The club sponsors a variety of activities each year to accomplish the goal such as Grim Reaper Day, Holiday candy giveaways, the SADD Art & Literature Contest as well as supporting the Senior Class Chem Free After Prom Party. Any student who will help SADD achieve the mission is welcome!

Yearbook – Ms. Stefanski, Advisor

Yearbook has many opportunities for student participation from design to photography. Club members create a 176-page book, which chronicles events throughout the school year. Yearbook is open to all students at OFA.

Yorkers – Ms. Stefanski, Advisor

Yorkers gives students opportunities to explore local New York State history, United States history, and participate in hands-on history activities. Students create projects that they enter for competition at the state convention held annually during May in a different city each year. There is a dues fee that members must pay each year to the state organization. Yorkers is open to all students at OFA.

2:1:2 Club – Mrs. Ripic and Mrs. Warner, Co-Advisors

The club is led and run by students of the Christian faith who are interested in reaching out to those in need, spreading the gospel, and participating in activities which will help members strengthen their faith. The 2:1:2 Club is open to all students at OFA.