

**Wayland-Cohocton
Central School**

Course Manual

2011-2012



<http://www.wccsk12.org/sco>

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High School Graduation Requirements

Subject	Credits
Fine Arts	1
English	4
Health	.5
Mathematics	3
Science	3
Physical Ed.	2
Social Studies	4
Sequences	#
Electives	#
Computer Applications*	.5
Speech*	.5
Total needed credits	23

Class of 2011 and after

The credit amounts assigned in each of these areas are determined on an individual basis and are largely dependent on the type of diploma the student is pursuing, as well as individual interests.

* Local graduation requirements

Regents Diploma Requirements

Students must score a 65 or better on each of the required exams for the Regents and Advanced Regents Diplomas. A local diploma still requires that students complete required regents exams; however, students must score at least 55 on all, and 65 or better on most depending on the year that they entered high school. Students need to discuss these options further with their school counselor.

Advanced Regents Exams: Math A, Math B (Integrated Algebra, Geometry, and Algebra 2/Trigonometry—class of 2011 and thereafter), Global History & Geography, American History, at least two lab regents in science (one physical, one living environment), foreign language (level 3), and English Regents exams. Foreign language could be modified for some special education students. An occupational or art/music sequence may replace a foreign language sequence.

Regents Exams: Pass the foreign language proficiency test or earn a unit of credit for foreign language (some special education students may be exempt from this requirement). Math A (Integrated Algebra—class of 2011 and thereafter), a regents lab science, Global History & Geography, American History and English regents exams.

Local: Same requirements as Regents but 55+ minimum scores on Regents exams where year specific rules apply (see your counselor for details).

Drop Add Procedure

- No schedule changes may be made during the first two weeks that school is in session.
- Students may drop or add courses during the third week of school. Students may drop or add a second semester course during the first week of the second semester or during first semester.
- There are mandatory parent-teacher-student-counselor conferences for changes falling outside the specified drop-add times.

The Freshman Academy

The mission of the WCCS Freshman Academy is to create a supportive environment in which all ninth grade students will successfully transition into the high school setting, will experience academic success, and will be actively involved in the school community.

Academic Intervention Services (AIS)

AIS is provided in the four major content areas (English, social studies, math, and science) for students who have been determined to be at risk of not successfully completing graduation requirements. Students are selected for AIS courses through a variety of data: state and local test scores, achievement in content-area classes, teacher, parent and/or SCO recommendations. Once identified as being at risk, the state AIS mandate requires that students remain in AIS until successful completion of the next state assessment. AIS is provided in several ways:

Active AIS services: students attend an AIS class in the designated content area(s) 2-3 times per week for 40 weeks. With the approval of the AIS team, a student may be downgraded from Active AIS to Progress Monitor AIS if sufficient success has been proven.

Progress Monitor AIS: students are not scheduled into an AIS class, but are monitored by the content area teacher and the AIS team. If necessary, students may be moved from Progress Monitor to active AIS at any time during the school year.

AIS Support Services: students who are at risk due to behavior, family, attendance, or other factors will meet on an as-needed basis with a counselor at SCO.

Occupational Education

Occupational Education encompasses the Business, Technology and Home and Career Departments. All three departments focus on hands-on, project based activities and curriculum that is employment and skills based. Each department offers students the opportunity to complete five-unit sequences and offers alternative course work for meeting local and state graduation requirements.

Alternative Coursework for Graduation & State Requirements

In the Business Program:

- Accounting II may be used as the 3rd year Math requirement and as a Business elective.
- Math 3 may be used as a business elective.

In the Technology Program:

- DDP meets the Fine Arts NYSED one credit graduation requirement

New York State Approved Occupational Education Sequencing Opportunities

ART

Studio in Art

40 weeks

1 credit

This is an introductory art course that teaches the fundamentals of drawing and design while providing the opportunity to explore many different art media. There is a weekly drawing assignment for homework to increase drawing skills. Students will engage in various class projects that may include drawing, printing, ceramics and painting.

Note: Studio in Art is a prerequisite for all other art courses.

ELECTIVES

All Art Electives are .5 Credits. Studio in Art is a pre-requisite for all Art electives.

Ceramics 1

An exploratory course in clay where students will learn the four basic methods of hand building: pinch, coil, soft slab, and hard slab. Students will also be introduced to throwing on a potters wheel. The student will gain an understanding of three-dimensional composition; construction, form, function and the ability to problem solve.

Computer Art 1

The focus on this course is on the basic technical skills needed to create digital artwork. Students will become acquainted with Adobe Photoshop & Adobe Illustrator software along with other tools used to create digital compositions.

Design and Layout 1

Students enrolled in Design & Layout will get *real* world experience designing for *actual* clients. This course will provide students the opportunity to develop and design commercial artwork such as logos, business cards, posters, flyers and t-shirts designs. Students will become acquainted with Adobe Illustrator & Adobe InDesign software along with other tools used to create commercial work.

Drawing I

Using observation drawing as a foundation, students will be introduced to several drawing techniques and apply them to creative problem solving utilizing several media. Drawing from life enhances the ability to see and will be the main focus of this course.

Jewelry I

The primary focus on this course is on design and skills needed to construct metal jewelry. Student will learn sawing, filing, piercing, soldering, and bending techniques. Students will also be exposed to various other materials used to make jewelry and the techniques associated with them. The student will gain an understanding of three-dimensional composition; construction, form, function and the ability to problem solve.

ADVANCED ELECTIVES

These advanced course may be taken twice with the understanding that the student's work needs to reflect the advanced level of study.

Ceramics Advanced

This course is designed for the serious art student who is interested in furthering his/her skills in ceramics. At the advanced level, students further explore and combine techniques using clay and glaze.

Computer Art Advanced

This course is designed for the serious art student who is interested in furthering his/her skills in computer art. At the advanced level, students further explore various computer techniques.

Design and Layout Advanced

This course is designed for the serious art student who is interested in furthering his/her skills in design and layout. At the advanced level, students further explore various design techniques.

Drawing Advanced

This course is designed for the serious art student who is interested in furthering his/her skills in drawing. At the advanced level, students further explore techniques using a variety of media.

Jewelry Advanced (2-3)

Prerequisite: Studio in Art, Jewelry 1

This course is designed for the serious art student who is interested in furthering his/her skills in jewelry. At the advanced level, students further explore and combine techniques using various media.

Painting 1

Students will explore various painting techniques by using still life, portrait, photographic references and intuitive skills as a foundation. In addition, students will develop an understanding of color theory, composition and a variety of styles.

Painting Advanced (2-3)

Prerequisite: Studio in Art, Painting 1 or 2

This course is designed for the serious art student who is interested in furthering his/her skills in painting. At the advanced level, students further explore techniques using color in a variety of media.

Photography 1

The focus on this course is on the basic technical skills needed to create and print a photograph as well as digital images. The student will work to develop his/her ability to develop skills taking, developing and printing a photograph. The student will gain an understanding of two-dimensional composition and the ability to problem solve.

The student will be required to have access to a 35 mm camera as well as a digital camera. Students are also required to buy their paper and film. A separate lab period may be required.

Photography Advanced (2-3)**Prerequisite: Studio in Art, Photo 1**

This course is designed for the serious art student who is interested in furthering his/her skills in Photography. At the advanced level, students further explore various photographic techniques.

The student will be required to have a 35 mm camera as well as a digital camera. Students are also required to buy their paper and film. A separate lab period may be required. This advanced course may be taken twice with the understanding that the student's work needs to reflect the advanced level of study.

Portfolio Prep (*New*)**Grades 11-12****Prerequisite: Studio Art, drawing and at least 1 other credit of art**

Portfolio Prep is a course for highly motivated art students. Students develop their art portfolio that must include three distinct components: (1) quality, (2) a concentrated study and (3) breadth.

This course is highly recommended for any art student considering continuing on in the art field.

Sculpture 1

The primary focus on this course is on design and skills needed to construct small sculptures. Student will learn appropriate techniques specific to the media/assignment. The student will gain an understanding of three-dimensional composition; construction, form, function and the ability to problem solve.

Sculpture Advanced (2-3)**Prerequisite: Studio in Art, Sculpture 1**

This course is designed for the serious art student who is interested in furthering his/her skills in sculpture. At the advanced level, students further explore and combine techniques using various media.

This advanced course may be taken twice with the understanding that the student's work needs to reflect the advanced level of study.

ated by its students! Each year this class participates in an international program that conducts business with other student run enterprises around the world. Students participate in a Professional Day and a Trade Fair at Genesee Community College. Students develop all components of the business, earn virtual money, make purchases in addition to selling and marketing the company products. This is a great experience for anyone who wants to own a business or for any student who is planning a business career.

Money Management **20 weeks** **.5 credits**

Would you like to be financially successful in your future? To live debt free? To be able to afford the luxuries you want? This course is a MUST! Learn how investing and personal financing can help you obtain the financial success you want for your future. Personal Finance is a computer-based course designed to explore investment information needed to take advantage of financial opportunities at different earning levels throughout life. All students must be able to manage a check book and their personal finances before leaving high school. This course will give students the skills necessary to be successful with their financial career.

S.T.E.P. **20 weeks** **.5 credits**
Senior Transition & Exit Program

Take the last *STEP* before you graduate. By enrolling in this course, seniors can expect to learn the practicalities of what it's going to take to be successful after high school. It doesn't matter if you are entering the work force, enlisting, or continuing your education, the basics are the same for everyone.

Every senior who takes this course will have a job shadow experience just to make sure you're headed in the right direction. Guest speakers, panel discussions from professionals, and a field trip experience will reinforce the essentials of finances, part and full time employment, budgets, legal rights for young adults, career planning, personal safety, and continuing education issues.

ENGLISH

English 9 **40 weeks** **1 credit**

40-week college preparatory course leading to a Regents diploma that will introduce students to various literary genres and time periods. Em-

phasis will be placed on comparing literary devices and structures that will provide the basis for critical and interpretive reading and writing skills. Students will learn research techniques involving both electronic and textual sources. Students will write a 3-5 page informative MLA documented research paper. Listening and speaking skills will be fostered through structured classroom discussions and both individual and group presentations. Students will practice listening, reading, and writing skills in preparation for the Regents exam in 11th grade.

English 9-Accelerated **40 weeks** **1 credit**
Prerequisite: Teacher Recommendation

Accelerated English 9 entails a broader study of literature over standard ninth grade English. In addition to the fundamental course overview of literature, grammar and composition, the accelerated course will involve several more novels during the course of the year (thereby increasing the pace of material covered) and more focused instruction leading to the Regents Comprehensive Examination in English in eleventh grade. This course is designed for the student seeking collegiate placement at an institution of higher learning following high school graduation. Accelerated English courses will follow in succeeding years (grades 10 and 11), culminating in AP English or college level English courses in the senior year of high school as an alternative to English 12, the standard World Literature course offered in the senior year.

English 10 **40 weeks** **1 credit**
Prerequisite: English 9

40-week college preparatory course leading to a Regents diploma that furthers the study of the development, purpose and appreciation of literature. The study of literary elements as each applies to literature will culminate in a 5-7 page MLA documented independent research paper that will involve the use of several sources of literary merit. Students will practice research techniques that involve electronic and textual sources. Listening and speaking skills will be fostered through structured classroom discussions, interview techniques and both individual and group presentations. Students will practice listening, reading and writing skills in preparation for the Regents exam in 11th grade.

English 10-Accelerated **40 weeks** **1 credit**
Prerequisite: English 9 Accelerated
and/or teacher recommendation

Science Fiction Literature **20 weeks** **.5 credit**
Grade: 12
Prerequisite:

The course will focus on the development of science fiction as a genre from the late nineteenth century to the present, with a special emphasis on post-WWII science fiction. Students will examine science fiction literature and films as social texts that reflect the historical moments in which they were created and the anxieties that technology created in those historical moments. Students will focus particularly on the question of technology today and whether it makes human life better or worse. Students will practice listening, reading, writing and speaking skills in preparation for college and/or the work force.

Creative Writing **20 weeks** **.5 credit**
Grade 12
Prerequisite:

The course will focus on the reading and writing of short fiction and poetry. Short fiction will be read in order to review and reinforce student understanding of the literary elements of a narrative (point of view, plot, character, setting, mood, tone). Poetry will be read in order to review and reinforce student understanding of the literary elements of verse (rhyme, meter, rhythm, alliteration, imagery, simile, metaphor, enjambment) as well as the genres of verse (narrative, lyric) and several common forms of verse (sonnet, blank verse, free verse, haiku). Short fiction and poetry will be written in order to demonstrate a functional understanding of these elements, genres, and forms.

A Walk On The Wild Side **20 weeks** **.5 credit**
Grade 12

This course will look at several individual whose lives were changed by the course of their actions, luck, fate, or from the help of others. The mainly non-fiction literature will provide students with an appreciation of the human spirit's determination for survival whether physical or emotional.

AP English **20 weeks** **.5 credit**
Grade 12

Through on-going class discussions and the exchange of meaningful, mature ideas, students will develop literary analysis, critical thinking, and concise writing skills. The culmination of the course will be the AP exam that is given in May. The exam is scored on the basis of 1-5. Students

Foreign Language

Level I (French or Spanish) 40 weeks 1 credit

Level I classes are for students who are beginning the study of a second language or for those who did not pass the Proficiency Examination. In Level I classes, emphasis is on vocabulary development and structural control that will enable the student to use the language at a novice level in all four communication areas. At the completion of Level I, students are expected to understand simple statements, questions and main ideas and express themselves in simple conversations dealing with the “Topics, Functions and Situations” as outlined by New York State. Students are also expected to read simple, authentic documents in the second language as well as write simple messages about familiar topics. At this level, students are introduced to the cultures of countries where the language that they are studying is spoken. They will also be expected to compare the customs of their own country to those of the places where the language they are learning is spoken. The final examination at the end of this level is a teacher-made local examination.

Level II (French or Spanish) 40 weeks 1 credit
Prerequisite: Level I or passing the NYS Second Language Proficiency Exam

Level II continues the development of listening, speaking, reading and writing skills in the target language as well as a more in-depth development of cross-cultural skills and understandings. At Level II, students are “spiraling” from Checkpoint A proficiency toward, but not yet reaching, Checkpoint B proficiency. The final examination at the end of this level is a teacher-made local examination.

Level III (French or Spanish) 40 weeks 1 credit
Grade 10-12

Level III is the final step in preparing students to reach Checkpoint B proficiency. Students complete at 3-year sequence in a second language upon successful completion of Levels I, II and III and by passing the New York State Comprehensive Examination in the second language. Students are expected to understand and note some details from short native conversations. They are also expected to be able to initiate and sustain a conversation within the limitations of vocabulary and structures (e.g. verb tenses required of this level). In addition, students are expected to grasp main ideas when reading simple narrative and descriptive documents, as well as edited prose written in the second language. At this level, students are required to write well-organized notes, letters, and essays using past, present,

and future tenses and show good control of the major structures of the second language.

Level IV (French or Spanish) 40 weeks 1 credit

Grade 10-12

Prerequisite: Level III

This advanced course of study strengthens comprehension and expression through the use of the target language in listening, speaking, reading, and writing. Classes are primarily conducted in the language being studied (French or Spanish) and students will be required to communicate both orally and in writing in the language being studied. Language structures are reviewed and expanded to clarify the message of both the written and spoken word as well as the use of nuances and colloquial French/Spanish in contemporary daily communication. The study of culture continues through literature, art, history, cinema and current event readings in order to broaden the students' knowledge of Francophone/Hispanic countries and their culture. Students are encouraged to take French 201, the first semester, for **college credit (three credit hours) from Genesee Community College**. Students who decide to take the French 201 for college credit through GCC must enroll at GCC, pay the required approximately \$150.00 tuition, and may need to purchase textbooks. See the SPECIAL NOTE at the end of the Foreign Language section regarding financial assistance.

Level V (French or Spanish) 40 weeks 1 credit Grades

11-12

Prerequi-

site: Level IV

This advanced course provides more enrichment through readings and activities that extend vocabulary and cultural awareness. Successful completion of Level V gives students a 5-year language sequence as one of the major subject areas for a Regents diploma. This advanced course continues to strengthen comprehension and expression in the foreign language in all four major skill areas. Students at this level will be expected to communicate almost exclusively in the foreign language with confidence. In addition to reading required materials, students will be asked to read some materials of their own choosing so they begin to read for pleasure in their second language. Students at this level should show an understanding as well as an appreciation of most cultural differences between the United States and the various Francophone/Hispanic countries. In addition, students should show some initiative and ease in using culturally appropriate behaviors acquired through learning or observation. Students enrolled in Level V are encouraged to take French 202, during the spring semester, for **college credit (3 credit hours) from Genesee Community College** (French 202 is a prerequisite). Students who decide to take the French 202 for college credit through

GCC must enroll at GCC, pay the required approximately \$150.00 tuition, and may need to purchase textbooks. Students are encouraged to speak with their counselor and instructor regarding college credit options. See the SPECIAL NOTE at the end of the Foreign Language section regarding financial assistance.

NOTE

The Wayland-Cohocton Teacher's Association sponsors one full tuition scholarship per year to cover the cost of tuition for a language course through Genesee Community College for Level IV or Level V. Students must apply for this scholarship through the WCCS Counseling Office. The scholarship is awarded based on financial need.

Health

High School Health **20 weeks** **.5 credit**
Grade 10-12 (required for graduation)

This **required course** provides opportunities for students to achieve the skills, knowledge and attitudes that will allow each student to attain a good quality of life and wellness in a continually changing world. The course will assist students in developing an awareness of the role that health plays in the lives of individuals, families, and community. Some of the areas studied for maintaining a healthy lifestyle are social and emotional mental health, conflict resolution, human growth and development, teen pregnancy prevention, family life, parenting, character education, nutrition/fitness, communicable and non-communicable diseases and prevention, alcohol, tobacco other drugs, first aid and safety, and consumer and environmental health.

geometry. Students enrolled in the course will take the Geometry Regents examination in June.

Geometry- Local **40 weeks** **1 credit**
Grades 10-12
Prerequisite: Math 2 or Algebra

Local Geometry is a course that allows students to investigate geometric situations without the inclusion of formal proofs. It can be taken as one of the three math courses a student needs in order to meet graduation requirements. The course does not prepare the student to take the Geometry Regents examination.

Intermediate Math **40 weeks** **1 credit**
Grades 11-12
Prerequisite: 2 credits of math

Intermediate Math is specifically designed to give the student a touch of the upper level math course without the pressure of the timetable for the Algebra 2/Trigonometry Regents examination. The students will see and work with Algebra 2/Trigonometry topics but at a less rigorous schedule. This course emphasizes algebra skills and introductory trigonometry.

Algebra 2 and Trigonometry **40 weeks** **1 credit**
Grades 10-12
Prerequisite: Geometry Regents

The students will work with the three basic trigonometry functions in a variety of ways; proving identities, solving for angles or length of a side of a triangle. Also, they will work with the exponential and logarithmic functions. They will apply transformations to functions and graphs. Students will solve quadratic equations over the complex number system. Students will use a calculator to find mean and standard deviation and their application to the bell curve. Students will find the probability of success in an experiment with two outcomes. Students will take the Algebra 2 and Trigonometry Regents examination in June.

Math Investigations **20 weeks** **1 credit**
Grades 11-12
Prerequisite: 2 credits of math

The students investigate various areas of mathematics which include solid geometry, fractal geometry, methods of problem solving, and directed graphing.

Physical Education

Physical Education* **40 weeks** **.5 credit**
(Every other day)
Grades 9 - 10
Grade 11-12

Proper attire is required: sneakers which lace, shorts, t-shirt, sweatpants or sweatshirt. Units in Physical Education include: soccer, ultimate frisbee, football, lacrosse, volleyball, basketball, swimming, floor hockey, softball, track & field, in-door recreational games, archery, tennis, badminton, fitness, swimming, basketball, volleyball, golf, indoor recreational games, outdoor recreational games, and more. The Physical Education grade will be calculated in students' overall grade point average. The grade given will be based on four (4) parts: skill application, application of strategy, knowledge of rules and etiquette, and personal/social responsibility and safety.

*** 2 credits in PE are required to graduate**

SCIENCE

All students will be required to earn a minimum of 3 science credits. One credit must be from the Physical Setting courses and one credit must be from the Living Environment courses.

Physical Setting **40 weeks** **1 credit**
Regents Earth Science w/ lab
Grade 9 and accelerated grade 8

Key areas of focus: The course will focus upon the areas of astronomy, meteorology, earth history, and earth/crust dynamics, with an emphasis on gaining a working understanding of interacting earth processes. Students will be expected to complete scientific analysis, inquiry, and design; utilize mathematical concepts/scientific inquiry; be able to process information from a variety of media and modeling sources; and make conceptual connections through systems thinking and interdisciplinary problem solving as outlined in the NYS Physical Setting/Regents Earth Science Core Curricu-

lum.

Upon completion of this course, students will be able to demonstrate experiences in all of the above focus areas by producing written laboratory reports documenting these experiences as required for admission to the Regents exam. Hands-on activities as well as the testing of process skills in Regents Earth Science will be incorporated into this laboratory work. Students completing this course should have mastered all concepts and skills necessary for a passing average in the Physical Setting/Regents Earth Science course and also for a passing performance of the Regents Earth Science Examination.

The Living Environment 40 weeks 1 credit
Regents Biology w/ lab

Students will understand and apply scientific concepts, principles, and theories pertaining to the living environment and recognize the historical development of ideas in science. Assessment will test students' ability to explain, analyze, and interpret biological processes and phenomena more than their ability to recall specific facts. Students must successfully complete laboratory experiences and satisfactorily written reports based on the laboratory investigation in order to gain admission to the Regents exam. The final exam is the Regents examination, which will test all core curriculum standards for the Living Environment/Regents Biology.

Honors Living Environment 40 weeks 1 credit
Grade 9

Prerequisite: Accelerated Earth Science or teacher recommendation

Honors Living Environment covers all of the typical units found in Living Environment in greater depth with an emphasis on more rigorous vocabulary. This course should be viewed as a bridge to Advanced Placement Biology and many of the units covered will be done so at a level well above the Regents level. The lab experience is the same as all Living Environment Classes while the lecture portion of the course involves more challenging depth and more rigorous assessments. Students in this course will take the regular Living Environment Regents Exam in addition to a local final exam.

Physical Setting 40 weeks 1 credit
Regents Chemistry w/ lab
Recommended grades 10-12

Suggested prerequisites: Algebra, Regents Biology, and enrollment in or successful completion of Geometry

Students will be introduced to the study of matter through topics including atomic structure, bonding, periodic table, math of chemistry, kinetics and equilibrium, acid base theory, electrochemistry and organic chemistry. Labs are required in addition to the regular class periods and are designed to offer students a hands-on approach to augment the understanding of the lecture topics. At the completion of this course, the student will have been asked to incorporate reading, math, reasoning and analytical skills to solve and understand the models and concepts presented.

Physical Setting

Regents Physics w/ lab

Grades 11-12

Suggested prerequisites: Math A1 and A2 and B (Algebra, Geometry, and Alg. 2/Trig)

Students in this course will be introduced to the study of physics with topics such as motion, energy, wave theory, including sound and light, electricity and atomic/nuclear physics. This course is designed to prepare students for college and is taught accordingly. Labs are in addition to regular class time and are designed to offer students a hands-on approach to augment topics covered in lecture. At the completion of this course, students will have been introduced to topics covered in no other high school science class and will have been asked to incorporate reading, math, reasoning and analytical skills to solve and understand the various models presented.

Living Environment

40 weeks

1 credit

Environmental Science

Grades 11-12

Recommended: Earth Science and Biology

Key Topics are Fall Wildflowers, Your Place in the Finger Lakes, Birds of the Finger Lakes, The Adirondack Park, Wilderness Navigation with GPS, and Spring Wildflowers. Additionally, outdoor research/data collection will occur on the Science Trail on campus. Typically, two fieldtrip experiences are scheduled: one involves assisting the N.Y.S.D.E.C. by stocking brown trout in the Cohocton River while the second trip is an eight-hour tour of the Finger Lakes Region focusing on Keuka and Canandaigua Lakes. Such field trip experiences are a privilege and students will be withheld at the discretion of the instructor based on behavior, grades, and attendance.

Upon completion of this course, students will be expected to have a solid understanding of the unique environmental challenges we face as citizens of the Finger Lakes Region. They will also have vast knowledge of the local environment and its inhabitants, particularly the local wildflowers and birds. Students will have gained some insight into possible careers in the

field of environmental studies and will have participated in a community service project with the Department of Environmental Conservation.

Living Environment **40 weeks** **1 credit**
Greenhouse Science
Grades 10-12

There are no prerequisites for this course. Alternate days will be spent in a traditional classroom and in the school's three thousand square foot handicapped accessible greenhouse lab. A minimum of 35 formal labs with a minimum of 1,400 minutes of lab time will be accomplished. The course consists of thirteen competency based units and eight long-term projects. The final exam will have four parts, each with equal value. These parts will involve content-based multiple choice questions assessing the student's knowledge and understanding of core material; multiple choice and constructed response questions based on content and skills taught and assessing the student's ability to apply, analyze, and evaluate material; extended response items with real world context; and questions based upon greenhouse work experiences and greenhouse labs. Upon completion of this course, students will have an awareness of greenhouse safety, structures, equipment, and management, as well as opportunities for employment that greenhouse work may bring.

Science Lab Assistant **40 weeks** **.5 credit**
Physical Setting and Living Environment
Grade 11 or 12

Prerequisite: Completed Living Environment and Chemistry, teacher recommendation required

Students selected as Lab Assistants will be responsible for basic lab set up including, but not limited to, making solutions, gathering materials for each lab, helping to keep track of chemical stock, assisting other students in lab when possible, organization of the lab and general clean up. Lab Assistant positions are targeted to students who are interested in pursuing a career in the sciences and would like to continue to be involved in sciences from the lab point of view. The students should be organized and be willing to work. The students will be under the direct supervision of the science lab teachers. The number of students selected as Lab Assistants will be limited to one per period and subject to lab teacher approval.

AP Biology **40 weeks** **1 credit**
Prerequisite: Earth Science and Honors Living Environment or teacher recommendation

States history. There is also a strong emphasis on writing skills. Students will learn how to write Regents level thematic and document-based essays. By the completion of this course, students will have the writing skills, and the necessary historical knowledge, to successfully move into Global History and Geography II.

Foundations of World History 40 weeks 1 credit

Grade 9 Accelerated

Prerequisites: Recommendations from the student's 8th grade

Social Studies teacher

This course is an accelerated course, intended for those students who wish to pursue the Advanced Placement World History curriculum and an AP World History examination in grade 10. This course will examine world history from pre-history through to 1000 AD. The course will be taught according to AP (Advanced Placement) guidelines and is considered the first half of a two-year program of AP World History (AP exam is taken in the Spring of the 10th grade). The assessments in this course will be parallel to the AP examination.

Global History and Geography II 40 weeks 1 credit

Grade 10

Global History and Geography II is the second year of a two-year Regents course. A Regents exam is given at the end of the tenth grade that includes information learned in Global History and Geography I. This exam, as well as both years of the course, must be passed in order for the student to graduate high school.

Units for Global History and Geography II include

An Age of Revolutions(1750-1914)-political, social and economic as well their effects.

A Half-Century of Crisis and Achievement-covers the period of and between the World Wars.

The 20th Century since 1945 –modern world history and its global effects.

Global Connections and Interactions-ties together the 2 years of the course.

There is a strong emphasis on the writing skills. Students will continue to master thematic and document based essays (DBQs) required by the Regents. By the completion of this course, students will have the necessary

historical knowledge to be able to pass the Global History and Geography Regents examination and continue this success on the new 11th grade American History course.

United States History **40 weeks** **1 credit**
Grade 11

American History is an overview of the history of the United States with emphasis on the United States as an industrial nation. Constitutional and legal issues are developed as well as circumstances involving international commitments. This course of study is organized chronologically. All students must pass this course and the associated Regents examination as a requirement for graduation.

Participation in Government **20 weeks** **.5 credit**
Grade 12

This fourth year mandate is a one-semester course in the participatory aspects of American government. Emphasis will be on the interaction between citizens and government at all levels - local, state, and national. Law related education is fused into this program.

Economics **20 weeks** **.5 credit**
Grade 12

This fourth year mandate is an economics course dealing with the basic economic concepts and understanding that all people need to function effectively and intelligently as citizens and participants in the economy of the United States and the world.

AP World History **40 weeks** **1 credit**
Grades 10 -12
Prerequisite: Foundations of World History

This college level course begins with the "Foundations," an introduction to the course that focuses on setting and historical and geographical context. What follows for each of the periods is an outline of major developments that students are expected to know and be able to use in making comparisons across cultures. These developments and comparisons relate to six overarching themes. The ordering of the developments suggests chronology and depth of coverage. For each period after Foundations, periodization is the first major task and serves to create links and explain differences with the period just covered and with the period to come. For all periods, major interpretative issues, alternative historical frameworks, and historical de-

bates are included.

All students are expected to take the AP exam. Taken in mid-May, grades on this exam may be applied for college credit, depending on the institution.

Note: Students who have not previously taken the Global History Regents Examination will be expected to take both the AP exam and Regents exam. The Regents exam must be passed in order for students to graduate from high school.

Students who enroll in AP classes, must pay for and take the AP exam. The school district will pay for half of the student exam fee. Students who may have difficulty affording the remaining fee may contact a school counselor to discuss available financial aid options.

AP United States History 40 weeks 1 credit
Grade 11
Recommended for advanced 11th graders

The AP program in United States History is a college level course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in United States History. This program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full year introductory college courses. Students should learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. An AP United States History course should thus develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Successful completion of the Advanced Placement Examination may result in the acquisition of three to six credit hours toward a college degree.

This course fulfills the eleventh grade Regents US History course requirements, although students are still required to take the Regents examination in United States History in June. This is a college level course, so it will be challenging and should be attempted by advanced students with high averages in English and Social Studies. Students who enroll in AP classes, must pay for and take the AP exam. The school district will pay for half of the student exam fee. Students who may have difficulty affording the remaining fee may contact a school counselor to discuss available financial aid options.

**Note: Students will be expected to take both the AP exam and the United*

human rights, current abuses of human rights and what can be done about them. Students will do research using the Internet and will have a final project that must be presented in multimedia form using Microsoft Power Point. By the completion of this course students will have a better understanding of the human rights issues and will have the tools to do specific research on the Internet. They will also have the ability to produce a persuasive multimedia project.

Introduction to Psychology **20 weeks** **.5 credit**
Suggested for grades 11-12

Introduction to Psychology is a 20 week elective open to all students enrolled in 11th and 12th grade. There is no prerequisite class. Key topics include a brief history of psychology, psychological research, learning, motivation and emotions, personality theory and transactional analysis. Students will be introduced to specific historical individuals, psychological disciplines, and terms that are usually found in a college freshman psychology course. By the completion of this course students will have a good understanding of important psychological terms. They will also know techniques to improve the retention of their studies, simple ways to modify their own negative behavior, and how to stop "games" playing. These skills will help anyone but they will be especially beneficial to students contemplating a college major in the human service field.

Introduction to Psychology 101 **20 weeks** **.5 credit**
Suggested for grades 11-12, advanced students
College level course for GCC credit

The recommended population for this course is advanced students who want to do college level work and receive college credit through Genesee Community College for Introduction to Psychology. There are differences between this course and the non college credit Introduction to Psychology course. Students in this course will be expected to do college level readings, research and writing. This course will focus more on the college syllabus and less on the sections geared to help high school students, which is a major focus in the non-college credit course.

Students must pay approximately \$150.00 for tuition to GCC. See SPECIAL NOTE at the end of the Social Studies section regarding financial assistance.

Current Events **20 weeks** **.5 credit**
Grades 11-12

This upper classman elective course of current events from aspects in American government, politics and contemporary media will inform stu-

dents of relevant events happening while linking their significance to the past. Emphasis will be on the interaction of forming a foundation of knowledge regarding the world that students will be required to function in after finishing high school. Students will complete a presentation of the year in review which will develop speaking, writing and time management skills. The class will also contain a geography component as student will be required to specifically locate where the studied events are occurring.

Italian Language/History and Culture Class **20 weeks** **.5 credit**
Grades 11-12

Students in this class will be introduced to the Italian language, history and its diverse culture. They will be able to grasp a key understanding of the language and be able to communicate with an Italian at a basic level. The students will get an understanding of the vast history of Italy and the different culture of each region of Italy through a variety of projects, movies and newspaper articles directly from Italy. They will be listening to an assortment of different Italian music ranging from opera to rock to rap in order to better understand the differences in music all over the world. They will be making Italian food for the class. They will also be taking a field trip to an Italian restaurant towards the end of the class. Such field trips are a privilege and students will be withheld at the discretion of the instructor based on behavior, grades and attendance.

TECHNOLOGY

CADD **20 weeks** **.5 credit**
(Computer Aided Drafting and Design)
Grades 9-12
Prerequisite: DDP or Technical Drawing

Are you interested in a career in engineering, architecture or industrial design? Then this is the course for you. Most colleges that specialize in these subjects require a background in CADD. This course will introduce you to AutoCAD 2005, the industrial standard for CADD programs. In this course you will see how the computer is used as a powerful tool in technical drawing and design.

Construction Systems **20 weeks** **.5 credit**

Grades 9-12

Have you thought about a career in construction? Hope to own a home someday? Then this course will be of interest to you. This course will introduce you to a wide variety of construction topics. These would include: wall construction, house wiring, plumbing, foundations, roofing, along with several others. Students will complete activities in each of these areas and work on the class project. The class project for this year's course is a backyard shed.

DDP **40 weeks** **1 credit**
Design and Drawing for Production
Grades 9-12

Not interested in learning to play an instrument or taking an art class? Then this course is a must. DDP will meet your high school fine arts requirements. A full year technology course, DDP will expose you to a variety of technical drawing, design, problem-solving and materials processing. After developing skills in each of these areas you will design, develop and construct a project of your choosing.

Electricity/Electronics **20 weeks** **.5 credit**
Grades 9-12

Are you interested in the world of electronics? Would you like to better understand how electronics works? This course will provide you with an introduction to basic electronics. Through a series of experiments this laboratory-based class will give you the opportunity to see first hand how electricity works and is controlled. In addition to lab experiments, you will get to complete several fun and interesting electronics projects.

Materials Processing **20 weeks** **.5 credit**
Grades 9-12

Do you like working with your hands? Have you ever wanted to learn to how use the big machines in the Tech rooms? Then this traditional style "shop" course is for you. In this hands-on course you will learn the safe and proper operation of the table saw, jointer, and surface planner as well as other tools and machines in order to construct a jewelry box. Students taking this course will have the opportunity to complete other projects in woods, metals and plastics.

Principles of Engineering **20 weeks** **.5 credit**
Grades 9-12

Interested in a career in engineering? Like thinking outside the box? Then this fun and challenging course should be right up your alley. Students taking this course will compete with their classmates to find the best solutions to challenging problems. Projects in this course include: bridge building; mousetrap powered vehicles, catapults, robotic arms, as well as a variety of other problem-solving activities. Warning: this course is reserved for students willing to work independently.

Production Systems **20 weeks** **.5 credit**
Grades 9-12

Have you ever wondered what it is like to work in an industrial setting? This course is designed to model a real life business. Students in this course form a small company to produce, market, and sell a product. Each student will be asked to design, develop, and present a product idea to the class. The class will then select the product that it wishes to produce and sell. Students will elect company officers, interview for positions and participate in the production, marketing and selling of the class project. Field trips will be taken to see some of the industries in our area.

Transportation System **20 weeks** **.5 credit**
Grades 9-12

Every year students in this course complete a major class project. In past years students have worked on kayaks, canoes and go-karts. The project for this year's class is undecided. Three major units: aerospace, land, and marine transportation make up this course. Learn about and complete projects in each of these areas.

Notes

