

COURSE
DESCRIPTION
BOOKLET



Campbell-Savona Central School
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Introduction and Instructions

To plan your program for high school, you will need to have certain information available to you. This handbook includes:

- 1) Graduation requirements, and
- 2) Descriptions of courses tentatively available at Campbell-Savona.

You will be seen in a group to receive needed information and then problems and questions will be handled on an individual basis. We will collect your registration forms and then mail a copy home to your parents. We will give you and your parents a deadline for any changes you may have. You should contact Mr. Burns, or Mrs. Potter if you or your parents have any questions.

Course selections for next year must be made in final form by a date to be announced. You will be making a commitment with your selection, so take it seriously and sign up for courses that meet **your** needs. It should be understood that it may not be possible to take every course you select because of **schedule conflicts, insufficient enrollment, budgetary limitations, staff size, etc.**

As a general policy, every student should carry a minimum of 6 1/2 credits. This may vary depending upon the student's ability, program, and course difficulty. Please note: we require that you have no more than four (4) study halls per cycle, so choose your courses accordingly.

Minimum Graduation Requirements

SUBJECT	REGENTS DIPLOMA	REGENTS DIPLOMA WITH ADVANCED DESIGNATION	LOCAL DIPLOMA
English	4 units	4 units	4 units
Social Studies	4 units	4 units	4 units
Math	3 units	3 units	3 units
Science	3 units	3 units	3 units
Fine Arts	1 unit	1 unit	1 unit
Health	½ unit	½ unit	½ unit
Physical Education	2 units over 4 years	2 units over 4 years	2 units over 4 years
Second Language**	1 unit	3 units	1 unit
Electives	3 ½ units	1 ½ units	3 ½ units
Total Credits Earned	22 units	22 units	22 units

** Students may choose to substitute a 5-credit sequence in occupational education or Fine Arts for their Foreign Language requirement

TESTING REQUIREMENTS

<i>Entering 9th Class</i>	<i>Local Diploma</i>	<i>Regents Diploma</i>	<i>Regents Diploma with Advanced Designation</i>
2003 & 2004	Score of 55-64 on 5 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.**
2005	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.
2006	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.
2007	Score 65 or above on 4 required Regents exams and score 55 or above on 1 required Regents exam. 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.
2008 & 2009		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.

** Students who choose to substitute a 5-credit sequence in occupational education or Fine Arts for their Foreign Language requirement only need to score 65 or above on 7 required exams.

Note: The Regents Competency Test safety net for students with disabilities will continue to be available for students entering grade 9 prior to September 2010. Students using this safety net will receive a local diploma. The low-pass option of scoring between 55-64 on the required Regents exams to learn a local diploma will continue to be available for students with disabilities.

Required exams for certain diplomas:

Regents Diploma

Students must score a 65 or higher on the following Regents exams:

- Math A or Algebra
- One Science (Earth Science, Living Environment, Chemistry, or Physics)
- Comprehensive English
- United States History and Government
- Global History and Geography

Regents Diploma with Advanced Designation

Students must score a 65 or higher on the following Regents exams:

- Math A or Algebra
- Math B or Geometry and Trigonometry
- Two Science (Earth Science, Living Environment, Chemistry, or Physics)
- Comprehensive English
- United States History and Government
- Global History and Geography

Local Diploma

Please refer to the chart at the bottom of page 3 for grade-level specific information and requirements.

For Students with Disabilities, who fail to pass a specific Regents exam, the testing requirements for a **Local Diploma** may be met by scoring a 65 or higher on the Regents Competency Tests (RCTs).

Diploma with Honors

In order to earn honors designation, a student will achieve an average of 90 percent in all Regents required for the diploma. Honors may be awarded for both the Regents Diploma and the Regents Diploma with Advanced Designation. Each Regents exams score carries a weight of one. Averages below 90.0 per cent shall not be rounded upward to 90 per cent.

Adding/Dropping Classes:

The course registration process is a very involved and serious matter for students. The guidance office spends a lot of time working with students and parents to develop an appropriate course of study. It is important for students and parents to communicate throughout the scheduling process. Schedule changes should be made over the summer, to ensure students are prepared for classes in September. Dates and times for such meetings will be included when student schedules are mailed home in August. There are certain situations that may arise which warrant a schedule change once school begins. However, in most situations students should remain in the courses they have signed up for.

Procedure for adding/dropping a course:

The add/drop dates run between the beginning of the 3rd week and the end of the 6th week of the school year. The procedure for dropping or adding a course requires that a student first talk with the respective teacher. Then, a “Student Schedule Change” form is obtained from the student’s guidance counselor. This form must first be signed by the parent/guardian and then signed by the teacher. Once all signatures have been received, the signed form is returned to the guidance counselor, who will officially change the schedule. Until all of the above steps are completed, students are to follow their existing schedule.

High School Grade Level Assignments

To be promoted to the next grade level, students in grades 9-12 must have earned the following minimum number of credits:

- Grade 10 – Freshmen who have earned 5.5 credits will be promoted to the 10th grade.
- Grade 11 – Sophomores who have earned 11 credits will be promoted to the 11th grade.
- Grade 12 – Juniors who have earned 16.5 credits will be promoted to the 12th grade.

Students will not be moved ahead of their regular class status. Students will have the opportunity to “double-up” their 11th and 12th grade years.

ENGLISH COURSE DESCRIPTIONS

English 9

**9th Grade
1 credit**

This course covers an in-depth study of literature including novels, drama, an epic poem, short stories, and essays. Students will discuss similarities and differences among the genres as well as develop writing skills through thematic, evaluative, and critical lens essays. Students will develop skills necessary for the eleventh grade Regents exam. This will be accomplished through listening, writing, and reading comprehension activities. Vocabulary and grammar studies will also target development in student writing. Independent Reading is an additional component of the course, which encourages students to take responsibility in meeting personal goals. The requirement of a research paper using MLA documentation is designed to introduce students to formal research and give them the opportunity to apply classroom reading and writing strategies. Students will also be required to complete a public speaking component of the research project. A comprehensive final exam will be given during the last week of the course.

English 10

**10th Grade
1 credit**

This course will focus on students developing mastery ability to analyze various genres of literature, including short fiction, poetry, non-fiction structures, drama, and the novel. Students will examine literary techniques implemented by various authors and relate these techniques to the different genres and their own writing assignments. An MLA research paper will also be completed during the second half of the course.

The goal of this course is for students to feel more comfortable in their writing skills and abilities, both analytical and creative. They will be more independent in their problem solving, and their critiques of literature should be heightened. This will prepare them for the New York State English Regents Examination they will be required to take during their junior year. Throughout their tenth grade English class they will cover the standards the state has designed to prepare them for the Regents exam.

As sophomores they will begin to grow as writers and develop a more sophisticated level of thinking, writing, and speaking. They will be expected to mature as independent learners and be responsible for their academic success in this course.

English 11

**11th Grade
1 credit**

This course will help students attain the advanced skills necessary to research, organize, analyze, and communicate effectively. Stimulating literature from which they will gain insights about themselves and human nature will challenge students. Through the study of literature and class discussion, students will become increasingly aware of the connection between life and literature.

Students will write essays that will critically evaluate and analyze works of literature. They will also be able to gather, organize, and document information, culminating in a research paper following MLA documentation format. By the end of the year, students will be prepared for the English Regents Exam.

Honors English 11

**11th Grade
1 credit**

Prerequisite:

- Average of 88 or higher after the 1st two marking periods in English 10 AND Teacher recommendation

Honors English 11 students will be immersed in intensive reading assignments covering drama, novels, short stories, and essays. Written essays will require critical analysis of written texts. Students will complete persuasive research papers following MLA format as well as write and deliver speeches. Students will be able to explore their writing further through creative writing.

The principle aim of the course is to prepare students for the rigors of college level reading, writing and speaking. Vocabulary enrichment and grammar instruction will help to improve speaking and writing abilities. Independent thinking and in-depth class discussions are requirements of the class.

English 12

**12th Grade
1 credit**

Enrichment and preparation for college will be the emphasis at this level. The students will practice a variety of writings such as persuasive compositions, creative writings and critical and interpretive writings which reflect clear and logical thinking. Research skills should be emphasized with the students learning to use the resources available at the school library as well as college library so they are familiar with the differences that exist.

Vocabulary development will be stressed with special emphasis on developing a college level vocabulary.

Several types of literature will be presented with an emphasis on classical literature, though some more contemporary literature may be introduced as well. Proper literary essay format will be taught as well as additional vocabulary development.

Speaking and discussion skills will be developed through class discussion as well as individual speeches in class so as to prepare the students for speaking in public forum.

ACE ENGLISH

**12th Grade
1 credit**

BACKGROUND: This ACE English program is sponsored by Corning Community College for those exceptional senior English students who wish to earn college transfer credits while still attending high school. These students must observe a strict attendance policy, which is established by Corning Community College.

ADMISSION (admission into the program is contingent on three areas):

- ✓ Student's English 11 average after 2 marking periods must be at least 89.
- ✓ The instructor must recommend the student for the course based on the following guidelines:
 - The student displays an interest in higher learning with a positive attitude.
 - The student shows a desire to achieve through hard work and dedication.
 - The completion of work in English 11 is in compliance with given deadlines.
 - The written essays completed in the first two marking periods scored 86 or higher and displayed maturity in thought and composition.
- ✓ A summer reading assignment must be completed over the summer and turned in the first day of class in September.

ACE English consists of two one-semester college-level courses. The first, ENGL 1010, is an expository writing course with a focus on argumentative and persuasive writing. The second, ENGL 1020, is an analytical and interpretive writing course, which is literature based. Successful completion of ENGL 1010 is a prerequisite for admission to ENGL 1020.

FIRST SEMESTER: ENGL 1010, 3 college credits, 1/2 high school credit, no semester final exam

Course Description: ENGL1010:

Essay writing designed to sharpen the student's perceptions of the world and to facilitate communication with correctness, clarity, unity, organization, and depth. Assignments include expository writing, argumentation, and research techniques. Writing is intensive with students completing 5 essays of at least 500 words and 1 research paper of at least 1500 words.

SECOND SEMESTER: ENGL 1020, 3 college credits, 1/2 high school credit, semester final exam

Course Description: ENGL 1020

This course is also an expository writing course that relies on a study of literature as a basis for the essay writing (writing is intensive with a minimum of 5 required essays and a final exam.) In this course students will be introduced to the four basic literary genres--drama, short fiction, the novel, and poetry. Students will develop their own emotional and analytical response to this literature within the critical framework of standard literary analysis. Students will be able to relate what they have read to their own personal experience and to clearly express their reactions to literary works by continuing to utilize and develop those expository writing skills included in ENGL 1020.

Media and Journalism

**11th and 12th grade
3/4 credit**

This course introduces students to the theory and practice of print and screen media and journalism. Students will study the different aspects of newspaper, magazine, advertisement, radio, and television journalism and media. Students will write their own journalistic articles, produce their own advertisements, and create original screen media using different types of technologies and mediums. This course is designed to provide students with a background in the history, background, purposes, and production of media and journalism.

Theatre and Drama Elective

**11th and 12th grade
3/4 credit**

This course is designed to introduce students to the varied aspects of theatre and drama. Students will:

- Develop a sense of team work
- Read and analyze plays
- Develop oral reading skills
- Recognize character motivation
- Learn stage terms
- Learn to memorize lines
- Perform a one act play
- Write critiques

SOCIAL STUDIES COURSE DESCRIPTIONS

9th Grade Global Prep Class

**9th Grade
1/2 credit**

This course will be offered for 1 semester of ninth grade and meet 3 times a week. As the focus of the class will be to prepare students for the Global History Course taken in 10th grade, this course will focus on developing the skills necessary for success in Global 1 and 2. By focusing on current events and other pertinent social studies topics, students will learn how to “unpack” documents, practice effective writing techniques, improve literacy and historical reading skills, and become familiar with global geography. The class will be taught using a variety of strategies and techniques that will encourage students to think critically and work both independently and collaboratively.

Global History and Geography I and II

**10th Grade
1 credit each**

Global History is designed to focus on the five social studies standards, common themes that recur across time and place, and eight historical eras. The eight historical eras are: Ancient World, Expanding Zones of Exchange, Global Interactions, First Global Age, Age of Revolution, Crisis and Achievement (1900-1945), 20th Century since 1945, and Global Connection and Interaction. Work includes homework, class discussion, examination, current events, map work, and class projects. In ninth grade the students are heterogeneously grouped. There is a comprehensive Regents exam at

the end of the course which covers all the material in Global History I and II.

United States History and Government

**11th Grade
1 credit**

This course is designed to help students understand America's past and present. Through guided studies in many types of media, students are expected to discover principles about America. The course is a largely chronological study of American History with emphasis placed on government, economics, social change, and foreign affairs. All students will take a Regents Exam.

ACE American History I & II

**11th Grade
1 credit**

Both semesters are reading and writing intensive and therefore only recommended for students who enjoy history and are willing to complete the extra work outside of the classroom. The course is sponsored by Corning Community College who assigns the text, monitors class lessons and assessments.

Prerequisites for course admission:

1. Students must pass a writing placement test given by CCC prior to enrollment.
2. Student's 10th grade Global history average after 2 marking periods must be at least 85.
3. Recommendation from their 10th grade history teacher

American History I (HIST 1110) 3 college credits

Dreams and concepts brought to the New World and their development into America's institutions and social fabric. Conflict and consensus among groups, dilemmas facing revolutionaries and reformers, and ways economic, political and social changes have occurred.

American History II (HIST 1120) 3 college credits

End of the Civil War to the present. Topics include industrialization-urbanization, racism, sexism, the new manifest destiny, political changes and the growth of a modern nation

Participation in Government

**12th Grade
1/2 credit**

This course will emphasize the interaction between citizens and government at all levels, local, state, and federal. The course will encourage students to understand and participate in the democratic process. It will be based upon knowledge about the formal powers, procedures, and structures of government in the United States which have been developed during previous courses. The course will be developed on several levels, from the study of how political decisions are made to the provision of opportunities for students to participate in political decision-making. Throughout the course, key civic values and analytical concepts will be developed and reinforced. However, the ultimate goal will be to prepare students for effective participation in the United States democratic process. Special requirements must be met in order to take this course for ACE credit.

ACE American Federal Government

**12th Grade
1/2 credit**

This course will emphasize the theories and practices of American Federal Government with emphasis on the national level. The course will explore changing relationships between the branches of the national government, policy formulation, political parties, pressure groups, and the growth of presidential powers. This course is writing intensive.

Economics

12th Grade

1/2 credit

This course will include the basic economic concepts and understandings which all persons will need to function effectively and intelligently as citizens and participants in the economy of the United States and of the world. Some of the major concepts which will be dealt with are scarcity, productivity, opportunity cost, supply and demand, inflation, profit, interdependence, capital, competition and the market. The course will not be one in consumer education, but will emphasize a rational decision-making process which should be applied to all economic decisions. The major focus will be on the economy of the United States, but other economic systems will be addressed. The course will include topics, which examine the basic principles of economics, the elements of an economic system (micro-economics), the overall operation of an economic system (macro-economics), and the world economy and international trade, finance, as well as the enterprise system and entrepreneurship.

History in Film

10th - 12th Grade

3/4 credit

This course will look at some famous and not so famous events from 20th Century American history through the eyes of Hollywood filmmakers. Using classic Hollywood movies such as “The Grapes of Wrath”, “To Kill a Mockingbird”, “Saving Private Ryan” and others, we will examine the social, economic, and political values of America and how they have changed over time. Great stories told by great filmmakers and actors help history come alive and give students a different perspective on what they read in their textbooks. The right films can be a fun and powerful learning experience. Students should expect that the films shown in class will be ones that they have not seen before and are assured that they are all cinema classics.

By utilizing classic Hollywood films, this course will explore key periods in World History in an entertaining manner. Using films such as “Ben Hur”, “Doctor Zhivago”, “All Quiet on the Western Front” and others, students will examine the social, political and economic influences on important time periods in World History. Students can expect that the films shown will be ones which they have not seen before and are all cinema classics.

This class is only recommended for students with an interest in history and classic films. Good attendance is mandatory and students should be advised that many of the films are in black and white and some are in color.

American Civil War & Current Events in Social Studies

10th – 12th Grade

3/4 credit

This course is designed to allow students an in-depth look into one of the most turbulent periods in American History. Students will be participating in group projects and individual projects as well as people and battle research. Information for the course will come from movies and videos, the Internet and lectures. Topics will include: The road to the Civil War, the Southern States secede, specific battles, strategies of the North and South, ending the war and picking up the pieces.

The other half of this course is designed to expand the students’ awareness of world wide current events, and to help them understand the multiple views of each event. The class is also designed to improve the students’ ability to express their thought in writing. The students will focus on **Social, Political, Religious, technological and Economic** stories as they occur in the news.

Each student will be assigned a different topic every week that they are responsible for researching, presenting and writing their reflections on. The **first class** of each week will be spent finding, reading and preparing notes on a specific story related to their topic area. The source of these stories will come from news papers, magazines, and the internet. The **second** day will be dedicated to writing their reflection paper and the **third** day will be spent presenting and discussing the issues as a whole group.

Each student will be required to present and turn in 15 reflection papers on the various topics. On the third day of the week class discussion will be vital to making this class a success and therefore participation will be weighed into the grade. Each reflection paper will be at least **500 words** long, with a summary of the article or issue, description of the opposing views, and your position on the matter. Be prepared to defend your position as well as criticize the opposite position with facts.

Human Rights Activism

10th – 12th Grade

This course will allow students the opportunity to actively participate in Human Rights related activities and experiences in an effort to raise awareness, as well as instill in students the concept that it is well within their means to improve the conditions of the world. Students will work collaboratively to complete projects, hold fundraisers, conduct research, and advocate all in the name of Human Rights activism.

MATH COURSE DESCRIPTIONS

Algebra

**9th Grade
1 credit**

Algebra is the first course in the new 3 year integrated math series and is designed to help students meet the New York State Standards for mathematics. Students will take Algebra for their entire 9th grade year and will take the Algebra Regents exam in June of that year.

Students in Algebra will be studying various aspects of algebra, trigonometry, probability, statistics, Euclidean geometry, and coordinate geometry. Real life application of and problem solving with math skills learned are emphasized.

Algebra I

**9th Grade
1 credit**

Algebra I is the first course in a 2-year sequence to complete the new Algebra curriculum and prepare for the Algebra Regents exam. It is designed for students that need more time and a slower pace to successfully complete the Algebra curriculum. Students will take Algebra I for their entire 9th grade year and Algebra II for their entire 10th grade year. Students will take the new Algebra Regents exam at the end of 10th grade.

Topics of study in Algebra I include various aspects of algebra, Euclidean geometry, and number theory. Real life application and problem solving with math skills learned are emphasized.

Algebra II

**10th Grade
1 credit**

Algebra II is the second course in a 2-year sequence to prepare students for the Integrated Algebra Regents exam. Students must successfully complete Algebra I to be eligible to take this course. Students will take Algebra I for their entire 9th grade year and Algebra II for their entire 10th grade year. Students will take the Algebra Regents exam at the end of 10th grade. A passing grade (65 or above) on the Algebra Regents exam is required to receive a Regents Diploma.

Algebra II topics include algebra, trigonometry, coordinate geometry, probability, statistics, and symbolic logic. Real life application of and problem solving with math skills learned are emphasized. Review and preparation for the Algebra Regents exam are also included.

Intermediate Algebra

**11th Grade
1 credit**

This course is designed for the student that wishes to further enhance their mathematical skills in preparation for college. Students must have taken and passed Algebra I and II and the Algebra regents exam to qualify for this course.

Various topics in intermediate algebra including functions, complex numbers, and solutions of quadratic equations will be covered. Trigonometry, probability, and statistics will also be included. In each lesson, concepts will be presented using real-life situations and are designed to be as practical and realistic to the student as possible. A graphing calculator will be used extensively in this course.

Geometry

10th Grade

1 credit

Geometry is the second course in the new 3 year integrated math series. Students will take Geometry for the entire year and take the Geometry regents exam at the end of the course. A grade of 65 or above is required on the Geometry regents exam to receive a Regents Diploma with Advanced Designation.

Topics of study in Geometry include proof, parallel lines and polygons, quadrilaterals, similarity, right triangles, geometry of the circle, coordinate geometry, 3-D geometry, construction and loci, and transformational geometry.

Math B-II

**11th Grade
1 credit**

Math B-II is the second course in the Math B series. To be eligible for this course, students must have taken and passed either Math A/B or Math B-I and the Math A Regents exam. Students will take the Math B Regents exam at the end of this course. A passing grade (65 or above) is required on the Math B Regents exam to be eligible for a Regents Diploma with Advanced Designation.

Topics of study in Math B-II include advanced algebra, geometry of the circle, relations and functions, conics, logarithms, transformational geometry, trigonometry, probability, and statistics. Real life application of and problem solving with math skills learned are emphasized. Preparation and review for the Math B Regents exam are included.

This is the last year that math B-II will be offered.

Pre-Calculus

**12th Grade
1 credit**

This course is designed for the college bound student. Students must take and pass Math B and the Math B Regents exam to be eligible for this course.

Topics include advanced algebra, polar coordinates, sequences and series, vectors and determinants, conic sections, limit theory and an introduction to calculus, and the use of graphing calculators.

ACE College Statistics:

**12th Grade
3/4 Credit**

This course is offered through Corning Community College's ACE program. Students must take and pass Math B and the Math B Regents exam to be eligible for this course.

It is strongly recommended that students purchase a graphing calculator for use in this course.

Material covered in this course is college level. Topics covered include analysis and description of numerical data using frequency distributions, histograms, measures of central tendency, and measures of dispersion. Elementary theory of probability with applications of binomial and normal probability distributions, sampling distributions, hypothesis testing, chi-square, linear regression and correlation will also be studied.

Earth Science

9th Grade
1 credit

This course is designed to study the Earth and how it functions in the universe. Students will study the basic geology of the Earth from rocks and minerals to reading and interpreting maps. A large part of this course is laboratory experience, with 1200 minutes of laboratory experience required to take the Earth Science Regents exam. These labs will introduce and help to develop laboratory skills that will be used on the Performance Assessment portion of the Regents exam in June as well as, in future science courses. Successful completion of the Earth Science course will earn the student a regents credit in the Physical Setting component of the Science program.

Living Environment

10th Grade
1 credit

This is a rigorous introductory general biology course. Students will survey the five living kingdoms and the life functions that bind all living things together. They will develop laboratory skills to study their environment from cells to ecosystems. Special topics will include biochemistry, human physiology, reproduction and development, genetics, ecology, and evolution. There is a State Regents Exam at the end of this course; all laboratory requirements must be met in order to take this exam. This class meets the state requirement for 1 credit in life science. **Passing this course is a requirement for graduation.**

Chemistry

11th-12th grade
1 credit

Regents Chemistry is a full year course that covers a range of topics that includes the following:

Atomic Concepts of the atom, its structure and subatomic particles. The **Periodic Table** of the elements is studied along with properties and relationships among the elements. A unit called **Moles/Stoichiometry** is covered which includes chemical formula naming and writing, as well as defining and explaining the mole and stoichiometry in chemistry.

Chemical Bonding is covered along with **Physical Behavior of Matter**. (This includes phase changes, mixtures and solutions.) **Kinetics and Equilibrium** is a unit that explores the interactions of chemicals and how they will react with each other. **Organic Chemistry** is a unit of chemistry dedicated to chemical compounds made of carbon. Such compounds include acids, fuels, even plastics. **Oxidation –Reduction** is a unit of chemistry involving the electric charges involved in chemical reactions including batteries, electroplating, and even corrosion. **Acids, Bases and Salts** is the unit that defines what these chemicals are and what they are made of. **Nuclear Chemistry** explores topics such as Half-Life, Nuclear energy, Natural and Artificial radioactivity.

There is the state requirement of lab activities for Regents Chemistry. The course does involve some mathematics skills at the Math A ability level. Students take the Chemistry Regents examination at the end of the year.

Physics

11th-12th grade
1 credit

Regents Physics is a full year course that cover the following units:

Mechanics: Mechanics includes such topics as displacement, velocity, acceleration, Force, Friction, gravitation and gravity, circular motion, momentum, impulse, kinetic energy, potential energy, work, power, spring forces and spring potential energy. **Waves and Optics:** Waves and optics includes the speed of waves including sound and light waves, the period and frequency of waves, reflected and refracted waves along with mathematical formulas used to describe their behavior. This also includes the Doppler effect, resonance, the Electromagnetic Spectrum and how light behaves when passing through certain optical devices. **Electricity:** This unit includes static electricity and electricity involved with electric currents. Electric circuits, power and energy as well as electrical resistance will be covered in this topic area.

Modern Physics: Modern Physics looks into the new branch of physics that studies quantum mechanics –specifically how energy and matter are related to each other. This includes photons, and sub atomic particles called quarks along with Einstein's famous equation: $E = mc^2$.

There is the state requirement of lab activities for Regents Physics. The course does involve some mathematics skills at the

Math A ability level. (Math B experience is very helpful, but not a prerequisite for this course.) Students take the Physics Regents examination at the end of the year.

Environmental Studies

11th-12th grades

1 credit

This course will emphasize the interrelatedness of the living and nonliving components of the biosphere. It will be introduced by a comprehensive study of the various parts of the biosphere. A major portion of the course will be the consideration of specific environmental impact events. Each will be presented in a factual story form, followed by a detailed assessment of the issues. The assessments will be followed by questions to be pursued and activities that will give a clearer understanding of the issues.

Online Atmospheric Science

11th and 12th grade

1 credit

BACKGROUND: This course will focus on the study of our atmosphere and climate. The course will begin by introducing the atmosphere where such topics as the difference between weather and climate will be examined and the composition of the Earth's atmosphere. Next, we will discover how the Earth's surface and atmosphere are heated through discussing topics such as; seasons, insolation and the Greenhouse Effect. The next topic will be temperature data. After discussing temperature moisture and cloud formations will be emphasized as we begin to examine how this all comes together to form different weather phenomenon. Next, forms of condensation and precipitation will be analyzed. What conditions are necessary for snow, sleet, freezing rain, etc... answers to these important questions will be revealed. Finally, as we begin to hone in on weather patterns we will examine the importance of air pressure and wind. Finally, weather patterns, in this topic we will put everything we have learned together. It will be necessary to have computer access for this course as we will be doing much of our assignments, tests and quizzes online. Students will register a profile and have all scores electronically sent to the instructor. All communication will be done via the computer, class will meet once a week to problem solve and allow for some individual content explanations.

ADMISSION (admission into the program is contingent on three areas):

- ✓ Student's must be on track for graduation and be a Junior or Senior.
- ✓ The student must exhibit the following:
 - An interest in higher learning with a positive attitude.
 - The student is self motivated, a good independent worker, and has good time management skills.
 - Recognizes that there will ultimately be work outside of school to be completed.
- ✓ A computer with internet access at home is beneficial but not required assuming you can get the course work done in school during study halls.

FOREIGN LANGUAGE COURSES

SPANISH COURSE DESCRIPTION

Spanish I

**9th Grade
1 credit**

In Level I, the student continues his/her study of the Spanish language and culture begun in the Eighth Grade. He/She is given the opportunity to continue to develop the four language skills:

1. Listening: comprehending simple statements
2. Speaking: initiating and responding to simple statements
3. Reading: understanding simple material for informative or social purposes
4. Writing: expressing basic needs and composing short messages on very familiar topics based on personal experience

The student demonstrates knowledge of some aspects of the Spanish Latin American Culture. The communication rather than the linguistic approach is emphasized. The focus is on WHAT the student can do with the language and HOW WELL he/she can do it. Students must earn 1 high school credit in Spanish to meet graduation requirements.

Spanish II

**10th Grade
1 credit**

AND

Spanish III

**11th Grade
1 credit**

Spanish II and III enhance the four skills first introduced in Eighth Grade and expanded in Spanish I. The student is now able to comprehend short conversations on simple topics (listening), to initiate and sustain a conversation (speaking), to understand simple narrative and descriptive authentic materials and edited texts within a familiar context (reading), to write simple notes, letters, and short reports using elementary vocabulary and commonly encountered structures (writing). The student shows an understanding of the culture as a system of values. A Comprehensive Regents Exam is given following Spanish III.

ACE Spanish IV

**12th Grade
1 credit**

Spanish IV is taken for ACE credit, courses SPAN 2010 and SPAN 2180.

It continues the development of facility in reading, writing, speaking, and understanding the language through a systematic review of its structure. Representative readings as an introduction to Spanish civilizations. A thorough analysis of the language; intensive discussion of grammar, usage, style and vocabulary, enhancing expression through composition, oral reports, and more informed class discussions and conversations.

Spanish V

**12th Grade
3/4 credit**

Advanced study in the language with an introduction to serious readings of some of the great writers of literature. Conveys ideas and develops the ability to exchange ideas through writing and discussion in the language.

ART COURSE DESCRIPTION

Studio in Art

9–12th grade
1 credit

This course is designed to provide a foundation for students seeking an art sequence. This course can also be used to satisfy the State requirement mentioned above. The course will provide an understanding of fundamental art concepts. The course will cover the elements of art, principles of design, methods and materials, and other aspects of art through a variety of creative experiences. Methods of learning will vary and may include lectures, discussions and production of projects. An end of the year exam will count as 1/4 of the final grade.

Ceramics

10-12th Grade
3/4 credit

This course is designed to provide a foundation for students seeking an art sequence. This course can also be used to satisfy the state requirement mentioned above. The course will provide an understanding of the fundamental art concepts needed in the world of ceramics. The course will cover the elements of art, principles of design, methods and materials needed in creating ceramic art. Students will learn these important concepts and processes through fun and exciting projects, activities. Methods of learning will vary including lectures, videos, discussions and project production and demonstration. An end of the year exam will count as 1/5 of the final grade.

Drawing and Painting

10-12th Grade
3/4 credit

This course is designed to provide a foundation for the enthusiastic art student. This course can also be used to fulfill the state requirement in fine arts. The course will provide an understanding of fundamental art concepts. The course will cover the elements of art, principles of design, methods as well as materials. This will be provided through a variety of creative and exciting project experiences. This learning environment will involve lectures, classroom discussions and the production of projects. An end of the year project will count as 1/5 of the final grade.

MUSIC COURSE DESCRIPTIONS

Guitar Class/Piano or Electric Keyboard

10-12 Grades
3/4 credit

May only be taken once

Guitar:

This class is designed for beginning guitar players. It consists of learning to play basic chords and familiar songs. Players are responsible for knowledge and mastery levels of the subject matter. There is some listening and composing involved.

The class is graded on a point system. There are a certain number of points possible in each marking period. Students will know in advance how many points each assignment is worth.

Piano:

This class is designed for beginning keyboard players. It consists of learning to play basic chords and familiar songs.

Players are responsible for knowledge and mastery levels of the subject matter. There is some listening and composing involved. The class is graded on a point system. There are a certain number of points possible in each marking period. Students will know in advance how many points each assignment is worth.

Music Theory I & Music History I

10th-12th Grades
3/4 credit

Prerequisite: 2 Units of Band and/or Chorus and the ability to note read in at least one clef.

This course is designed to provide advanced work for students who are majoring in music or who intend to pursue it as a hobby.

This advanced class, which is highly theoretical and technical in nature, provides an understanding of the rules and principals of music. The student increases his/her ability to analyze music aurally and visually and develops skills in composing.

Recommended to all students interested in obtaining a basic introduction to style, history, and elements in music. The focus of this class will be on Romantic and 20th Century Music, 1820-present. Composers like Tchaikovsky, Wagner, Verdi, Brahms, Copeland, as well as many others, will be studied. At the completion of this course, each student will be familiar with and be able

to identify some of the most popular music masterpieces of all time.

Senior Band

**9th-12th Grade
3/4 credit**

This course is designed for all high school students who have gained a proficiency with a musical instrument. Participation in this course involves concert band and marching band activities. In addition to the regularly scheduled class, participants are also required to attend after-school, evening, or Saturday rehearsals when scheduled and play on selected dates at concerts and parades.

Each band member will also be required to attend one music lesson per week unless special arrangements are made with the band director. Anyone who is not presently taking a musical instrument, but wishes to, should contact the band director before completing his/her schedule.

Senior Chorus

**9th-12th Grades
3/4 credit**

This course is designed for all high school students who have an interest and a talent in vocal music. In addition to the regularly scheduled class, participants will be required to attend some special rehearsals and take part in regularly scheduled chorus concerts.

Senior Choir

**9th-12th Grade
3/4 Credit**

Pre-requisite – An audition will determine if proficiency requirements are met.

This course is designed for high school vocal students with a higher skill level of singing. This is a select group for the serious minded choral student. Students interested in singing challenging music should see the instructor for an audition. In addition to the regularly scheduled class, participants will be required to attend some special rehearsals and take part in regularly scheduled chorus concerts.

Jazz Band

**9th – 12thGrade
1/4 credit**

This special group meets one day a week before school and permission must be received from instructor for participation.

BUSINESS COURSE DESCRIPTIONS

BUSINESS COMPUTER APPLICATIONS I

**9th Grade
1 Credit**

This is a full year course required in most business sequences. This course will consist of two modules: Word and PowerPoint. Time management and organizational skills are also emphasized. The keyboarding content is designed to help reinforce accuracy and speed. The keyboarding applications content is designed to develop skills in Word and PowerPoint. This is an excellent course to help prepare students for MOUS Certification. Students will learn topics in three phases: Theory, Application and Testing.

BUSINESS COMPUTER APPLICATIONS II

**10th – 12th Grades
3/4 Credit**

Pre-requisite: Business Computer Applications I

This course is highly recommended for all students who intend to earn a five-business credit sequence. The keyboarding applications content is designed to develop skills in Excel and Access. This is an excellent course to help prepare students for MOUS Certification. The company concept is used in this course. Students will learn topics in three phases: Theory, Application and Testing.

BUSINESS COMPUTER APPLICATIONS III

11th – 12th Grades
3/4 Credit

Pre-requisite: Business Computer Applications I and II

This course is an advanced typewriting course available to students who have successfully completed Business Computer applications I and II. Students will learn to master a broad range of business applications and occupational skills including filing, proofreading, office machines, Publisher Software and applications, and professional development. Applications and skills will be learned in a business simulated atmosphere. Twelfth graders will get preference when enrolling. Students will learn topics in three phases: Theory, Application and Testing. The company concept is used in this course.

CAREER AND FINANCIAL MANAGEMENT **Grade**

10th –12th
3/4

Credit

Pre-requisite: Business Computer Applications I

This course will allow students to document their plans for post high school success, introduce them to the broad-based universal foundation skills (SCANS skills) needed in the workplace, understand how academic skills are used in the world of work and begin to develop the financial literacy needed to become responsible consumers and citizens. **This course is required for a five credit business sequence with distinction.**

BOOKKEEPING/ACCOUNTING

10th – 12th Grades
3/4

Credit

A full year course designed to develop occupational competencies in bookkeeping. This course is also recommended for students going on to post-secondary accounting training. Course content encompasses the complete accounting cycle, but major emphasis is placed on the bookkeeping process through the trial balance.

ADVANCED BOOKKEEPING/ACCOUNTING/ACE ACCOUNTING

11th - 12th Grades
3/4

Credit

A full year course to be offered as an extension of the Bookkeeping/Accounting course. The introduction of additional topics involving more complex bookkeeping/accounting applications significantly extends the basic accounting concepts and skills. Spreadsheet applications will be incorporated into the course. College credit may be available through the ACE Program at CCC.

MATH AND FINANCIAL MANAGEMENT

11th - 12th Grades
1 Credit

This course is a one unit specialized interdisciplinary business course related to the mathematics learning standards. The course is designed to prepare students for both college level business programs and to understand the complex financial world they will encounter during their lives.

BUSINESS LAW

11th – 12th Grades
3/4 credit

Pre-requisite: Business Computer Applications I or Instructor approval

Students will develop a respect for and understanding of business law and law enforcement as it effects the students' personal, family, and occupational pursuits. An introduction to our legal system, court procedures and jury process will be presented. Those involved will gain understanding in how they might protect themselves and when they need legal assistance in a variety of day-to-day business transactions by having a knowledge of their rights and obligations. Course skills involve the ability to read and formulate judgments based on facts and the laws that apply. Students will learn topics in three phases: Theory, Application and Testing. The company concept is used in this course.

ESSENTIALS OF MARKETING

11th – 12th Grades
3/4 Credit

Pre-requisite: Business Computer Applications I or Instructor approval

A course designed to enable students to understand and apply marketing, management, and entrepreneurial principals; to make rational economic decisions; and to exhibit social responsibility in a global economy. The business of sports and entertainment marketing is one of the fastest growing fields in America. This course will offer students the opportunity to use the topics they have studied to complete Sports and Entertainment Marketing Labs. Students also will use a simulation where they "work" for a sports and entertainment marketing firm that represents a different client in each of seven mini-simulations. Clients include a modern dance company, a toy company, a soccer shoe manufacturer, a skateboard company, a bicycle manufacturer, a theatre group, and a basketball camp. Developing and maintaining the Campbell-Savona School Store will be the major class project throughout the school year. This course is primarily a junior/senior level course but may be open to sophomores depending on enrollment. Students will learn topics in three phases: Theory, Application and Testing.

ENTREPRENEURSHIP

11th – 12th Grades
3/4 Credit

Pre-requisite: Business Computer Applications I

This course is designed to introduce the student to the world of business management and business ownership. The student will learn to see the world as an opportunity and create a product to meet it, solve it or improve upon it. Developing an innovative idea and writing a business plan are only the first steps of a successful business. The student will understand production, marketing, finance, human resources, global competition as well as social, environmental and legal issues of running a business. Virtual Business 2.0 is a retail simulation done on the computer and is used in this course to enhance student learning. Developing and maintaining the Campbell-Savona School Store will be the major class project throughout the school year. Students will learn topics in three phases: Theory, Application and Testing. The Company concept is used in this course.

IMPRINTS (School Yearbook)

11th - 12th Grades
3/4 Credit

Pre-requisite: Graphic Communications and Photography or instructor approval

This course is designed to complete the grade 7-12 portion of the district yearbook. In addition, students will participate in creating the monthly school newspaper. Students must successfully complete the Graphic Communications and Photography course or receive instructor approval to take the course. Participants learn principles such as good journalism, business management, photography, layout and copy. The students will be expected to plan ahead and work cooperatively with peers to create a professional product. Grades are determined by the thoroughness with which students meet their job descriptions. This includes completed layouts and projects and daily class participation. In order for this to be successful, students will be expected to complete class related tasks during free periods or after school.

Enrollment is based solely on teacher recommendation. Prior approval must be granted before a student can take this course.

FIRST YEAR EXPERIENCE ACE

12th Grade
3/4 Credit

Pre-requisite: Business Computer Applications I or instructor approval

This course is designed to help students create greater success in college and in life. The student will learn many proven strategies for creating greater academic, professional, and personal success. Guided journal writings are used to explore these strategies, and as a bonus, students will learn to express themselves more effectively in writing. Topics include: take charge of your life, increase self-motivations, improve personal self-management, develop interdependence, increase self-awareness, maximize your learning, develop emotional intelligence, raise your self-esteem, write more effectively, improve creative and critical thinking skills, and master effective study skills. **This course is highly recommended for all seniors.**

TECHNOLOGY COURSE DESCRIPTIONS

Please Note: Students are required to pay for the supplies that they use in shop projects. The amount depends upon the particular project and the supplies used.

Systems Courses

9th Grade
3/4 credit

Production Systems:

The systems of manufacturing and construction; their resources, processes, products, and quality assurance; their impact on society, the economy, the environment, and manufacturing. This is a full year course.

Foundation Courses

10th Grade
3/4 credit

Prerequisite: Production Systems or Instructor Approval

Energy: Experiments with Mouse Traps and Wind Machines

The forms and resources of energy, energy conservation, and the laws of thermodynamics, solar heating and cooling, energy-conscious design, photovoltaic, and the energy crisis.

Technical Drawing:

Study of basic concepts and principles of technical drawing: projection, size description, basic techniques and tools, and pictorial representation.

Construction Systems

11th and 12th Grades
1 credit

This course covers all areas of residential construction including planning, design and building. Throughout this course, special attention is placed on how construction impacts the global environment. This includes issues of energy, fuels, pollution and green design. One high school science credit may be earned by successfully completing this course.

Materials Processing & Production Research and Development

11th & 12th Grade
3/4 credit

Prerequisite: Production Systems

A generic and broad view of the way humans change materials. The course differs from the traditional approach of study of a specific material, in studying various materials undergoing similar processing techniques. For example, separating (cutting) is a generic concept. Woods, ceramics, polymers, and other materials are all separated, often by a similar technique, such as sawing.

This course is organized in a systems format; the resources, processes, and effects are the organizing theme. The resulting framework provides a rather complete view of the variety in materials processing. Students will be involved in laboratory

This course emphasizes the significance and procedures of the research and development process when used in the production of material goods, the improvement of industrial processes, and the acquisition of new knowledge.

This course is designed to involve the students in realistic, hands-on research and development. Informative and demonstrative lessons will be offered to show the key knowledge and skills necessary to complete a development project. Brainstorming, library research skills, problem solving, modeling, prototypes production, and many other skills will be employed in this course.

Computer Aided Design and Architecture

10-12th Grades
1 credit

Prerequisite: Technical Drawing

This course provides students with the basics of the AutoCAD program, which is an industry wide standard for mechanical and architectural drawing. Students will incorporate this program into the study of the many aspects of both commercial and residential architecture through research, design, and development of working drawings necessary to build a structure. Mathematics will be stressed through the understanding of both metric and standard measuring, fractions, and geometry. Students will complete a major project comprised of designing, drawing, and building a wooden scale model of a house. One high school math credit may be earned by successfully completing this course.

Graphic Communications and Photography

10th-12th Grades
3/4 credit

This course is designed to develop student's knowledge and skills in various areas of both photography and graphics. Areas of photography covered will include black and white photography, film developing, digital photography, and using Adobe Photoshop. Students will also be learning to use Adobe InDesign, which is used in the graphic design and print industry. Students will use this program to design and develop various print projects such as memo pads, business cards, posters, flyers, and magazine covers. This course is a prerequisite for Imprints.

PHYSICAL EDUCATION COURSE DESCRIPTIONS

Physical Education 9-12

9-12th Grades
3/4 credit

The Physical Education program for students in grades 9 through 12 centers around lifetime and personal fitness activities. Students in these grades will select five-week activities from the following list. Evaluation will be based on skill, knowledge, personal relations and participation. Students will be required to take a physical fitness test and participate in a 5-week unit in weight training/physical training. Course offerings and placement will be established by the instructor based primarily on student interest and need.

Dance & Aesthetic Activities	Goal Sports	Net and Wall Sports	Outdoor Activities	Personal Performance Activity	Target Sports	Striking & Fielding Sports
Line Dancing	Flag Football	Badminton	Cross Country Ski	Physical Fitness Test	Archery	Soccer
Aerobic Dancing	Soccer	Handball	Orienteering	Weight Training	Golf	Softball
Bench Stepping	Frisbee Golf	Paddleball	Street Hockey	Physical Training	Bocce	
Square Dancing	Basketball	Tennis	Roller Skating	Jogging	Horseshoes	
		European Handball	*Roller Blading	Wrestling	Croquet	
		Indoor Tennis	*Bicycling	Juggling		
		Volleyball		Games and Activities		
		Pickleball		Track and Field		
		Table Tennis				

* Students must provide their own equipment

Three Sport Option

10th-12th Grades
3/4 credit

Students in grades 10-12 who will be participating in three sports (one during the fall, winter, and spring seasons) in a given school year may apply for the three-sport option. In addition to the sports participation, the following criteria must be met:

- ❖ The student must pass a written test on any eight physical education activities offered in regular physical education classes in the spring of the preceding school year.
- ❖ The student must satisfactorily demonstrate his/her physical fitness on a test administered by the physical education staff in the spring of the preceding school year.
- ❖ The student must be taking at least eight courses per semester not including physical education.
- ❖ The student must not have started and abandoned the three sport option program the year before.
- ❖ A one-time retest option date will be set by the test administrator.

Health

9th and 10th Grade
1/2 credit

This health course is designed to encourage student awareness of decisions that will promote a healthy lifestyle. Students will become aware that total health includes all aspects of life; social, mental/emotional, and physical health. This course is based on mini lessons, large and small group discussions, research, and activities geared to enhance the learning experience. Course topics include: wellness and mental health, violence prevention, substance awareness and abuse, lifestyle diseases, relationships and human sexuality, nutrition and eating behaviors, infectious and non-infectious diseases, current health issues, and an understanding of the responsibility for ones own personal health.

****Successful completion of this course is a graduation requirement.***

Current Events in Health

11th- 12th Grade
3/4 credit

Prerequisite: Successful completion of Health.

Changes in the Health and Wellness field are reflected in laws, politics, medicine, education and science. These changes are expressed in various forms: the latest studies, the latest scientific discovery, a public event; newspaper headlines; and the media. Time will be spent in and out of class reflecting on various current health issues and social trends. Students will research one current health related topic of your choice per week and be prepared to discuss the article with the class. At the end of each 10 weeks, students will write a two-page double spaced reaction paper on a topic of choice. They will be expected to complete 5 hours of community service per marking period, and maintain complete log including pictures. Attendance on field trips is mandatory. Students are expected to travel with the class to various health related facilities. Upon completion of each field trip, students will be expected to reflect, in writing, on the experience.