



Curriculum

Handbook

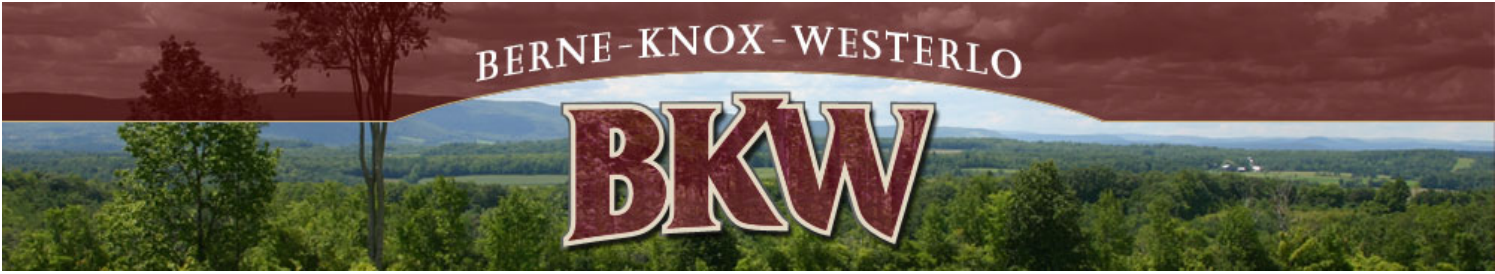


Table of Contents

Program Introduction.....3

Essential Qualities.....4

Regents Exam Requirements.....5

Graduation Requirements.....6

Suggested Course Load.....7

Academic Integrity Policy.....8

Art Department.....9-12

Business Courses.....13

English Department.....14-17

Foreign Language Department.....18-20

Physical Education and Health Sciences Department21

Mathematics Department.....22-24

Music Department.....25

Science Department.....26-30

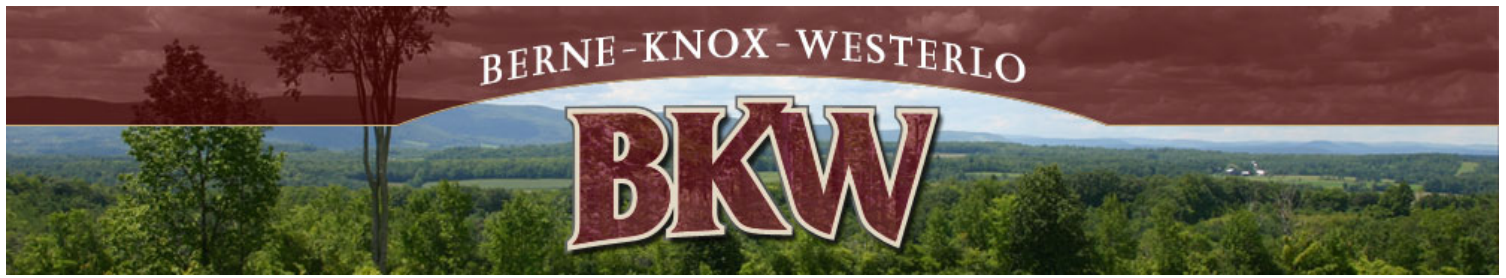
Social Studies Department.....31-35

Technology Department.....36-38

College Credit Opportunities.....39

Career and Technical Education.....40

The courses listed in the curriculum handbook could be offered in the 2012-2013 academic year. All courses listed are not always offered each year, some are offered on a rotating basis every other year. Final course offerings are based on student interest, staffing availability, overall schedule placement and the final budget. Courses may be cancelled due to low enrollment staffing/scheduling issues and budget constraints.



Dear Berne-Knox-Westerlo Student:

This academic and career planning guide contains valuable information to assist you in successfully completing your high school years. The ultimate goal is the same for everyone. It is for all our students to be to a lifelong learner with a satisfying career.

One of the most important decisions you will make is choosing a career that will be rewarding and satisfying. Your career search will combine looking at the type of work you enjoy with the education and training needed for that particular career and the kind of lifestyle you will be able to lead. The term “career” is not just a job but a combination of all these factors.

It takes time, research, and exposure to different careers to help you in the process of deciding what path to choose after high school. It is never too early to start thinking about your future career plans. This planning guide is designed to help you realize that you do have many choices, and you should use your time at BKW to research and evaluate these choices.

These next four years of high school provide the opportunity to obtain the necessary education, training, skills, and experience to prepare you for your future.

To increase your chances of success, take the most challenging academic courses available, become involved in extracurricular activities in and out of school, and work to your potential.

Good luck!

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It is the hope and intention of the Berne-Knox-Westerlo Central School District that all students will possess the following skills and qualities:

Essential Academic Skills

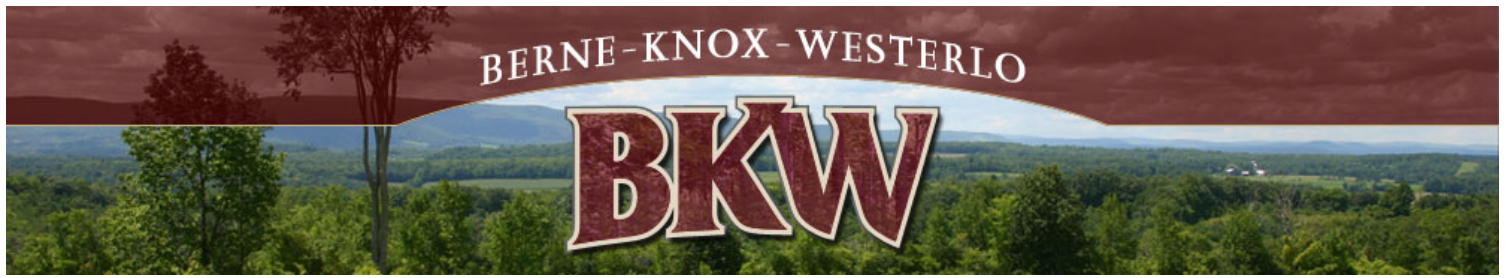
- ✓ **Reading**
 - Locate, understand and interpret written information in prose and in documents
- ✓ **Writing**
 - Communicate thoughts, ideas, information, and messages in writing
- ✓ **Mathematics**
 - Perform basic computations and practical problems using a variety of mathematical techniques
- ✓ **Listening**
 - Receive, interpret, and respond to verbal messages and cues
- ✓ **Speaking**
 - Organize ideas and communicate orally

Essential Cognitive Skills

- ✓ **Creative Thinking**
 - Generate new ideas
- ✓ **Decision Making**
 - Determine specific goals and constraints, generate alternatives, consider risks, evaluate and choose the best alternative
- ✓ **Problem Solving**
 - Recognize problems and devise and implement a plan of action
- ✓ **Know How to Learn**
 - Use techniques to acquire and apply new knowledge and skills

Essential Personal Skills

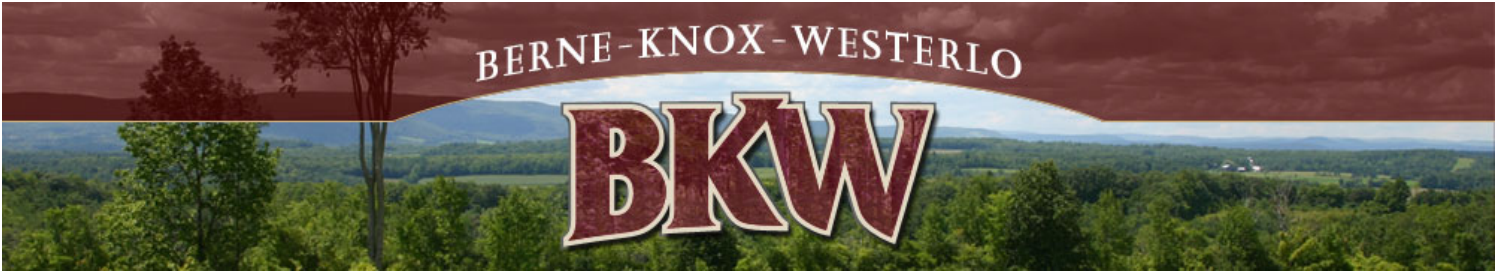
- ✓ **Responsibility**
 - Exert a high level of effort and persevere towards goal attainment
- ✓ **Self-Esteem**
 - Believe in one's own self-worth and maintain a positive view of self
- ✓ **Sociability**
 - Demonstrate understanding, friendliness, adaptability, empathy, and politeness in group settings
- ✓ **Self-Management**
 - Access one's self accurately, set personal goals, monitor progress, and exhibit self-control
- ✓ **Integrity/Honesty**
 - Choose an ethical course of action in all decisions



Regents Examination Requirements

Freshman Class Of Graduation Year	Local Diploma Requirements	Regents Diploma Requirements	Regents Diploma with Advanced Designation Requirements
Freshmen Class of 2009 Graduation Class of 2013	Available only to students with disabilities who have not passed required Regents exams but pass the RCT	Score of 65 or above on 5 required Regents exams; earn 22 units of credit	Score 65 or above on 9* required Regents exams; earn 24 units of credit
Freshmen Class of 2010 Graduation Class of 2014	Available only to students with disabilities who have not passed required Regents exams but pass the RCT	Score of 65 or above on 5 required Regents exams; earn 22 units of credit	Score 65 or above on 8 required Regents exams; earn 24 units of credit
Freshmen Class of 2011 Graduation Class of 2015	Available only to students with disabilities who have received a 55 – 64 on any of the 5 required Regents exams	Score of 65 or above on 5 required Regents exams; earn 22 units of credit	Score 65 or above on 8 required Regents exams; earn 24 units of credit
Freshmen Class of 2012 Graduation Class of 2016	**Decision pending NYS Education Department	Score of 65 or above on 5 required Regents exams; earn 22 units of credit	Score 65 or above on 8 required Regents exams; earn 24 units of credit

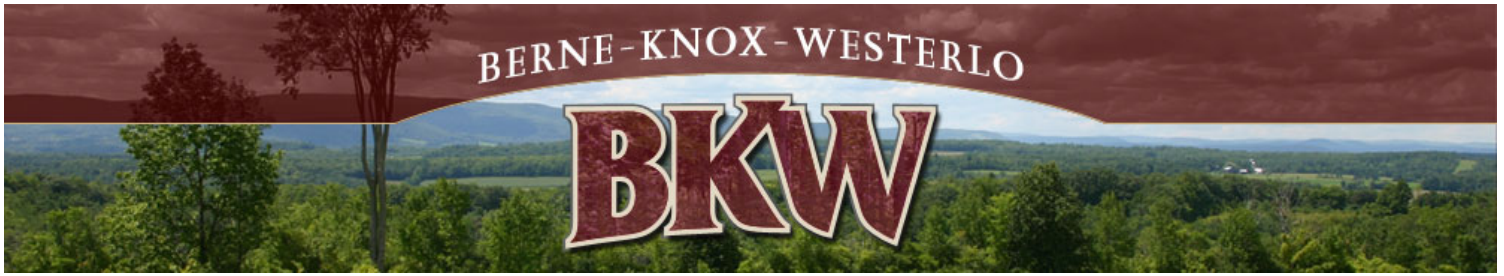
* 9 exams with foreign language, 8 exams without
 **Decision pending NYS Education Department



BKW Graduation Requirements

Diploma	Course Credits	Regents Exams
Regents with Advanced Designation*	4 units in English 4 units in Social Studies 3 units in Math 3 units in Science 3 units in Foreign Language* 2 units in Physical Education 1 unit in Art and/or Music ½ unit in Health Elective units to total 24	Comprehensive English Global History & Geography US History & Government Algebra Geometry Algebra 2/Trigonometry 2 from- Earth Science/Living Environment/Chemistry or Physics French or Spanish (if offered)
Regents Diploma	4 units in English 4 units in Social Studies 3 units in Math 3 units in Science 1 unit in Foreign Language 2 units in Physical Education 1 unit in Art and/or Music ½ unit in Health Elective units to total 22	English Language Arts Global History & Geography US History & Government 1 from- Algebra, Geometry or Algebra 2/Trigonometry 1 from- Earth Science/Living Environment/Chemistry or Physics

**Students may choose a 5 unit sequence in Art, Music, Career & Technical Education or Technology as a substitute to the Foreign Language component, and no Regents exam is required for this option.*



BKW Course Load Guide

Course selection throughout high school can significantly impact options available for post secondary education. Students should always take the highest level of academic course work they can successfully handle, along with electives that offer a view into different careers. All students are encouraged to prepare for continuing their education beyond high school. This can be at a four or two year college, technical college, apprenticeship or job training program.

Students must successfully complete the following number of units to be promoted to the next grade. The promotional policy for the high school (grades 9 – 12) is based upon the accumulation of units rather than the number of years students are enrolled in the high school.

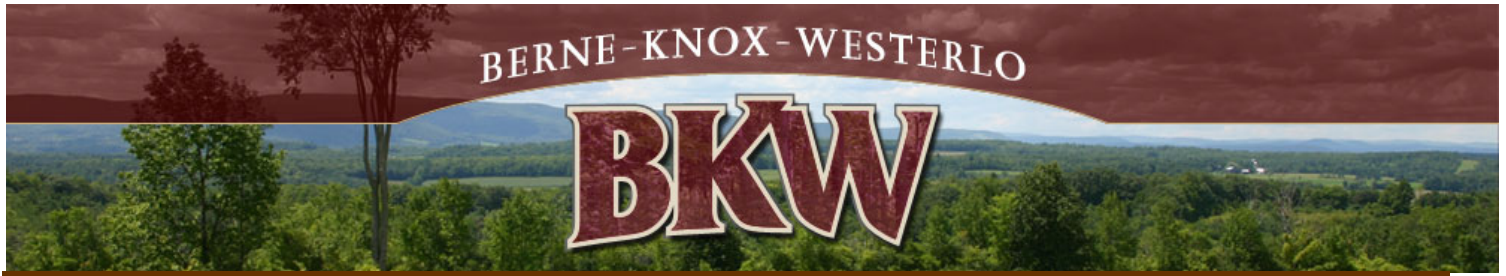
Sophomore minimum of: 6 units

Junior minimum of: 12 units

Senior minimum of: 18 units

Students in grades 9 – 11 should enroll in a minimum of 6 ½ units per school year. In order for seniors to be granted senior privileges, students should enroll in a minimum of 6 units.

**It is the practice of the Berne-Knox-Westerlo CSD not to allow students to drop a full year course after the first five weeks of school. A drop/fail will be printed on the academic transcript if the course is dropped after the first five weeks.*



Berne-Knox-Westerlo Academic Integrity Policy

Berne-Knox-Westerlo Secondary School expects all students to abide by ethical academic standards. Academic dishonesty is strictly prohibited and includes all of the following: plagiarism, cheating or copying the work of another, using technology for illicit purposes, or any unauthorized communication between students for the purpose of gaining advantage during an examination. BKW’s Academic Integrity Policy covers all school-related tests, quizzes, reports, class assignments, and projects, both in and out of class. The purpose of BKW’s Academic Integrity Policy is to prepare students for the reality created by the technology explosion and for the world of college and beyond, where cheating and plagiarism have dire consequences.

Plagiarism is not the same as cooperation or collaboration. Teachers often expect, even encourage, students to work on assignments collectively. This type of cooperation or collaboration is appropriate as long as each student’s work is clearly presented.

Collaboration is to work together (with permission) in a joint intellectual effort.

- **Plagiarism** is to commit literary theft, to steal and pass off as one’s own ideas or words, and to recreate the product of another. When you use someone else’s words, you must put quotation marks around them and give the writer or speaker credit by citing the source. If you use someone else’s ideas or words through revising or paraphrasing, you must give the author credit. Internet users believe that anything available on-line is public domain, this is not the case. Ideas belong to those who create and articulate them. To use someone else’s words or ideas without giving credit to the originator is stealing.

- **Cheating** includes, but is not limited to, copying or giving an assignment to a student to be copied (unless explicitly permitted by the teacher). Cheating also includes using, supplying, or communicating in any way unauthorized materials, including textbooks, notes, calculators, computers or other unauthorized technology, during an exam or project.

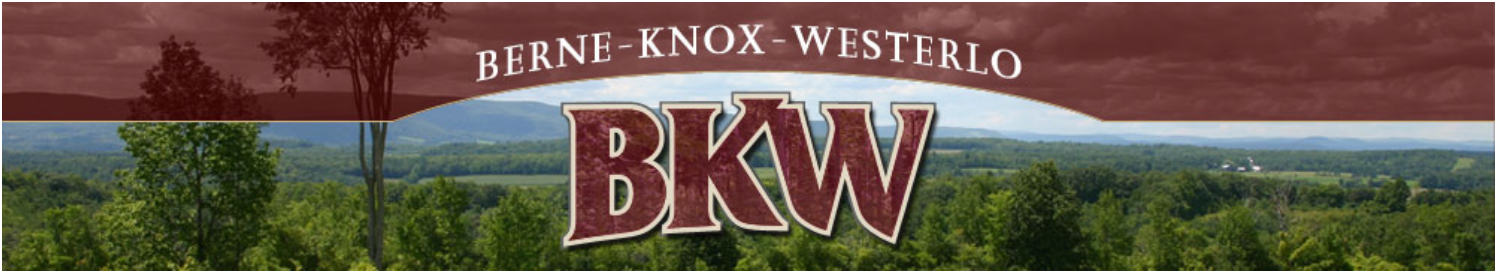
- **Forgery or stealing academic material** includes, but is not limited to, gaining unauthorized access to exams or answers to an exam, altering computer or grade-book records, or forging signatures for the purpose of academic advantage.

The determination that a student has engaged in academic dishonesty shall be based on specific evidence provided by the classroom teacher or other supervising professional employee. This decision will be based on the review of written materials, observation, or information from others.

Students found to have engaged in academic dishonesty shall be subject to disciplinary as well as academic penalties, as outlined below.

Range of Actions and Consequences

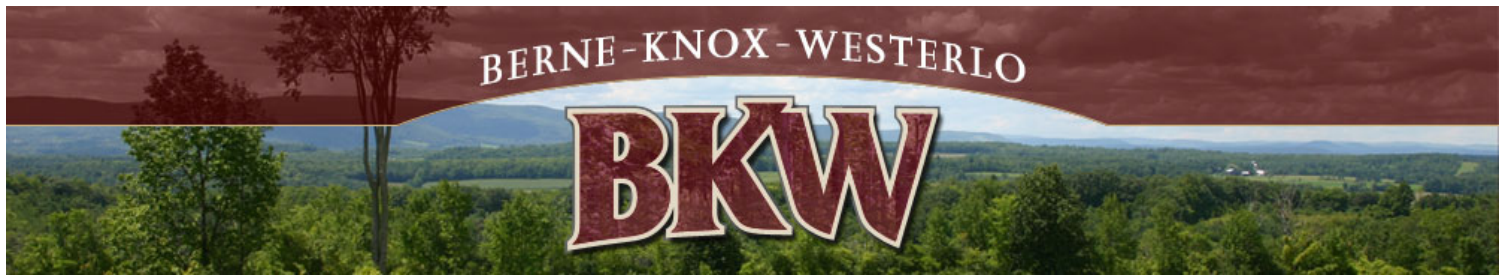
Copying class work or homework	Zero on assignment Parent or Guardian notification Conference
Plagiarizing or cheating on an exam or assignment	Zero on assignment Guidance Counselor notification Department Chair notification Conference with parent or guardian / student / teacher / department chair
Forgery or stealing academic material	Guidance Counselor notification Referral to Administration for action Conference with parent or guardian / student / teacher / department chair



ART DEPARTMENT SEQUENCE OF STUDY

9th Grade	10th - 12th Grade	10th - 12th Grade
Studio Art	*Drawing & Painting	*Advanced Drawing & Painting
Foundations in Art ½ year	*Graphic Design ½ year	AP Art History
	*Studio in Sculpture ½ year	Photography I ½ year
	*Studio in Pottery ½ year	Photography II ½ year
		Independent Art

**Note prerequisites listed under course descriptions.*



Art Department

Foundations in Art

Grades: 9 – 12

Duration: 20 weeks

Exam: project based exam

Prerequisite: None

This course can be combined with Graphic Design, Studio in Pottery (10-12), and Studio in Sculpture (10-12) for a full credit to meet the graduation requirements for the arts. It may also be combined with courses in music (band or chorus) or technology (design & drawing). This course will explore a range of mediums and styles.

Drawing & Painting

Grades: 10 – 12

Duration: 40 weeks

Exam: midterm, final exam, portfolio review

Prerequisite: Studio in Art

This course is intended for the serious art student who loves to draw and paint and is considering pursuing art as a career or hobby after graduation. This course will challenge a student's ability and encourage a personal approach. A variety of media will be used to explore still life, portraiture, landscape and interior drawings with an emphasis on observation. Art history, art criticism and some theory will assist the students in forming their own value judgments about art. Students will be required to complete sketchbook drawings.

Studio in Art

Grades: 9 – 12

Duration: 40 weeks

Exam: midterm, final exam, portfolio review

Prerequisite: 80 or better in 8th grade art and recommendation of teacher.

This course is intended for the serious art student who will work at least one hour a week outside the classroom on mandatory, directed sketchbook assignments. The projects are linked to artists, art history, techniques, self and group critiques as well as unit tests. Students will explore different mediums through the use of pencil, watercolor, charcoal, tempera and acrylic paints, printmaking and clay. Attention to detail, an excellent work ethic and ability to meet deadlines is necessary to succeed in this course.

Note: Prerequisite for Drawing & Painting

Graphic Design

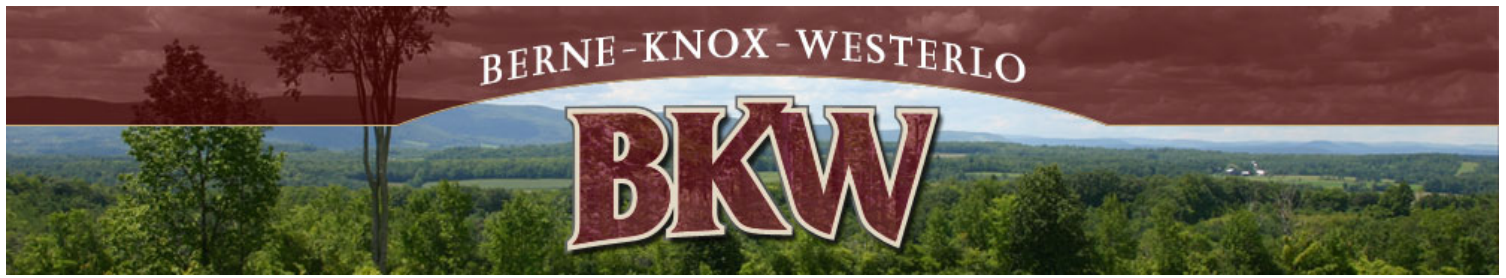
Grades: 10 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: Foundations or Studio in Art

This course will explore the essentials of graphic design which include research, typography, layout, logos, and logotypes. Students will develop a knowledge and understanding of the skills used in advertising design through creative problem solving for visual communication. They will also gain experience with industry standard computer programs. This course will expose students to the many careers available in the field of advertising design.



Art Department, continued

Studio in Pottery

Grades: 10 – 12 *Duration:* 20 weeks (every other year)

Exam: final exam

Prerequisite: Foundations or Studio in Art

This course will explore the medium of clay and surface design with various types of glaze, sgraffito, textural techniques, and hand building. A study of artists and the different types of medium will be covered during the course. *Offered in the spring.*

Advanced Drawing & Painting

Grades: 11 – 12 *Duration:* 20 weeks

Exam: final exam

Prerequisite: Drawing and Painting

This course focuses on one subject, the figure by concentrating on materials and techniques used to render the figure from the inside out. Sketchbook assignments and home drawings will explore observation, perception, technique, creativity and self-expression. Through personal growth and individuality students will add pieces to their portfolio.

Studio in Sculpture

Grades: 10 – 12 *Duration:* 20 weeks (every other year)

Exam: final exam

Prerequisite: Foundations or Studio in Art

This course provides opportunities for self-expression in three-dimensional design in a variety of media and techniques. Students will work with clay, plaster, wood, mixed media, and glass. This course offers both aesthetic and technical experiences as well as critiques and class discussions through reading, writing, drawing, and speaking. History of sculptors and the medium will be incorporated into every project. *Offered in the spring.*

Advanced Placement (AP) Art History

Grades: 11 – 12 *Duration:* 40 weeks

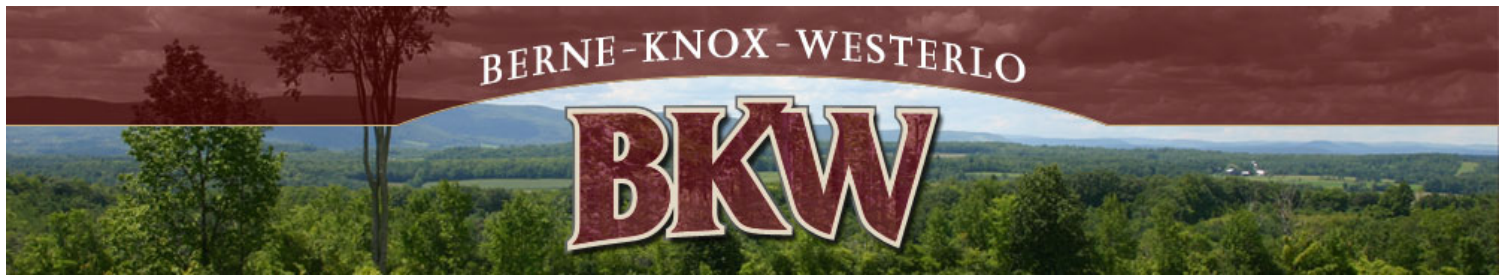
Exam: midterm, final exam, AP exam (May)

Prerequisite: Foundations or Studio in Art

College Credit: Course has a fee for the AP exam and students may earn college credit based on the grade received on the exam and individual college requirements. Students may earn six college credits through Schenectady County Community College which may transfer to other colleges.

Teacher / Department Chair / Principal approval required to be excused from the AP exam.

Life, Art, Culture! This course is reading and writing intensive using a standard college text and many supplemental readings. Field trips, PowerPoint, lectures, and discussions create the forum for the self-motivated student to learn about the world through art and history. There is a 10 page paper due in May. Side trips that are not mandatory are continually offered for students and parents.



Art Department, continued

Photography I

Grades: 11 – 12

Duration: 20 weeks

Exam: final exam, practical final, class and independent project

Prerequisite: Foundations or Studio in Art

This course teaches the fundamentals of black and white photography and a unit of digital photography. Students will study through readings, lecture and discussion about the aesthetics of photography. The history of photography will be explored along with the science and art of making photos with the camera and in the darkroom. Students will be exposed to hand coloring prints, matting and an option for framing. Research is expected for the final project.

Photography II

Grades: 11 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: 85 or above in Photo I and teacher recommendation

This course builds on the concepts learned in Photography through studies in technology, color slides, publishing, and the design of t-shirts.

Independent Art

Grades: 11 – 12

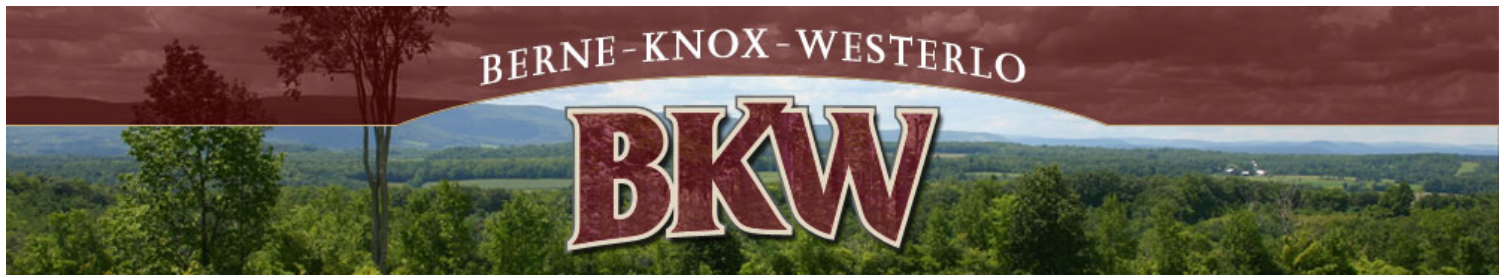
Duration: 20 weeks

Exam: final exam, practical final, class and independent project

Prerequisite: teacher recommendation

This course is for the student who has taken all art electives and wants to go further in the field. A contract is developed and strictly adhered to for the course. There are weekly, meetings with the instructor, production of a digital portfolio, and critiques are expected in this course.

- *Students must complete one unit of Art and/or Music in order to graduate. A student may elect a five-unit art sequence in place of the three-unit foreign language sequence for the Regents Diploma with Advanced Designation.*



Business and Computing Courses

Career and Financial Management

Grades: 9 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: None

This course is designed to prepare students with the skills necessary to make them competitive in the 21st century job market. It is recommended for every student because the skills taught are universal. It is the required introductory course for Career and Technical Education programs and the introductory course for the five-unit sequence in technology.

Students will explore our economic system as a consumer, a worker, and an entrepreneur; and explore careers through the employment phase, successful attainment of the job, and achieving job satisfaction. Personal money management is surveyed through the examination of payroll checks, taxes, budgets, investments, and savings. Word processing, spreadsheet, and power point software is integrated throughout the curriculum.

Accounting

Grades: 9 – 12

Duration: 20 weeks

Exam: mid term, final exam

Prerequisite: Algebra

This course is designed to develop competencies in accounting and is recommended for students going on to post-secondary education in areas such as accounting, management, or finance. The accounting cycle for service and merchandising businesses which includes journalizing daily transactions, posting to the ledgers, making period ending adjustments, and completing financial statements will be studied. Computer spreadsheets and accounting software are used to complete accounting reports, and units on cash control, checking accounts and payroll are included.

Computer Applications

Grades: 9 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: None

Students will develop a fluency in each programming format such as, Microsoft Word, PowerPoint, Excel and Access. Throughout the course students will have the opportunity to apply skills and techniques through project based learning opportunities.

Advertising

Grades: 10 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: None

This course is designed to study words and images that make a viewer stop, look, and listen. Students will create advertising that communicates ideas and concepts clearly. Students will create posters, pamphlets, logos, and ads. Students will also learn how to create symbols and images that convey a message.

Financial Preparation for Life

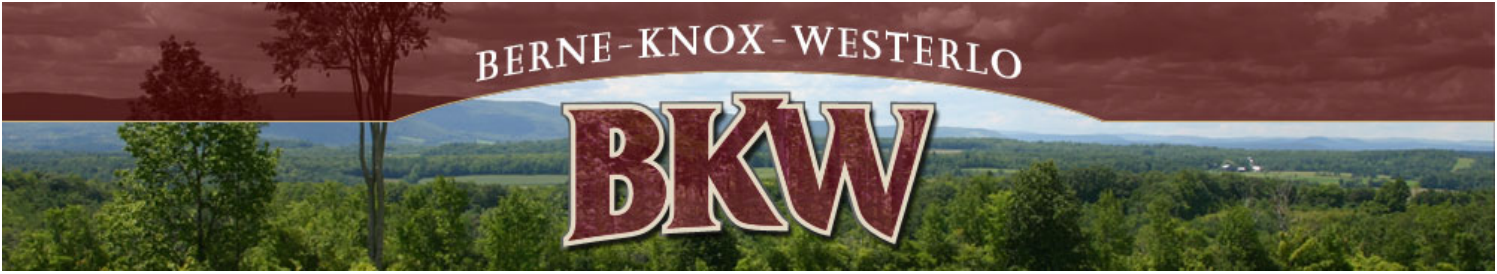
Grades: 12

Duration: 20 weeks

Exam: final exam

Prerequisite: None

This course will focus on tax planning, estate planning, insurance loans, planning for future retirement, investing, financial aid and employee benefits.



ENGLISH SEQUENCE OF STUDY

9th Grade	10th Grade	11th Grade	12th Grade
English 9	English 10	English 11	English 12 I or English 12 II ½ year or full year
	English 10 Honors	American Literature	AP Literature and Composition
	English for Career/College Readiness	Communications ½ year	Communications ½ year
	Sports in Literature ½ year	Drama ½ year	Drama ½ year
		English for Career/College Readiness	English for Career/College Readiness
		Exploring Writing ½ year	Exploring Writing ½ year
		Film & Literature ½ year	Film & Literature ½ year
		Sports in Literature ½ year	Sports in Literature ½ year



English Department

English 9

Grades: 9

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: English 8

This course will focus on the development of English Language Arts Standards in reading, writing, speaking, and listening skills through a process approach. Students are involved in individual, group, and project work throughout the year.

English 10

Grades: 10

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: English 9

This course will focus on the development of proficiency in English Language Arts Standards through the writing process, listening and reading activities, analysis of world literature, and vocabulary development.

English 11

Grades: 11

Duration: 40 weeks

Exam: midterm, final exam, ELA Regents exam (June)

Prerequisite: English 9 and English 10

Students will study selected works in American literature, which will help them develop reading, writing, speaking, and listening skills. Independent reading, reader response writing, and portfolio development are implemented in cooperative learning groups to build team-learning skills for the workplace. The final exam in this course consists of an evaluation of a portfolio of the student's work.

English 10 Honors

Grades: 10

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Final average of 85 in English 9 and teacher recommendation strongly encouraged to help ensure student success in this class.

This course will survey a variety of literature such as representative poems, short stories, plays, and novels. Students are given a variety of writing assignments including literary analysis, a research paper in preparation for the English Regents. Formal instruction is provided in vocabulary and grammar. There is an emphasis on cross curricular instruction with unit material from Global History I and AP World History. The class will explore time periods such as World War II with a concentration in the Holocaust and Hiroshima. This course will aid students in the development of thematic essays and document based questions (DBQ).

American Literature

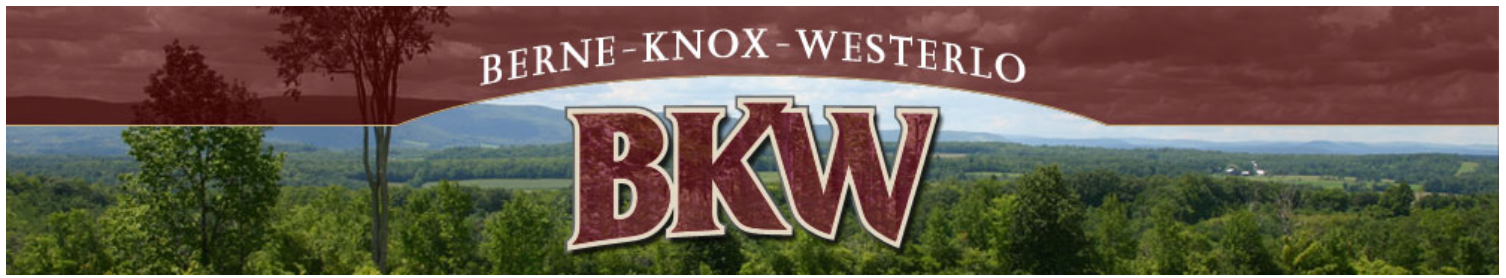
Grades: 11

Duration: 40 weeks

Exam: midterm, final exam, English Regents exam (June)

Prerequisite: Final average of 85 in English 9 and English 10 and teacher recommendation strongly encouraged to help ensure student success in this class.

American Literature, taught from the historical perspective, is reading/writing intensive. Its purpose is to prepare students for the Comprehensive English Regents and for college-level English courses. Research projects and analysis papers are the major method of evaluating the four English Language Arts Standards. *This is an intensive reading and writing course that includes a required summer assignment.*



English Department, continued

Advanced Placement (AP) Literature & Composition

Grades: 12 *Duration:* 40 weeks
Exam: midterm, final exam and an AP exam (May)
Prerequisite: English 9, 10, 11 & American Literature and teacher recommendation strongly encouraged to ensure student success in this class.

College Credit:
Course has a fee for the AP exam and students may earn college credit based on the grade received on AP exam and individual college requirements.

AP Literature & Composition is designed to provide students with the analytical skills and factual knowledge necessary to deal with the problems and materials in both literary discourse and the composing process. Emphasis is placed on students learning multiple approaches to literary criticism and honing critical writing through peer writing groups. *This is an intensive reading and writing course that includes a required summer assignment.*

Teacher / Department Chair / Principal approval required to be excused from the AP exam.

Communications

Grades: 11-12 *Duration:* 20 weeks
Exam: final exam
Prerequisite: English 9 & 10

Students will study media including television, radio, literature, journalism, advertising and public speaking. Reading and writing skills are important aspects of each project. The course objectives are to increase poise and self-confidence with varying audiences. This course serves as a vehicle for all students to develop school to work skills through classroom and community activities.

Drama

Grades: 11-12 *Duration:* 20 weeks
Exam: final exam
Prerequisite: English 9,10 (current enrollment in English 11)

This course includes three objectives of understanding, performing and appreciating drama. Components of this course include performance in class scenes and plays, read and discuss techniques of acting, and explore the art of improvisation.

English 12 I

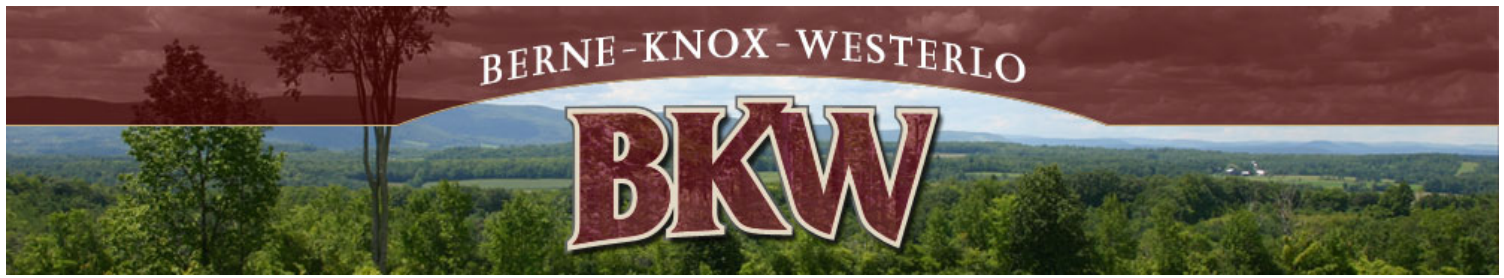
Grades: 12 *Duration:* 20 weeks
Exam: final exam
Prerequisite: English 9,10 & 11

The course studies a variety of literary genres and includes unit on problem solving strategies, technical writing, and communication in the workplace. Class discussions allow students to develop their own values and opinions.

English 12 II

Grades: 12 *Duration:* 20 weeks
Exam: final exam
Prerequisite: English 9,10 & 11

The course studies a variety of literary genres and includes unit on problem solving strategies, technical writing, and communication in the workplace. Class discussions allow students to develop their own values and opinions. If students decide to take parts I & II of this course the skills learned will help students develop and practice communication skills in preparation for entering college or the job market.



English for Career/College Readiness

Grades: 10-12

Duration: 20 weeks

Prerequisite: English 9

This course is designed to support students in their development of advanced English skills required to be successful in the workplace or the first year of English in college.

Exploring Writing

Grades: 11-12

Duration: 20 weeks

Exam: final exam, writing portfolio

Prerequisite: English 9,10 (current enrollment in English 11)

This course is designed to expose students to descriptive, expository, narrative and poetic writing forms. Students will generate ideas through journals, timed writing exercises, and group compositions. Students will have the opportunity to use a variety of multi-media resources such as blogging, professional email and texting in the professional setting. Students will develop a sense of audience and its influence on the writing process.

Film & Literature

Grades: 11-12

Duration: 20 weeks

Exam: final exam

Prerequisite: English 9,10 (current enrollment in English 11)

Students will produce original video/film related projects. They will study specific film-related literature and develop their own writing skills directly related to multi-media production. Equipment such as video cameras, computers, and digital still cameras are integrated into this curriculum. This is a "learning-through-doing" environment that explores real-world employment opportunities through classroom and community activities.

Sports in Literature

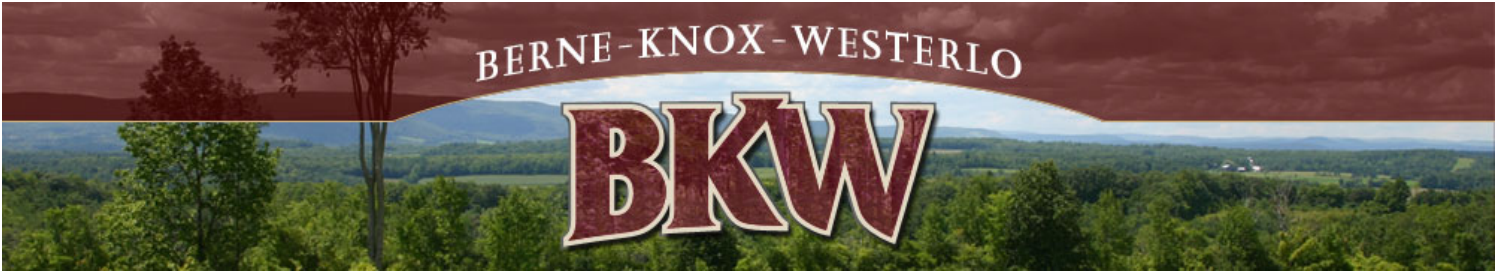
Grades: 10 – 12

Duration: 20 weeks

Exam: final exam

Prerequisite: English 9

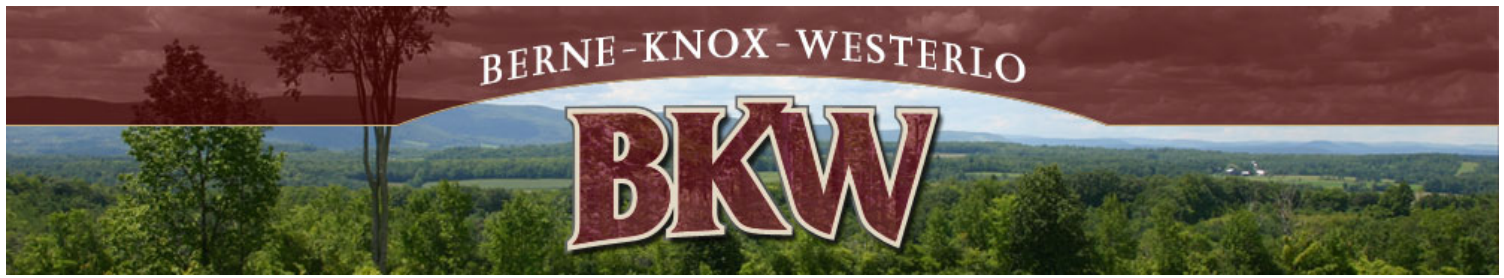
This course is designed to incorporate the world of sports and literature. Students will be reading fiction and non-fiction literature that focuses on a variety of sports. Students will complete a variety of writing assignments in many different genres.



FOREIGN LANGUAGE SEQUENCE OF STUDY

8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
French 8 or Spanish 8	French I or Spanish I	French II or Spanish II	French III or Spanish III	French IV* (UHS) or Spanish IV* (UHS)
	French II or Spanish II	French III or Spanish III	French IV* (UHS) or Spanish IV* (UHS)	

*University in the High School



Foreign Language Department

French I

Grades: 9-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: None

This course will explore the basic common words and is a graduation requirement. Reading and writing skills will begin to develop as well as speaking and listening. This course is designed for students interested in beginning a course of study in French.

French II

Grades: 9-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: French I

This course is a continuation of level one with an emphasis on more complex and diverse vocabulary and grammar in order to communicate on a higher level.

French III

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: French I & II

This course will study reading, writing, speaking, and listening skills in French and further develop and refine verbal skill in the French language.

French IV

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: French I, II & III and teacher recommendation strongly encouraged to help ensure student success in this class.

This course offers students an option to continue in a language and will explore the development of oral and written expression at a higher and more intensive level. Students will be exposed to all aspects of the language with emphasis on listening, speaking, reading, writing, and culture. Students will be able to understand essential points of discussions, speak more confidently in the language, increase comprehension through literature, express written thoughts in an organized manner, and show an understanding and appreciation of the culture being studied.

Spanish I

Grades: 9-12

Duration: 40 weeks

Exam: mid term, final exam

Prerequisite: None

This course will study basic, common words and expressions and is a graduation requirement. This course is designed for students who need to complete a foreign language requirement or who are interested in beginning a course of study in Spanish.

Spanish II

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Spanish I

This course is a higher-level Spanish course offered to students who are interested in taking the Comprehensive Spanish Regents exam and obtaining their Advanced Regents Diploma. This course emphasizes more complex, diverse vocabulary and grammar in preparation for more advanced study.

Foreign Language Department, continued



Spanish III

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Spanish I & II

This course will study reading, writing, speaking, and listening skills in Spanish and further develop and refine verbal skills in the Spanish language.

Spanish IV

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Spanish I,II & III (85 average) and teacher recommendation strongly encouraged to help ensure student success in this class.

College credit:

Course has a fee for the college credit through the University at Albany which may also transfer to other colleges.

Spanish IV is a University in the High School course offered to students who are serious about academics and want to pursue their interest in the Spanish language and culture. This class offers college bound students an option to continue language instruction while earning college credit. This course will stress the development of oral and written expressions at a higher level, expose students to many aspects of the language and emphasize listening, speaking, reading, writing, and cultural differences and similarities.

Physical Education and Health Sciences



Health

Grades: 10-12

Exam: final exam

Duration: 20 weeks

Prerequisite: None

Students must successfully complete this course in order to graduate. This course is a skills-based curriculum based on the New York State guidelines. Students will focus on the six essential skills of communication: decision-making; planning and goal setting; stress-management; self-management; advocacy, and relationship management. These skills will be mastered using functional knowledge of drug awareness, human sexuality, of personal health and fitness, and violence prevention.

Sports & Medicine

Grades: 10-12

Exam: final exam

Duration: 20 weeks

Prerequisite: Health (completion or currently enrolled)

This is designed for students who are interested in health/sport related careers. Students will explore the basics of prevention, evaluation, treatment, and rehabilitation of sports related injuries, and gain a working knowledge of the human body. They will also complete all requirements for American Red Cross Adult CPR/AED Certification.

Physical Education

Grades: 9-12

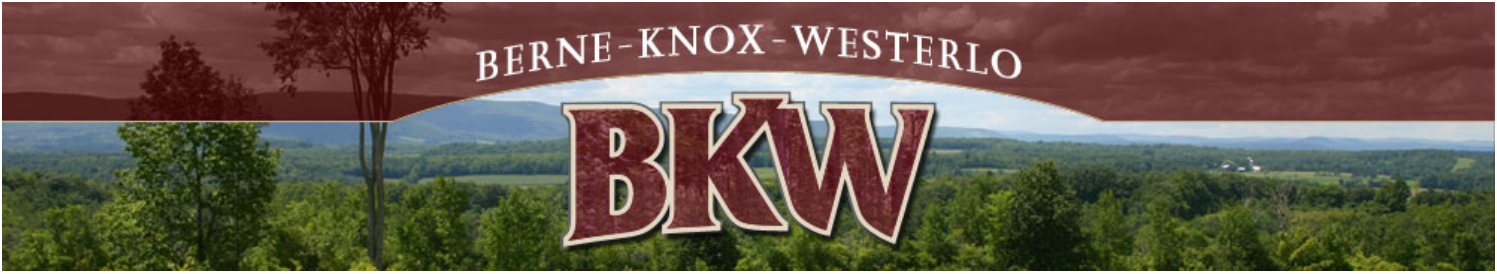
Duration: 40 weeks

Exam: NYS Physical Fitness Test and Skills and Written Tests

Prerequisite: None

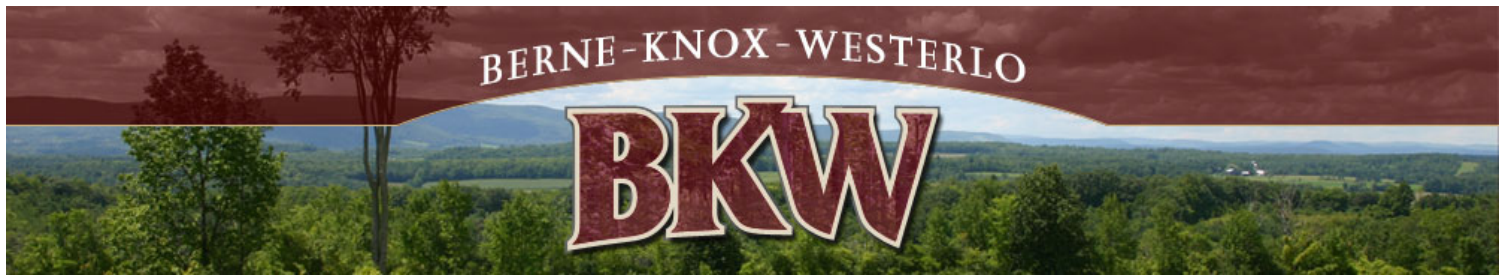
This course is designed to provide students with the basic background and skills necessary to compete and enjoy team sports and other physical lifetime activities; to aid in the development of physical fitness; to develop an appreciation of the benefits of physical activities; and to make a contribution to the development of a healthy life style. The course requirements necessitate that students wear appropriate attire, work to their ability, and be cooperative in class. Two units of this course are required for graduation and the course is required each year.

MATHEMATICS SEQUENCE OF STUDY



8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Integrated Algebra Honors	Geometry Honors	Algebra 2/ Trigonometry	Pre-Calculus	AP Calculus
Math 8	Integrated Algebra	Geometry	Algebra 2/ Trigonometry	Pre-Calculus
		Geometry I	Algebra/College Bound Student	Algebra/College Bound Student
			Geometry	Algebra 2/ Trigonometry
			Geometry I	Geometry
			Financial Math	Geometry I
			Statistics	Financial Math
				Statistics

MATHEMATICS DEPARTMENT



Math Regents Prep

Grades: 9-11

Duration: 20/40 weeks

Prerequisite: None

This course is designed to support students in their learning of the course content required to successfully complete graduation requirements.

Pre-Algebra

Grades: 9-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: None

This course is designed for the student who is planning to attend a two-year college, technical school or directly enter the work force. It is the first course of a two-year sequence in Algebra.

Integrated Algebra

Grades: 9-12

Duration: 40 weeks

Exam: midterm, final exam, Algebra Regents exam (June)

Prerequisite: None

This is the first of four courses intended to be used as a sequence traditionally taught in ninth through twelfth grade. The course emphasizes algebra, the solution of problems using equations, and the graphing of equations and inequalities, probability and statistics.

Geometry I

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Integrated Algebra

This course is designed for the student who is planning to attend a two-year college, technical school or directly enter the work force. A student who had difficulty with Algebra can take this course and continue on to Geometry.

Geometry

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam, Geometry Regents exam (June)

Prerequisite: Integrated Algebra

This course will focus on Euclidian Geometry, axiomatic systems and proofs. The properties of geometric figures are studied with the aid of analytical geometry and transformational and coordinate geometry.

Algebra 2/Trigonometry

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam, Algebra 2/Trig Regents (June)

Prerequisite: Final average of 75 in Geometry and teacher recommendation strongly encouraged to help ensure student success in this class.

This course will focus on polynomials, absolute value, radical, trigonometric, exponential, and logarithmic functions. Students will solve equations algebraically and graphically. Right triangle trigonometry will be expanded to include the investigation of circular functions. Problem situations requiring the use of trigonometric equations and identities will also be investigated as well as the areas of statistics, probability, and sequences.

MATHEMATICS DEPARTMENT, CONTINUED



Algebra for College Bound Students

Grade: 11- 12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Algebra and Geometry strongly encouraged to help ensure student success in this class.

This course is designed to expand upon, and review, the algebraic topics that the students will need to find success on college entry exams and entry level mathematics courses.

Financial Math

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: None

This course is designed to prepare students for the real world. Topics include gross income, net income, checking accounts, loans, housing costs, insurance, investments, purchasing, and sales.

Pre-Calculus

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Final average of 80 in Algebra 2/Trig and teacher recommendation strongly encouraged to help ensure student success in this class.

This course is designed for college bound students who intend to continue their study of mathematics and/or natural and physical science. Its purpose is to review and expand such topics as analytic geometry, vectors, probability, matrix algebra, and limits with an overall goal of preparing students for calculus.

Statistics

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Final average of 80 in Algebra 2/ Trigonometry and teacher recommendation strongly encouraged to help ensure student success in this class.

Statistics is a course designed to cover topics in relation to the collection and analyzing of data. This course will cover topics that are normally covered in the college level statistics course and will thoroughly prepare students for the level of mathematics that is required in the majority of college majors. The course begins with an emphasis on the collection and organization of data through the construction of graphs and histograms. The conclusion of the course will cover topics in probability as it relates to how the data is distributed.

Advanced Placement (AP) Calculus

Grades: 12

Duration: 40 weeks

Exam: midterm, final exam, AP exam (May)

Prerequisite: Final average of 80 in Pre-Calculus and teacher recommendation strongly encouraged to help ensure student success in this class.

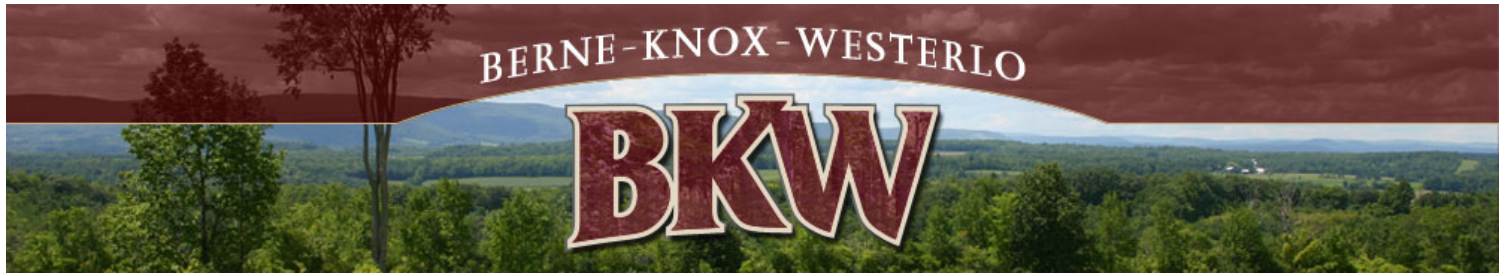
College Credit:

Course has a fee for the AP exam and students may earn college credit based on the grade received on exam and individual college requirements. Course has a fee for the college credit through the University at Albany which may also transfer to other colleges.

Teacher / Department Chair / Principal approval required to be excused from the AP exam.

This high-level math course will serve as the fifth course in a five-year sequence in mathematics. The course develops the basic concepts of function, plan analytic geometry, limits, continuity, differentiation, and integration of algebraic functions with applications.

Music Department



High School Band

Grades: 9-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: 7th & 8th grade band (or equivalent playing ability)

High school band is open to students who have played in 7th and 8th grade band and/or have demonstrated a playing ability on an intermediate or higher level. Students are required to participate in all concerts and parades to receive credit for band.

High School Chorus

Grades: 9-12

Duration: 40 weeks

Exam: midterm and final exam

Prerequisite: None

High school chorus is open to all students who enjoy singing and wish to improve their musical skills. Students are required to participate in all concerts to receive credit for choir.

Chamber Singers

Grades: 9- 12

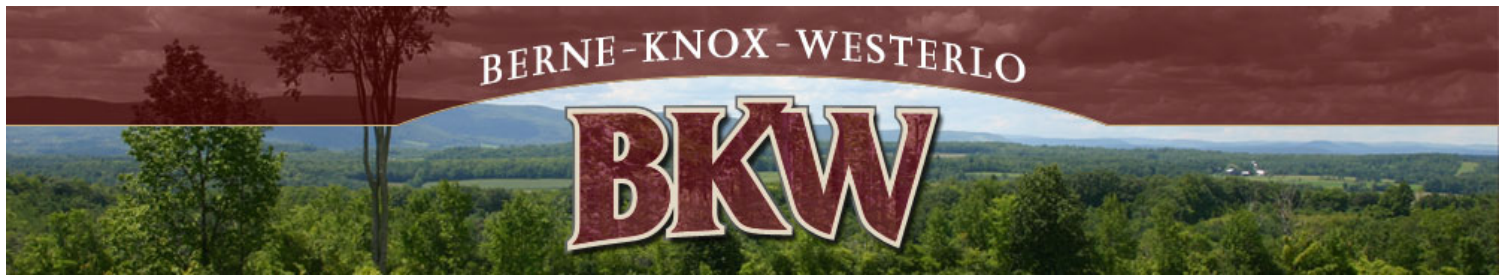
Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: High school choir and audition

Chamber Singers is a select vocal ensemble with a maximum enrollment of 24 students (6 for each voice part). The group specializes in more advanced repertoire and a cappella singing. Various styles of music are explored and performed, from classical to jazz and rock.

SCIENCE SEQUENCE OF STUDY



8 th Grade	9 th Grade	10 th Grade	11 th - 12 th Grade
8 th Grade Physical Science	Earth Science (Regents)	Astronomy	Astronomy
			Current Issues in Biology
Earth Science Honors (Regents)	Living Environment Honors (Regents)	Chemistry (Regents)	Engineering / Digital Future
			Forensic Science
		Chemistry Honors (Regents)	General Chemistry
			General Physics
		General Chemistry	Physics (Regents)
			Science in the Media
		Science in the Media	AP Biology
			AP Chemistry

SCIENCE DEPARTMENT



Science Regents Prep

Grades: 9-11

Duration: 20/40 weeks

Prerequisite: None

This course is designed to support students in their learning of the course content required to successfully complete graduation requirements.

Earth Science (Regents)

Grades: 9

Duration: 40 weeks

Exam: midterm, final exam and Earth Science Regents exam (June)

Prerequisite: 8th grade Physical Science

This course will focus on the study of Earth and space. The primary emphasis of study will require students to use basic scientific concepts and principles to learn about processes that occur on the Earth as well as in space. Students will study the main topics: mapping, composition of the Earth, surface processes on the Earth, atmosphere and oceans, plate tectonics, geologic time, environmental resources and the basic study of space. **The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.**

Living Environment (Regents)

Grades: 10

Duration: 40 weeks

Exam: midterm, final exam, Living Environment Regents exam (June)

Prerequisite: Earth Science

This course focuses on the study of living things. Students will study key ideas and major understandings in the New York State Living Environment core curriculum. Topics that will be explored include: scientific inquiry and skills, laboratory skills, unity and diversity among living things, homeostasis in organisms, genetic continuity, reproduction and development, evolution, ecology, human impact on ecosystems, and the human body. **The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.**

Living Environment Honors (Regents)

Grades: 9-10

Duration: 40 weeks

Exam: midterm, final exam, Living Environment Regents exam (June)

Prerequisite: Final average of 85 in Earth Science and teacher recommendation strongly encouraged to help ensure student success in this class.

This course is a more in depth investigation of the key ideas and major understandings in the New York State Living Environment core curriculum. Topics that will be explored include: scientific inquiry and skills, laboratory skills, unity and diversity among living things, homeostasis in organisms, genetic continuity, reproduction and development, evolution, ecology, human impact on ecosystems, and the human body. Students will be responsible for a research project outside of class. **The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.**

SCIENCE DEPARTMENT, CONTINUED



Chemistry (Regents)

Grades: 10-11

Duration: 40 weeks

Exam: midterm, final exam, Chemistry Regents exam (June)

Prerequisite: Completion of Algebra and enrollment in Geometry strongly encouraged to help ensure student success in this class.

This course of study presents a modern view of chemistry suitable for college bound students with a wide range of skills and abilities. The course emphasizes chemical principles such as atomic structure, bonding, chemical kinetics, redox; organic chemistry and nuclear chemistry.

The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.

Chemistry Honors (Regents)

Grades: 10-11

Duration: 40 weeks

Exam: midterm, final exam, Chemistry Regents exam (June)

Prerequisite: The following prerequisites are strongly encouraged to help ensure student success in the class: final average of 85 in Earth Science and an 85 on the Regents exam and a final average of 85 in Living Environment and an 85 on the Regents exam.

This course of study presents a modern view of chemistry suitable for college bound students with a wide range of skills and abilities. The course emphasizes chemical principles such as atomic structure; bonding; chemical kinetics; redox; organic chemistry and nuclear chemistry. There will also be some advanced chemistry concepts covered in an AP Chemistry or freshmen college chemistry class. **The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.**

General Chemistry

Grades: 10-11

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: None

This course will enhance science literacy by emphasizing chemistry's impact on society using hand-on lab work to guide the study of the many topics covered. Students will be exposed to the important role that chemistry will play in their personal and professional lives; use chemistry knowledge to think through and to make informed decisions about issues involving science and technology; and develop a lifelong awareness of both the potential and the limitations of society and technology.

Astronomy

Grades: 10-12

Duration: 40 or 20 weeks

Exam: midterm, final exam

Prerequisite: Completion of Algebra, Earth Science and Living Environment strongly encouraged to help ensure student success in this class.

This course will cover the history of the space program, including beginning rocketry, the U.S./Russian space race, lunar landings and geology, and the International Space Station. Students will study the stars, identification of constellations, planets, comets, in the night sky (night work with telescopes will be necessary).

SCIENCE DEPARTMENT, CONTINUED



Current Issues in Biology

Grades: 10-12

Duration: 40 or 20 weeks

Exam: midterm, final exam

Prerequisite: Completion of Living Environment

This course will investigate the latest scientific findings. Students will discuss the impact these discoveries will have on society and the advancement of science. The course will involve debate and discussion of the moral and ethical implications of the scientific research. Students will analyze the advantages and disadvantages of the findings from this research. Court rulings involving scientific research, policies, and procedures will also be investigated.

General Physics

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Completion of a Regents science course and Algebra strongly encouraged to help ensure student success in the class.

This is an applied physics course for those who plan on a career as technicians or who just want to keep pace with advances in technology. The focus will be on force, work, rate, resistance, energy and power. Each unit uses a systems concept to explain its application to mechanical, fluid, electrical and thermal systems. Students will acquire a firm foundation for understanding the technology that surrounds them today, and some insights into future technological expectations. Students will be able to practically apply the math skills studied in other courses.

Engineering Our Digital Future

Grades: 10-12

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Completion of Algebra and a Regents level science course are strongly encouraged to help ensure student success in this class.

Math and science concepts are applied to new technologies such as: digital music and image, cell phones, I-pods, MP3, and the Internet. Computer chips, binary numbers, matrix operation, computer security, encryption, wireless, and networks are just a few other topics covered.

Science in the Media

Grades: 10 -12

Duration: 40 or 20 weeks

Exam: midterm, final exam

Prerequisite: Earth Science and Living Environment (currently enrolled)

The course will focus on use of science in different forms of media. Students will analyze the portrayal of science in movies, books, TV, and the news. Students will research the scientific concepts and determine if there has been a realistic representation of the concepts.

SCIENCE DEPARTMENT, CONTINUED



Forensic Science

Grades: 11-12

Duration: 40 weeks

Exam: midterm and final exam

Prerequisite: Final grade of 85 on the Living Environment Regents and successful completion of Regents Chemistry strongly encouraged to help ensure student success in this class.

Forensics science is an exciting field that applies many branches of science and social science to eliminate what is irrelevant, and to correctly interpret what is relevant to criminal investigations. This course will develop the students' problem-solving skills by using the tools and techniques of the modern forensic scientist on various mock crime scenes in the classroom. Students will be challenged with topics such as fingerprinting, DNA analysis, blood typing and spattering, trajectories, ballistics, comparative anatomy, chemical analysis of poisons, and microscopic analysis of trace evidence

Physics (Regents)

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam, Physics Regents exam (June)

Prerequisite: Completion of Chemistry, Geometry and currently enrolled in Algebra 2/Trigonometry strongly encouraged to help ensure student success in this class.

This course of study gives the college bound student a basic understanding of some of the principle rules of physics. It covers five major topic areas: mechanics; energy; waves; electricity; and nuclear physics. This course is specifically designed to give the student general background information necessary to go on in careers in science, math, and/or engineering. **The laboratory section of this course is an important hands-on application of material covered in class and required for the Regents exam.**

Advanced Placement (AP) Biology

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam, AP exam (May)

Prerequisite: Final average of 85 in Living Environment, successful completion of Chemistry and a passing grade on the Chemistry Regents exam and teacher recommendation strongly encouraged to help ensure student success in this class.

College credit:

Course has a fee for the AP exam and students may earn college credit based on the grade received on the AP exam and individual college requirements.

Teacher / Department Chair / Principal approval required to be excused from the AP exam.

AP Biology is designed to be the equivalent of a two semester college introductory biology course usually taken by biology majors during their first year. Students will focus on the conceptual framework, knowledge, and analytical skills necessary to deal with the changing science of biology.

Advanced Placement (AP) Chemistry

Grades: 11 -12

Duration: 40 weeks

Exam: midterm, a final exam, AP exam in (May)

Prerequisite: Final average of 85 in Honor Chemistry, grade of 85 on the Chemistry Regents and currently enrolled in Pre-Calculus strongly encouraged to help ensure student success in this class.

College credit: Course has a fee for the AP exam and students may earn college credit based on the grade received on the AP exam and individual college requirements. **Teacher/Department Chair/Principal approval required to be excused from the AP exam.**

AP Chemistry is a first year college level course. Students will continue learning the fundamentals of chemical principles and theories. The course will place an emphasis on chemical calculations and the mathematical formulation of principles through lectures and additional laboratory study.

SOCIAL STUDIES SEQUENCE OF STUDY



9 th Grade	10 th Grade	11th Grade	12 th Grade
Global History and Geography I	Global History and Geography II	US History and Government	Participation in Government ½ year
Global History and Geography I Honors	AP World History	AP US History and Government	Economics ½ year
	Holocaust ½ year	American History through Film ½ year	AP Government
	Local History ½ year	History of the 1960s ½ year	American History through Film ½ year
	Psychology ½ year	Holocaust ½ year	History of the 1960s ½ year
	Sociology ½ year	Local History ½ year	Holocaust ½ year
		Psychology ½ year	Local History ½ year
		Sports in America Colonial Times to the 21 st Century ½ year	Psychology ½ year
		Sociology ½ year	Sports in America Colonial Times to the 21 st Century ½ year
		AP Psychology	Sociology ½ year
			AP Psychology

Social Studies Department

Social Studies Regents Lab

Grades: 9-12

Duration: 20/40 weeks

Exam: Regents final exam

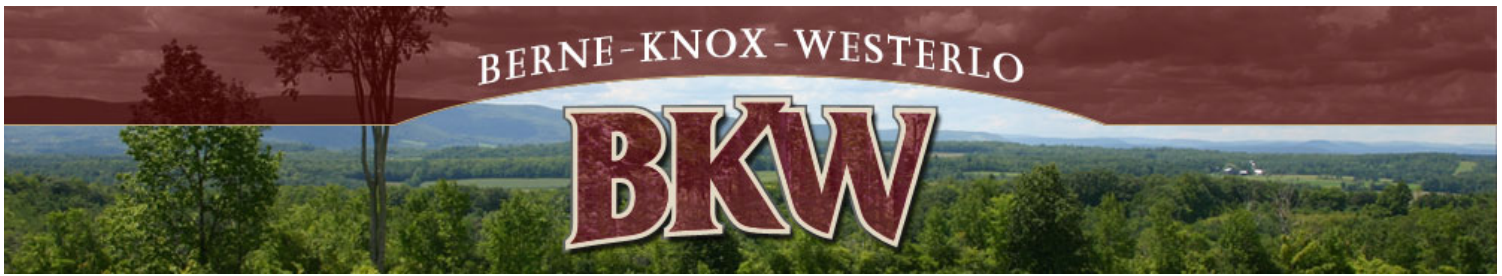
Curriculum Handbook

Global History and Geography II

*Grades:*10

Duration: 40 weeks

Exam: midterm, final exam, Global History Regents exam



Prerequisite: None

This course is designed to support students in their learning of the course content required to successfully complete graduation requirements.

Global History and Geography I

Grades: 9

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Social Studies 8

Global History I is the first course of a two-year program in Global History and Geography. It is an in-depth chronological examination of the history of the world from the prehistoric period to the Age of Revolution. Global History examines the history, geography, political, social and economic events that have shaped human history.

Global History and Geography I Honors

Grades: 9

Duration: 40 weeks

Exam: midterm, final exam

Prerequisite: Final average of 85 in eighth grade social studies and teacher recommendation strongly encouraged to help ensure student success in this class.

This course will prepare students for the AP World History class in tenth grade and is taught to the AP standards and emphasizes analytical reading and writing skills. Topics studied will include the interaction of humans and the environment; the development and interaction of cultures; state-building, expansion, and conflict; the creation and interaction of economic systems; and the development and transformation of social structures. The course begins with the origins of humanity and moves to the development of classical civilizations and belief systems, the rise and fall of empires, interregional networks of trade, and demographic changes up to the year 1450 C.E. *This is an intensive reading and writing course that includes a required summer assignment.*

(June)

Prerequisite: Global History and Geography I

Global History II is a continuation of the Global History and Geography curriculum. It continues the examination of the history, geography, political, social and economic events of human history from the Age of Revolutions to the present.

Advanced Placement (AP) World History

Grades: 10

Duration: 40 weeks

Exam: midterm, final exam, AP exam (May), Regents exam (June)

Prerequisite: Final average of 85 in Global History and Geography and English 9 along with teacher recommendation

strongly encouraged to help ensure success student in this class.

This course will cover the origins of human civilization from early times to the modern day. The six overarching themes studied are the impact of societal interaction, change and continuity across world history periods, technology, social and gender structures, cultural and intellectual developments, and the function and structure of states. *This is an intensive reading and writing course that includes a required summer assignment.*

Social Studies Department, continued

United States History and Government

Grades: 11-12

Duration: 40 weeks

Exam: midterm, final exam, US Regents exam (June)

Participation in Government

Grades: 12

Duration: 20 weeks

Exam: final exam



Prerequisite: Global History I and Geography II

Prerequisite: U.S. History and Government

U.S. History and Government is taught chronologically beginning with the colonial period and continuing until the present. Major topics include: the U.S. Constitution, American geography, economics system, industrial development, the rise of unions, immigrants and their contributions, and U.S. foreign policy.

This course emphasizes the interaction between citizens and government at all levels: local, state, and federal. Students are encouraged to understand and participate in the democratic process, examine public policy issues, and learn how political decisions are made. The purpose of the course is to prepare the student for responsible participation in the American political system.

Advanced Placement (AP) United States History

Grades: 11-12 *Duration:* 40 weeks
Exam: midterm, final exam, AP exam (May), Regents exam (June)
Prerequisite: Grade of 85 on the Global History Regents exam strongly encouraged to ensure student success in this class.

Economics

Grades: 12 *Duration:* 20 weeks
Exam: final exam
Prerequisite: U.S. History and Government

This course examines basic economic concepts: supply and demand, scarcity, productivity, inflation, profit, interdependence, capital, competition, and the stock market. The purpose of the course is to prepare the student for effective and intelligent participation in the economy of the United States and the global economy.

College Credit:

Course has a fee for the AP exam and students may earn college credit based on the grade received on the exam and individual college requirements. Students may earn six college credits through Schenectady County Community College which may transfer to other colleges. **Teacher/ Department Chair / Principal approvals required to be excused from the AP exam.**

Advanced Placement (AP) United States Government and Politics

Grades: 12 *Duration:* 40 weeks
Exam: midterm, final exam, AP exam (May)
Prerequisite: Final grade of 85 on ELA, Global History and United States History and teacher recommendation strongly encouraged to help ensure student success in this class.
College Credit:

Advanced Placement United States History is an in-depth course designed for the student with a special interest in American History and other social science disciplines. The course will provide an in-depth examination of American political institutions and behavior, public policy, social and economic change, diplomacy and international relations as well as cultural and intellectual development in American history. *This is an intensive reading and writing course that includes a required summer assignment.*

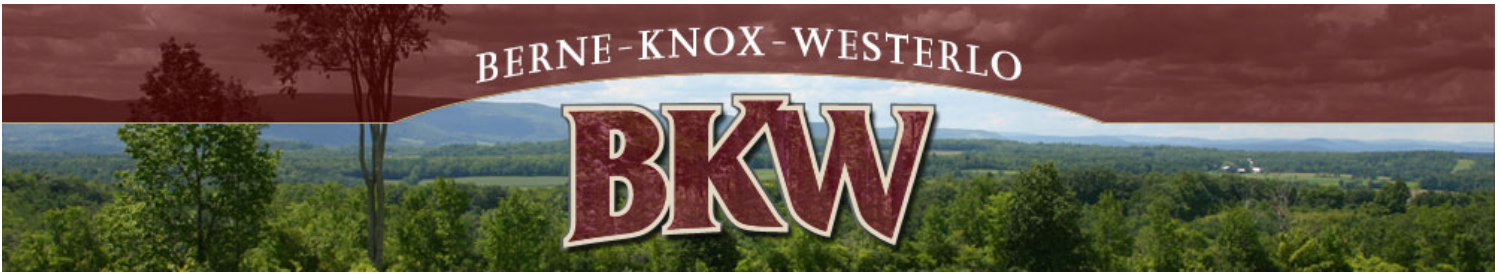
The AP exam has a fee and students may earn college credit based on the grade received on the exam and individual college requirements. Students may earn college credits through Schenectady County Community College which may transfer to other colleges. **Teacher / Department Chair / Principal approvals required to be excused from the AP exam.**

This course is designed to promote intensive study of the governmental and political systems of the United States.

Social Studies Department, continued

American History through Film

Psychology



Grades: 10 – 12
 Exam: Final exam
 Prerequisite: Global History

Duration: 20 weeks

This course will present various films from different time periods in US History in the use of stimulating media awareness and critical viewing skills for students. Historical films will be analyzed to determine their historical accuracy and separate fact from fiction.

Holocaust

Grades: 10 – 12
 Exam: Final exam
 Prerequisite: None

Duration: 20 weeks

This course will focus on a variety of topics surrounding the Holocaust. The course will utilize various media including film, literature, and primary source documents. The course material will provide historic information as a support for material covered in English 10 as well as US History & Government

Local History

Grades: 10 – 12
 Exam: Final Exam
 Prerequisite: Grade 9 Social Studies

Duration: 20 weeks

The local history of Albany County and the surrounding Hilltowns is rich in Native American, Dutch, English and French heritage. This course will explore life in upstate New York through the modern period and examine the economic, social and political changes of the region.

Grades: 10-12
 Exam: Final exam
 Prerequisite: None

Duration: 20 weeks

This course will include an introduction to research methods, major schools of thought and the biological basis of behavior. Students will learn about social and biological aspects of human behavior.

Sociology

Grades: 10-12
 Exam: Final exam
 Prerequisite: None

Duration: 20 weeks

This course is a systematic introduction to the major sociological concepts for understanding the structure and dynamics of contemporary society. Major topics include an introduction to social methods of inquiry, major schools of thought, culture and social structure.

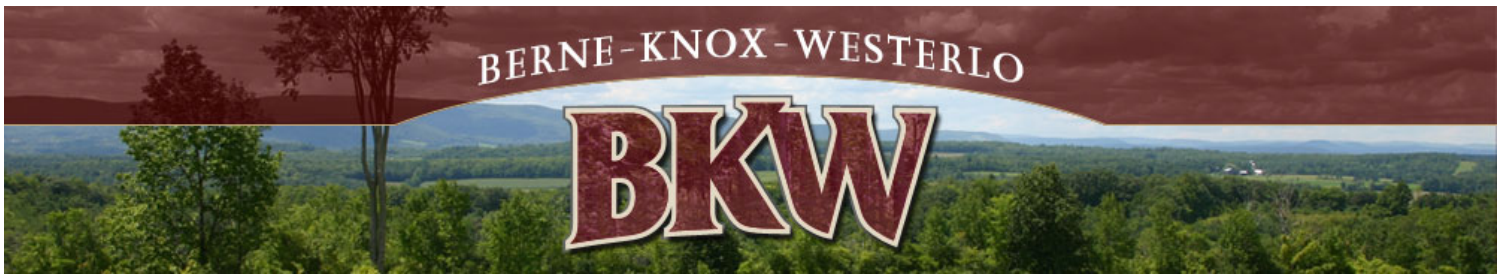
History of the 1960s

Grades: 11 – 12
 Exam: Final exam
 Prerequisite: US History/AP US History (currently enrolled)

Duration: 20 weeks

This course will study the turbulent and sometimes troubling history of the US and the world in the 1960s. The aftermath of the decade will be followed into the mid 1970s as the world and the country emerge from a defining decade.

Social Studies Department, continued



Sports in America from Colonial Times to the 21st Century

Grades: 11 – 12

Duration: 20 weeks

Exam: Final exam

Prerequisite: US History/AP US History (currently enrolled)

This course will study sports from the perspectives of society, business, economics, law, politics, and psychology. The focus will be on history and explaining the processes by which sports and institutions have developed over the centuries, especially in the context of major social developments such as industrialization, urbanization, and immigration.

Advanced Placement (AP) Psychology

Grades: 12

Duration: 40 weeks

Exam: midterm , final exam and an AP exam (May)

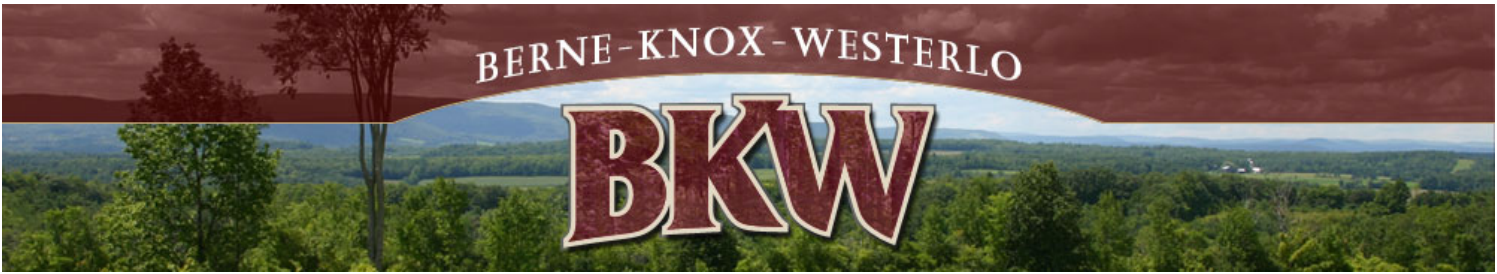
Prerequisite: Final grade of 85 in and either Global History & Geography or United and teacher recommendation strongly encouraged to help ensure student success in the class.

College Credit:

The AP exam has a fee and students may earn college credit based on the grade received on the exam and individual college requirements. Students may earn college credits through Schenectady County Community College which may transfer to other colleges. **Teacher / Department Chair / Principal approvals required to be excused from the AP exam.**

This course is designed to study the mind and mental process of humans and other organisms scientifically. Psychological terminology, concepts and theories in the various subfields of psychology will be examined in depth. AP Psychology will include college-level instruction, vocabulary, expectations and student responsibility. *This is an intensive reading and writing course that includes a required summer assignment*

TECHNOLOGY DEPARTMENT SEQUENCE OF STUDY



9 th Grade	10 th – 12 th Grade
Design and Drawing for Production	Architectural Drawing
	Computer Aided Design
Architectural Drawing	Computer Applications
	Construction Systems
Computer Applications	Energy Systems
	*Fine Woodworking
	Land Transportation Systems
	Production Systems
	Transportation Systems
	Web Page Design I
	*Web Page Design II

**11th and 12th grade only*

Technology Department

Design & Drawing for Production

Energy Systems



Production Systems

Grades: 10-12

Duration: 20 weeks

Exam: Final exam

Prerequisite: Design & Drawing for Production

This course studies the systems of manufacturing and construction: their resources, processes, products, and quality assurance and their impact on society, the economy, the environment, and manufacturing.

Transportation Systems

Grades: 10-12

Duration: 20 weeks

Exam: Final exam

Prerequisite: Design & Drawing for Production

This course is an overview of aerospace, land, and marine transportation systems.

Web Page Design I

Grades: 10-12

Duration: 20 weeks

Exam: Final exam

Prerequisite: Design & Drawing for Production

This course will prepare students to create, critique, and maintain academic and commercial Web pages. The course develops an understanding of HTML.

Web Page Design II

Grades: 11-12

Duration: 20 weeks

Exam: Final exam

Prerequisite: Web Page Design I

This course will expose students to the entire construction process of web design from planning, to creating the site and adding final touches using Adobe CS5 (Illustrator, Photoshop, Fireworks, Flash and Dreamweaver). Students will create a storyboard or blueprint for a website. Students will learn about website navigation, style sheets, graphic creation, digital image optimization, security and server hosting. Students will work in teams with specific tasks assigned to individual team members through the website creation and management.

COLLEGE CREDIT OPPORTUNITIES



Students may enroll in the following courses and earn college credit after successful completion of the course and appropriate grade on the course specific AP exam:

- AP Art History**
- AP Calculus**
- AP Chemistry**
- AP Biology**
- AP Government & Politics**
- AP Literature & Composition**
- AP Psychology**
- AP US History & Government**
- AP World History**

Students in their senior year are also given the opportunity to take courses at local colleges and have the credits also count for their graduation requirements. The colleges will have certain requirements for admission and an application needs to be submitted. Students will need approval from their parents, the principal and the guidance counselor.

- Hudson Valley Community College**
- Sage College of Albany**
- Schenectady County Community College**
- SUNY Cobleskill**
- University at Albany**

The University In The High School Program is through the University at Albany, students are required to pay a minimal fee to the University in order to receive college credits.

- AP Calculus**
- Spanish IV**

University in the High School Program through Schenectady County Community College, students are required to pay a minimal fee to the college in order to receive these college credits.

- AP Art History**
- AP Government**
- AP Psychology**
- AP US History & Government**

The New Visions Honors programs are offered through the Capital Region Career & Technical School during the senior year. The application process begins in March of the junior year.

- Communications**
- Health Careers**
- Law & Government**

Capital Region Career & Technical School
www.bocescareertech.org

CAREER & TECHNICAL PROGRAMS



Technical Education is one of several choices of study available to high school students. The major emphasis is on learning skills that, will prepare students for success in today's highly technical world.

Students interested in attending a career and technical program starting in their junior year will have to meet the following eligibility requirements:

- a cumulative grade point average of at least 75 for ninth and tenth grade;
- a minimum of 12 units by the end of tenth grade to be academically on track to graduate with their cohort;
- an attendance record better than 90 percent each quarter for ninth and tenth grade;
- excessive disciplinary referrals as reviewed by the administrative department.

Albany Campus

Administrative & Medical Office Assistant
 Auto Body Refinishing/ Collision
 Automotive Services/Small Engine Repair
 Automotive Tech Prep
 AYES Automotive Technician
 Building Trades
 Carpentry Services
 Clean, Green and Advanced Technologies
 Computer & Network Technician
 Early Childhood Education
 Electrical Trades
 Floral Design
 Food Services
 Gaming, Multimedia & Web Design
 Global Fashion Studies
 Health Services
 HVA/R (Heating, Ventilation, AC & Refrigeration)
 Medium/Heavy Duty Truck Repair
 Office Operations
 Nurse Assistant
 Vocational Training & Transition
 Welding & Metal Fabrication

Schoharie Campus

Automotive Trades Technology
 Building & Grounds Maintenance
 Commercial Construction/Heavy Equipment
 Criminal Justice
 Cosmetology
 Culinary Arts & Hospitality Technology
 Residential Construction

Capital Region Career & Tech. School

www.bocescareertech.org

