Peru High School Counseling Department Course Catalog

2025-2026

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PERU CENTRAL SCHOOL DISTRICT
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MISSION

We prepare our students to be fulfilled, empowered individuals and contributors to their community by providing an engaging, challenging and supportive learning environment.

VISION

We are the heart of a learning community that supports all members in growth, learning and achievement through a wide variety of experiences.

CORE VALUES

We believe that we can achieve our vision and accomplish our mission if in all of our work we focus on clearly defined and consistently demonstrated core values.
To that end, in all of our actions and interactions we will:

- Be present and engaged.
- Foster a sense of belonging for all members of the school community.
- Create opportunities for all learners to grow.
- Promote health, wellness and joy.
- Set high standards for our work, for our performance and for our relationships.
- Make thoughtful decisions based on best practices and sound evidence.
- Embrace curiosity, collaboration, connection, critical thinking.
- Treat others how they would like to be treated.
- Focus on the needs of each individual and ensure equity in our work.
- Honor the dignity of each individual.
- Take care of ourselves and each other.
- Build trust and demonstrate integrity.

Courses are listed by subject in the following order:

College Advancement Program (CAP) courses in partnership with Clinton Community College

Art

Business

English Language Arts

Health

Languages Other Than English (LOTE) — French & Spanish

Mathematics

Music

Physical Education

Science

Social Studies

Technology

Leadership

COLLEGE ADVANCEMENT PROGRAM (CAP) COURSE DESCRIPTIONS

Students must be a junior or senior to take the following courses for CAP credit, unless a waiver is granted by Clinton Community College *(see the CAP coordinator for waiver details).*

ART

ART 103 INTRODUCTION TO DRAWING — FULL YEAR — 3 CREDITS CCC

This studio course is an introduction to the applied art of drawing. Hands-on creative problem solving and strong work ethic are highly encouraged in a studio atmosphere. Through in- depth projects and personalized demonstrations, students will gain greater insight, sensitivity, and understanding of how to create and finish a drawing as a work of art. The student will study techniques and media to sharpen visual/perceptual skills and, in turn, become more confident to pursue drawing as an artist.

BUSINESS

BUS 101 INTRODUCTION TO BUSINESS — ONE SEMESTER — 3 CREDITS CCC

Introduction to business will identify the role and purpose of business and provide an overview of functional areas of business including management, finance, marketing, and operations. Course will focus on ethics and social responsibility of businesses and the influence of the global, financial, and legal environment by applying business concepts and vocabulary. The business plan is a project grade for this course (College Advance Program 3 credits 11th-12th grade-Fall Semester Only)

BUS 260 BUSINESS LAW I — ONE SEMESTER — 3 CREDITS CCC

Prerequisite: BUS 101.

Introduces fundamental legal principles and their applications to business and everyday life. The requirements for forming contracts (business and personal) and the legality/ethics of business is covered. Warranties, consumer protection, sales contracts, negotiable instruments and all legal aspects of employment are important aspects of this course. (College Advanced Program 3 credits 11th-12th grade-Spring Semester Only)

ACC 120 FINANCIAL ACCOUNTING — FULL YEAR — 4 CREDITS CCC

Prerequisites: MAT 100 or higher and placement into ENG 101.

This is a course of study that introduces financial accounting and financial reporting for business entities. It offers an introduction to the accounting information system with emphasis on measuring, reporting, and using accounting information related to operating, investing, and financing activities, and involves detailed discussion of accounting concepts and issues concerning the financial position, income statement, statement of stockholders' equity and statement of cash flows. (College Advance Program 4 credits 11th-12th grade)

ENGLISH

ENG 101 ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION

FULL YEAR **3 CREDITS CCC**

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

ENG 101 CAP ENGLISH

ONE SEMESTER **3 CREDITS CCC**

This is a half-year course that is designed to help students acquire the skills they will need for academic success. They will learn to produce essays that are clear, concise, and unified. The writing process is emphasized. Students write a total of 6 papers both in and out of class; some of these essays may require outside sources. The final essay of the course is the argumentative research essay, which is a mandatory component of the course. The course concludes with a professional presentation, which counts as the final exam for the course. CAP English fulfills the SUNY General Education requirement for the Basic Communication Knowledge and Skill Area.

FOREIGN LANGUAGE

FRE 102 ELEMENTARY FRENCH II

1ST SEMESTER **3 CREDITS CCC**

Corresponding Peru CSD course: First semester of French 5 Elementary French II is a direct continuation of FRE 101 with further development of the four language skills to a high novice level and continued introduction to Francophone culture.

FRE 201 INTERMEDIATE FRENCH I

2ND SEMESTER **3 CREDITS CCC**

Prerequisite: FRE 102

Corresponding Peru CSD course: Second half of French 5

The main objectives of this course are to help students develop effective communication skills in French through the development of the four basic language skills (listening, speaking, reading and writing) and cultural knowledge.

SPA 102 ELEMENTARY SPANISH II — 1ST SEMESTER — 3 CREDITS CCC

Corresponding Peru CSD course: First half of Spanish 5

Beginning Spanish II is a direct continuation of SPA 101 with further development of the four language skills to a high novice level and continued introduction to Hispanic Culture.

SPA 201 - INTERMEDIATE SPANISH I — 2ND SEMESTER — 3 CREDITS CCC

Corresponding Peru CSD course: Second half of Spanish 5

Prerequisite: SPA 102

The main objectives of this course are to help students develop effective communication skills in Spanish through the development of the four basic language skills (listening, speaking, reading, and writing) and cultural knowledge.

MATHEMATICS

MATH 204 AP PRE-CALCULUS - CCC — FULL YEAR — 4 CREDITS CCC

Prerequisite: Successful completion of Algebra ACC, Geometry ACC,, and Algebra II ACC with successful completion of each respective Regents Examination.

Recommended: Approval of Previous Math Instructor

This one credit, full year course is designed to prepare students for calculus and technical courses. Course topics include exponential, logarithmic, and trigonometric functions; trigonometric identities and equations; oblique triangles; polar coordinates; and conic sections. If time permits, systems of equations and matrices will be covered. The use of the graphing calculator is required for this course to further the exploration of these topics and their applications. Students who want the CAP option must meet the criteria set forth by Clinton Community College. This course follows the curriculum set forth by Clinton Community College. If students choose the CAP option, students earn 4 college credits.

MATH 204 PRE-CALCULUS 11 HONORS — FULL YEAR — 4 CREDITS CCC

Prerequisite: Successful completion of Algebra ACC, Geometry ACC,, and Algebra II ACC with successful completion of each respective Regents Examination.

Recommended: Approval of Previous Math Instructor

This one credit, full year course is designed to prepare students for calculus and technical courses. Course topics include exponential, logarithmic, and trigonometric functions; trigonometric identities and equations; oblique triangles; polar coordinates; and conic sections. If time permits, systems of equations and matrices will be covered. The use of the graphing calculator is required for this course to further the exploration of these topics and their applications. Students who want the CAP option must meet the criteria set forth by Clinton Community College. This course follows the curriculum set forth by Clinton Community College. If students choose the CAP option, students earn 4 college credits.

MAT224 CALCULUS

FULL YEAR **4 CREDITS CCC**

Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II with successful completion of each respective Common Core Regents Examination.

Recommended: Pre-Calculus OR Approval of Previous Math Instructor

This course is an introduction to the basic concepts of differential and integral calculus. Course topics include limits and continuity; differentiation and its application including curve sketching; indefinite and definite integrals; the Fundamental Theorem of Calculus; antiderivatives and integrals of the trigonometric functions. The use of a graphing calculator is required for this course to further the exploration of these functions and their applications. This course must use the criteria and curriculum set forth by The College Board. If students choose the CAP option, students earn 4 college credits.

MAT103 FINITE MATH

FULL YEAR **3 CREDITS CCC**

Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II, which can include Algebra I, Algebra IA/IB, Applied Geometry, or Intermediate Algebra II Common Core. Students taking this course for CAP Credit must meet at least one of the following criteria:

- SAT Math Score 500
- ACT Math Score 20
- Successful completion of the aforementioned courses AND successfully pass 2 math Regents exams
- Placement Exam
- Pass Algebra I Common Core and score 85 or higher on Regents AND successfully complete one other Regents course

This one credit, full year course emphasizes mathematical skills and techniques applicable to business, life sciences and social sciences. Course topics include linear functions, quadratic functions, mathematics of finance, systems of equations, matrices, linear programming, set theory, basic probability and combinatorics. The use of a graphing calculator is required for this course to further the exploration of these topics and their applications. Near the end of the course, students will complete a comprehensive, departmental final exam. (Taken from Clinton Community College description of this course). Students who want the CAP option must meet the criteria set forth by Clinton Community College. This course follows the curriculum set forth by Clinton Community College. If students choose the CAP option, students earn 3 college credits.

STATISTICS - MAT161

ONE SEMESTER **3 CREDITS CCC**

Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II with successful completion of each respective Common Core Regents Examination.

Recommended: Approval of Previous Math Instructor

This is a one-semester, half credit course designed for the college-bound student. The course involves the analysis of data, determination of frequencies, mean, median, mode, standard deviations, and variance. The normal curve and normal distribution will be covered along with their applications in random sampling, statistical hypothesis, confidence limits, and statistical inferences. This course should only be selected in addition to Pre-Calculus and/or Calculus

unless those courses are not needed for college. Students may receive 3 hours of college credit through Clinton Community College for this course.

Students who want the CAP option must meet the criteria set forth by Clinton Community College. This course follows the curriculum set forth by Clinton Community College. If students choose the CAP option, students earn 3 credits.

AP COMPUTER SCIENCE A

FULL YEAR **3 CREDITS CCC**

Prerequisite: Successful completion of Algebra I; Successful Completion of Algebra II is recommended. Successful completion of Introduction to Computer Programming is recommended.

This is a one credit, full year course. Students will learn to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development, and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. This course may prepare students for the end-of-course AP Exam. If students choose the CAP option, students earn 3 credits.

SCIENCE

COLLEGE PHYSICS PART I

1ST SEMESTER **4 CREDITS CCC**

Prerequisite: Algebra II/Trigonometry R (must pass regents exam) and Teacher Recommendation
College Tuition Cost: Approximately $200 (Subject to change)

This is the first of a two-semester sequence designed to present concepts and applications of the following topics: kinematics, dynamics, gravitation, energy, momentum, and heat. Advanced algebra, trigonometry, and graphing skills are essential for this course. Lab periods will be held on alternate days. Students will discover how Physics plays an everyday role in their lives by performing lab investigations, group projects and collaborating with their peers. Students will also have an opportunity to investigate Physics through enrichment competitions.

COLLEGE PHYSICS PART II

2ND SEMESTER **4 CREDITS CCC**

Prerequisite: Physics 111
College Tuition Cost: Approximately $200 (Subject to change)

This is a continuation of the college physics course offered through Clinton Community College. Topics covered will include sound, optics, electricity, magnetism, and modern physics. Advanced algebra, trigonometry, and graphing skills are essential for this course. Lab periods will be held on alternate days.

TECHNOLOGY

PRINCIPLES OF ENGINEERING

ONE SEMESTER **3 CREDITS CCC**

Prerequisite: 10th-12th Grade

Learn what it takes to be an engineer. Students will learn fundamentals of the engineering design process by solving problems and making solutions. Students will use equipment and tools to create structures, mechanisms, and electronics while using energy sources such as hydraulics and pneumatics. This course can be taken as a CAP credit through Clinton Community College.

PERU HIGH SCHOOL COURSE DESCRIPTIONS

ART

STUDIO IN ART

FULL YEAR **1 CREDIT**

Studio in Art is the only Peru art course which meets the fine arts graduation requirement.

Through Studio in Art you will learn the basic techniques that will advance your art skills. You will learn to create art through drawing, painting, printmaking, sculpture and mixed media. Advanced courses (Drawing and Painting I and II, Art Journaling, Ceramics I and II) can only be taken after a student fulfills their NYS Fine Arts course requirement. This class is for all levels of learners and focuses on exploring art mediums, skills and techniques.

SCULPTURE AND CERAMICS I

FULL YEAR **1 CREDIT**

Prerequisites: Studio in Art

Sculpture and Ceramics offers you the opportunity to explore the world of 3-D art. We will use many different mediums including wire, fiber, paper, plaster, clay , and mixed media. You will also learn how to use clay in a variety of ways including pinch, slab, and coil building, and an intro to throwing on the wheel. This class emphasizes technique, artistic expression, and problem-solving as students bring their ideas to life. Whether you're a beginner or experienced artist, this course will provide a supportive environment to develop your artistic voice and build a strong foundation in 3D art.

SCULPTURE AND CERAMICS II

FULL YEAR **1 CREDIT**

Prerequisite: Sculpture and Ceramics I

Sculpture and Ceramics II students will explore more complex methods such as wheel-throwing, hand-building, casting, and mixed-media sculpture. Emphasis will be placed on refining craftsmanship, and developing a personal artistic style. Through guided projects and independent exploration, students will create sophisticated works that reflect their unique vision. Prerequisite: Sculpture and Ceramics 1 or instructor approval.

STUDIO IN DRAWING AND PAINTING I

FULL YEAR **1 CREDIT**

Prerequisites: Studio in Art

Explore drawing and painting at an advanced level. If you REALLY want to learn how to draw, this is the course. You will learn how to draw with confidence, paint landscapes and create portraits that actually look realistic. You will explore charcoal, colored pencils, acrylic and watercolor paints as well as other media.

STUDIO IN DRAWING & PAINTING II

FULL YEAR **1 CREDIT**

Prerequisite: Studio in Drawing and Painting I

Join an advanced level class for the student art majors and is intended to either prepare for a College entry portfolio and/or prepare for the Advanced Placement Studio Art Course. You will strengthen your drawing skills, develop a concentration (series of work) around a common theme, and keep a sketchbook.

AP ART I - ADVANCED PLACEMENT ART STUDIO

FULL YEAR **1 CREDIT**

Prerequisite: Two elective art classes, portfolio evaluation, recommendation by art staff.

Advanced Placement Program in Studio Art PART I is for highly motivated art students to perform at the college level. You are expected to work AT LEAST 80 minutes a day on artwork. This is not the class for the casual art student who is not willing to work outside of class time. Students may take AP PART II in their senior year and submit a portfolio for college credit. See Mr. Wilson for details. Students are expected to furnish some supplies.

AP ART II - ADVANCED PLACEMENT ART STUDIO

FULL YEAR **1 CREDIT**

Prerequisite: Advanced Placement in Studio Part I

Advanced Placement in Studio Art enables highly motivated art students to perform at the college level. You will create a body of work consisting of 12 works on the same theme. Students may take AP exam at the end of the year. Students MUST be capable of working independently and to work at least 80 minutes a day on artwork.

ART JOURNALING

ONE SEMESTER **.5 CREDIT**

Prerequisite: Studio Art

Journaling through art allows students to use their creativity and imagination to enhance their critical thinking through the exploration of multiple mediums. It strengthens their cognitive skills by allowing them to focus on their surroundings, situations, and possibilities. Art Journaling becomes a record of what you do, see, and feel. We will explore the observable world as well as the invisible one made of emotions and dreams. We will use art as a tool to help us learn to be in the present moment as well as to plan out our dreams for the future.

BUSINESS & MARKETING EDUCATION

"Business and marketing education is a program of study whose purpose is to provide students with the skills, attitudes, and competencies to be successful in post-secondary study, the workforce, and as adult consumers. Students learn the knowledge and skills in accounting, communications, digital literacy, entrepreneurship, finance, management, marketing, and professional skills necessary for all career areas. A comprehensive business and marketing education program as part of academic study will prepare a student for lifelong success." (New York State Education Department). Achievement Gold Stole students must successfully pass 4 courses, including one CAP course.

BUSINESS COMMUNICATIONS

ONE SEMESTER **.5 CREDIT**

During the first half of the course students will be introduced to the touch method of keyboarding, involving the alphabetic, punctuation, numbers, and symbol keys, with emphasis on accuracy. More experienced keyboarding students will be encouraged to exhibit accuracy but the emphasis will be on typing speed. The second half of the course addresses soft skills such as listening, speaking, nonverbal communication skills and attention to detail. Knowledge and skills with business communications documents are developed and include business letters, memos and other business related documents. (9th-12th grade)

SCHOOL-BASED ENTERPRISE

FULL YEAR **1 CREDIT**

Prerequisite: Working Permit. In this course students will be running the school store, including product development, ordering, stocking, cleaning, pricing, promotions, etc. Students are responsible for operations and profitability of the store while applying concepts mastered in the Win Career Readiness System. Main topics covered include policies/procedures, soft skills, cash register operations, inventory controls, maintaining records, sales tax, advertising, security, displaying and obtaining the National Workforce Readiness Credential. Other course credentials include the Soft Skills Courseware & Academic Skills Courseware. Excellent resume upon existing this full year class. (9th-12th grade)

SPORTS & ENTERTAINMENT MARKETING

ONE SEMESTER **.5 CREDIT**

This course is an introduction to the world of sports and entertainment marketing. Topics covered include marketing basics, target markets, business ethics, trends, diversity, research process, channels of distribution, and financial analysis. The students in this course will operate the school store located on campus providing a "hands-on" application experience. Learning to develop a product for The Lodge using the 4 P's (Product, Price, Promotion, & Placement) is the final project. (9th-12th grade-Fall Semester Only)

BUSINESS MANAGEMENT

ONE SEMESTER **.5 CREDIT**

This course will look at all the various skills needed for the successful operation of a small business. Topics covered include entrepreneurship, human resources, workplace skills, laws, labor unions, contracts, marketing strategies, sales process, promotions, advertising, social media marketing, and economics. The students in this course will operate the school store located on campus providing a "hands-on" application experience. Learning to create and write a Business Plan is the final project. (9th-12th grade-Spring Semester Only)

CAREER & FINANCIAL MANAGEMENT

ONE SEMESTER **.5 CREDIT**

This course emphasizes career preparation and exploration using the WIN Learning which helps school districts ensure all learners have the skills to be successful in their path to career readiness. Soft Skills-communicating effectively, conveying professionalism. team work, and problem solving are emphasized. In addition, students will create a portfolio which includes a cover letter, a resume, credentials earned, etc. Some aspects of financial literacy are addressed throughout this course as students learn how to develop personal budgets, handle personal banking, manage credit wisely, fill out simple tax forms and prevent identity theft. The National Workforce Readiness Credential from the WIN Learning in the final exam for this course and will be a credential on the student's record. (9th-12th grade)

INVESTING 101

ONE SEMESTER **.5 CREDIT**

Prerequisite: Career & Financial Management.

This course emphasizes learning about the stock market using The Stock Market Game. The Stock Market Game is an online simulation of the global capital markets that engages students in the world of economics, investing and personal finance and that has prepared nearly 20 million students for financially independent futures. Students will gain knowledge in the world of stocks, bonds, mutual funds, and Cryptocurrency. Financial literacy is stressed throughout this course as students learn how to manage risk, handle the changing economy, the elements of behavioral economics, and how to invest for retirement. (11th-12th grade)

ENGLISH LANGUAGE ARTS

All English Courses will address the necessary skills needed to demonstrate proficiency in The New York State Common Core Standards for that particular grade level. These standards state that all students will read closely to interpret and analyze literary and informational texts, write clearly and coherently informative, narrative, and argumentative pieces using specific evidence, speak and listen effectively and collaboratively in a variety of settings, demonstrate research skills, and demonstrate command of the conventions of Standard English.

ENGLISH 9R

ONE YEAR **1 CREDIT**

This course is designed to promote critical thinking and literacy skills through the use of both literary and non-fiction texts. Students will study a variety of genres to improve close reading skills, vocabulary acquisition, paragraph and essay development, and the presentation of ideas in both oral and written

formats. Preparation for the ELA exam begins in this course. Highly advanced and ambitious will have the opportunity to participate in the Honors Challenge which will create and provide enrichment and give students equitable learning opportunities.

ENGLISH 9 FOCUSED ANALYSIS

ONE YEAR **1 CREDIT**

This course is designed to promote critical thinking and literacy skills through the use of both literary and non-fiction texts. Highly motivated students will receive advanced instruction in close reading, vocabulary acquisition, paragraph and essay development, and the presentation of knowledge and ideas in both oral and written formats. Rigorous course material, assignments, and learning experiences are designed to help students succeed in the high school honors program. Preparation for the ELA exam begins in this course.

ENGLISH 10R

ONE YEAR **1 CREDIT**

Students engage and analyze various genres of literature as well as informational texts. Reading, writing, speaking, and research skills that are associated with State and local assessments are practiced and emphasized throughout the year. Units are designed to meet the Common Core Standards and to prepare students for College and Career Readiness. All Grade 10 ELA students take the same summative assessment.

ENGLISH 10 FOCUSED ANALYSIS

ONE YEAR **1 CREDIT**

This course is designed for highly motivated, academically responsible students. It includes an in depth study of major literary forms with an emphasis on the improvement of critical reading, thinking, and writing in preparation for mandated State and local assessments, as well as research skills. Each student is expected to do extensive outside reading and several oral presentations. All Grade 10 ELA students will take the same summative assessment.

ENGLISH 11R

ONE YEAR **1 CREDIT**

This course places major emphasis on the analysis of works from American literature and on reading and writing skills necessary to succeed on the January ELA exam. In the second semester, students explore a variety of writing tasks to help them prepare to become college and career ready. A research project and oral presentation are required. All Grade 11 ELA students will take the same summative assessment in June.

AP ENGLISH LITERATURE & COMPOSITION

FULL YEAR **1 CREDIT**

Advanced Placement Literature and Composition engages students in becoming skilled readers of prose and poetry written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Students analyze the way genre conventions and the resources of language contribute to effectiveness in writing. The students read a variety of genres deliberately and thoroughly, taking the time to understand a work's richness of meaning. Students who take this course are typically enrolled in Honors coursework that prepares students to participate in sophisticated analysis during their junior year. Students take the State assessment and the Advanced Placement Literature and Composition exam in May. A summer project is typically assigned. *The course syllabus is currently approved by the AP College Board.

ENGLISH 12 NON-FICTION, LITERATURE & COMPOSITION

FULL YEAR **1 CREDIT**

This is a whole-year course that is designed to help students acquire the skills they will need for the college and career pathway. Students will read literature that focuses on diverse perspectives and contemporary issues from many genres. They will learn to produce essays that are clear, concise, and unified. The writing process is emphasized. Such essays will include the narrative essay, the comparison and contrast essay, as well as other smaller written assignments.

ENGLISH 12 LITERATURE & COMPOSITION

FULL YEAR **1 CREDIT**

This is a half-year course that will explore diverse literature and the multiple perspectives represented in various genres of literature. Each unit will have writing and projects. Essays will be focused on writing to inform and essays of comparison and contrast. Creative projects and writing will also be embedded in the curriculum.

PROCESS FOR PLACEMENT IN HONORS ENGLISH & SOCIAL STUDIES

Data Points

- NWEA Data in reading (according to District directive)
- CLASS AVERAGE - 90% OR BETTER without test corrections
- PROGRESS ON INTERIM ASSESSMENTS - SHOWS IMPROVEMENT
- CLASS ASSESSMENTS PARALLEL TO COMMON CORE - 90% or better

Teacher Recommendation

- ATTENDANCE - regular and on-time
- PARTICIPATION - Engages in high level critical discussion
- EFFORT - shows best effort consistently

High School Principal Approval

- FINAL DETERMINING FACTOR FOR PLACEMENT

HEALTH

HEALTH (GRADES 10-12)

ONE SEMESTER **.5 CREDIT**

This course offers a comprehensive look at today's most critical health issues while providing students with the knowledge and skills necessary to make positive health related choices now and in the future. Eight interrelated areas of health (physical, mental, emotional, social, environmental, financial, spiritual and occupational) will be prominent throughout all of our topics. Some of our topics include basic first aid (CPR, Abdominal thrusts and AED awareness), mental health, sexual health, healthy relationships, diseases and harm reduction. Students will also develop a better understanding of how to advocate for their own health and safety.

This class is needed to meet graduation requirements.
Class participation is critical to enhance student learning. Small presentations and a final exam are required.

LANGUAGES OTHER THAN ENGLISH

French or Spanish

Students who study any of our World Languages (currently offering Spanish or French) will work towards the following goals: development of a positive attitude concerning language learning; development of proficient communication in the target language; development of a broader understanding of their own language and language in general; awareness of and sensitivity to cultural values other than our own. These objectives are aligned with the New York State Learning Standards. Foreign language is one of the five core content areas.

Level One

TWO FULL YEARS (GRADES 7 & 8)

1 CREDIT

**One high school credit is earned by passing the NYS Proficiency Examination. Students may then advance to Level Two. **

Students practice all four modalities of communication: listening, speaking, reading, and writing. Listening and speaking are given special emphasis. An important aim is to engage in realistic conversation in the target language. Culture, geography and history of other countries are embedded in the coursework. Appreciation of cultural diversity is fostered.

OR

ONE FULL YEAR- SPANISH ONLY (ANY STUDENT, GRADES 9-12)

1 CREDIT

This course is designed to award students their mandatory high school credit of foreign language and/or to advance to level two Spanish. While the content in the high school Level One Spanish remains the same as the middle school level, the pace is quicker, as students have just one year to learn material that is typically taught over the course of two years in middle school. *Instead of the Proficiency Exam

taken upon completion of eighth grade Spanish, students will take a final exam that contributes to a percentage of their final average in the class.

**Offered at the discretion of the school district.*

LEVEL TWO

FULL YEAR **1 CREDIT**

Prerequisite: Level One

The basic objective is increased proficiency in listening, speaking, reading, writing, and heightened cultural awareness. Greater emphasis is placed on reading and writing than is the case at Level One. Initial review of material learned at Level One is followed by presentation of more complex features of the target language.

LEVEL THREE

FULL YEAR **1 CREDIT**

Prerequisite: Level Two

Students must successfully complete Level Two prior to beginning Level Three. Levels Two and Three cannot be taken for two credits concurrently in one school year. Students may not attempt the Locally Developed Checkpoint B Exam until completion of both Levels Two and Three. Students extend their ability in the four language skill areas: listening, speaking, reading and writing. A complete review of previously learned grammar is followed by more advanced grammar concepts. Great emphasis is placed on learning, retaining and employing useful vocabulary. Frequent use is made of history, culture, daily life and current events in the target language countries. The Locally Developed Checkpoint B Exam is given at the end of this course. This course, as well as passing the Checkpoint B Exam, is required to receive the Advanced Regents Diploma.

LEVEL FOUR

FULL YEAR **1 CREDIT**

Prerequisite: Level Three

Primary focus: conversation, in-class projects, and writing in the target language, often based on art, history, literature, film or current events in the target language cultures. Students at this level must be responsible young adults willing to work at building cultural awareness and language skill.

LEVEL FIVE

FULL YEAR **1 CREDIT**

Prerequisite: Level Four

Students must aim to reach mastery of advanced conversation and composition. A variety of literature, film, music and current events provide rich resources for students to explore the effect of other languages and cultures on contemporary American life and thought. Mature effort and critical thinking are necessary to be successful in this course. One aim of this course is to enable students to earn college credit for their language experience in high school. If a student chooses to enroll in Clinton Community College's CAP Program, they may earn up to 6 college credits.

MATHEMATICS

MATH 6

Sixth grade mathematics is about (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking.

MATH 7

Seventh grade mathematics is about (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

MATH 7 ACC

Designed for students in Grade 7 who are advanced skill level in mathematics. This course uses the Math 8 curriculum and supplements with Math 7 where necessary. Grade 8 mathematics is about (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

MATH 8

Eighth grade mathematics is about (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

ALGEBRA 8 - NGLS

FULL YEAR **1 CREDIT**

This is a one credit, full year course, and is intended for Grade 8 students who have shown mastery in understanding mathematical concepts from previous math courses. Generally, these students would have successfully completed Grade 7 Math Accelerated. Students will sit for the Algebra I Next Generation Regents exam at the end of this course. The fundamental purpose of the course in Algebra is to formalize and extend students' algebraic experiences from the middle grades. Students will deepen and extend their understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will engage in methods for analyzing, solving, and using quadratic functions. The students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

ALGEBRA IA - NGLS

FULL YEAR **1 CREDIT**

This course is for one credit and is intended for students who are entering 9th grade. This is the first year of a two year program to study the Algebra I curriculum, with a goal of having successful completion of the Next Generation Algebra I Regents exam after year two. Algebra IA leads into a second course, Algebra IB, in the following academic school year. Students will not sit for a Regents exam at the conclusion of Algebra IA. In Algebra I, students analyze and explain precisely the process of solving an equation. Students, through reasoning, develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities and make conjectures about the form that a linear equation might take in a solution to a problem. They reason abstractly and quantitatively by choosing and interpreting units in the context of creating equations in two variables to represent relationships between quantities. They master the solution of linear equations and apply related solution techniques and the properties of exponents to the creation and solution of simple exponential equations.

ALGEBRA IB - NGLS

FULL YEAR **1 CREDIT**

This course is for one credit and is intended for students who have completed Algebra IA. This is the second year of a two year program to study the Algebra I curriculum, with a goal of having successful completion of the Next Generation Algebra I Regents exam at the conclusion of the academic year. Students will sit for the Algebra I Next Generation Regents exam at the end of this course. In Algebra I, students analyze and explain precisely the process of solving an equation. Students, through reasoning, develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities and make conjectures about the form that a linear equation might take in a solution to a problem. They reason abstractly and quantitatively by choosing and interpreting units in the context of creating equations in two variables to represent relationships between quantities. They master the solution of linear equations and apply related solution techniques and the properties of exponents to the creation and solution of simple exponential equations.

ALGEBRA I - NGLS

FULL YEAR **1 CREDIT**

This is a one credit, full year course that is intended to prepare students entering 9th grade for the Algebra I Next Generation Regents Examination. Students will sit for the Algebra I Next Generation Regents exam at the end of this course. In Algebra I, students analyze and explain precisely the process of solving an equation. Students, through reasoning, develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities and make conjectures about the form that a linear equation might take in a solution to a problem. They reason abstractly and quantitatively by choosing and interpreting units in the context of creating equations in two variables to represent relationships between quantities. They master the solution of linear equations and apply related solution techniques and the properties of exponents to the creation and solution of simple exponential equations.

APPLIED GEOMETRY

FULL YEAR **1 CREDIT**

This is a one credit, full year, non-regents course offered to students who have successfully completed Algebra I or Algebra IA/IB. The course will include multiple hands-on activities within the classroom setting. Students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotation, reflections, translations, and glide reflections, as well as coordinate geometry will be used to establish and verify geometric relationships.

GEOMETRY - NGLS

FULL YEAR **1 CREDIT**

This is a one credit, full year course offered for students who have successfully completed Algebra ACC, Algebra I, or Algebra IA/IB and Algebra I Next Generation Regents Examination. Students will sit for the Next Generation Regents exam at the end of this course. This course is meant to employ an integrated approach to the study of geometry. Students will justify geometric relationships and properties of geometric figures. Congruence and similarity of triangles will be established using appropriate theorems. Transformations including rotation, reflections, translations, and glide reflections, as well as coordinate geometry will be used to establish and verify geometric relationships. A major emphasis of this course is to allow students to investigate geometric situations. Properties of triangle, quadrilaterals, and circles will receive particular attention. Geometry is meant to lead students to an understanding that reasoning and proof are fundamental aspects of mathematics and something that sets it apart from the other sciences.

INTERMEDIATE ALGEBRA II

FULL YEAR **1 CREDIT**

This is a one credit, full year, non-regents course intended for students who have successfully completed Algebra I or Algebra IA/IB with successful completion of the Algebra Next Generation Examination and who have successfully completed Geometry or Applied Geometry. While developing the algebraic techniques that will be required of those students that continue their study of mathematics, this course is also intended to introduce the skill of developing alternative solution strategies and algorithms.

ALGEBRA II - NGLS

FULL YEAR **1 CREDIT**

This is a one credit, full year course intended for students who have successfully completed Algebra I with successful completion of the Algebra Next Generation Examination and who have successfully completed Geometry with successful completion of the Geometry Next Generation Regents Examination. Algebra II is the capstone course of the three units of credit required for an Advanced Regents diploma. Students will sit for the Algebra II Regents exam (Common Core Standards June 2024 / Next Gen Standards June 2025 and forward) at the end of this course. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

AP PRE-CALCULUS 11 HONORS

FULL YEAR **1 CREDIT**

Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II with successful completion of each respective Common Core Regents Examination.

Recommended: Approval of Previous Math Instructor

This one credit, full year course is designed to prepare students for calculus and technical courses. Course topics include an introduction to relations and functions and an in-depth study of polynomial, rational, exponential, logarithmic, and trigonometric functions. Students will also study topics in analytic

trigonometry including trigonometric identities and equations. The use of the graphing calculator is required for this course to further the exploration of these functions, related models and their applications. If students choose the CAP option, students earn 4 college credits for Math 204 College Algebra II and Trigonometry. Students who want the CAP option must meet the criteria set forth by Clinton Community College. This course also allows students the option to take the AP Precalculus Exam.

FOUNDATIONS OF COLLEGE ALGEBRA

FULL YEAR **1 CREDIT**

Prerequisite: Successful completion of Algebra I and Geometry (including Algebra IA/IB and/or Applied Geometry).

This is a one credit, full year course. A mastery-based developmental mathematics course designed to prepare students to succeed in a college-level mathematics course; covers beginning algebra concepts and skill development in a supportive but structured setting; includes help with math study skills and reducing math anxiety. (Taken from Clinton Community College description of this course). This course covers basic algebraic skills essential to the study of mathematics. Course topics include linear expressions, equations and inequalities; systems of equations and inequalities; polynomial, rational and radical expressions and equations; and graphing on the coordinate plane. Applications to various fields of study will be explored. This course follows the curriculum set forth by Clinton Community College for MAT 100 Introductory Algebra.

INTRODUCTION TO COMPUTER SCIENCE

ONE SEMESTER **.5 CREDIT**

Prerequisite: No prior knowledge or experience is necessary for this course.

This is a half credit, one semester course, with an optional second semester for another half credit, and is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This semester course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses. Students will use and become familiar with the PYTHON program.

MUSIC & PERFORMING ARTS

The grades 9-12 music program at Peru Jr./Sr. High School offers performance classes that meet New York State (NYS) and National music/art education standards such as cross-curricular connections and listening, composing, and performing experiences. The performance courses help each student develop the ability to appreciate, understand, create, perform, and criticize (with discrimination) music of all styles and periods. One year of participation in any of the starred (*) courses that satisfy the NYS Fine Arts requirement. Music Theory, Comprehensive Foundations of Music, Music in Our Lives, and other “General Music” classes are no longer offered at Peru.

Instrumental Performance Groups

CONCERT BAND

FULL YEAR **1 CREDIT**

Prerequisite: Evidence of basic musical knowledge, a record of participation in band program, and/or recommendation of the music teacher.

Concert Band is open to all students in grades 9-12 who can meet the basic performance level requirements established for this band. Membership is based upon the decision of the director. Members receive lessons on a rotating period basis in addition to regular rehearsals. Membership in this band provides the basis for selection to various ensembles including Jazz Band, Pep Band, Marching Band, and potential chamber groups. Members may be asked to participate in after-school sectional rehearsals. One-year participation satisfies the one unit of fine arts credit required for graduation.

STRING ORCHESTRA

FULL YEAR **1 CREDIT**

Prerequisite: Evidence of basic musical knowledge, a record of participation in the string program, and/or recommendation of the music teacher.

String Orchestra is available to all students who have experience playing an orchestral string instrument. Students will work together to learn and perform high level repertoire, gaining musical and interpersonal skills along the way. This course gives students the opportunity to develop a love for music and form meaningful relationships with their peers. In addition to meeting daily for class, students will be expected to attend lessons for continued personal growth on their instrument. One-year participation satisfies the one unit of fine arts credit required for graduation.

JAZZ BAND

FULL YEAR **1 CREDIT**

Prerequisite: Evidence of basic musical knowledge and/or recommendation of the music teacher.

Jazz Band is a select group of musicians chosen by an audition and/or Director recommendation. The Jazz Band rehearses and performs all styles of Big Band and popular music. This group meets outside the regular school day.

Vocal Performance Groups

CONCERT CHOIR

FULL YEAR **1 CREDIT**

Concert Choir is open to all students with a serious desire to excel in a large group vocal music experience. Members have the opportunity to receive lessons on a rotating period basis in addition to regular rehearsals. Evening concert attendance is mandatory and graded. Participation in Choir is preferred for students wishing to participate in Select Ensembles.

SELECT CHORUS

FULL YEAR **.5 CREDIT**

A select vocal performance opportunity is available to students in the Concert Choir. It is designed to develop abilities in small ensemble performances. This group meets outside the regular school day.

Theatre Performance Class

INTRODUCTION TO MUSICAL THEATRE

FULL YEAR (EVERY OTHER DAY) **.5 CREDIT**

Students in Intro to Musical Theatre will gain an understanding of modern theatre, its history and its practices. Students will study the history of the Broadway musical, get an overview of acting and performance skills, study the behind-the-scenes working of the theatre space, and more. Various units studied include: improv, acting space, emotion, light design and focus, sound system design and operation, scenic design and building, and stage management

PHYSICAL EDUCATION

PHYSICAL EDUCATION

FULL YEAR **.5 CREDIT**

All physical education classes are designed to provide a variety of opportunities for students to achieve a moderate to vigorous level of physical activity as well as the knowledge needed to maintain an active lifestyle after high school. Each class is designed to meet all of the state and national standards for physical education. New York education regulation requires that all students, regardless of handicapping condition(s), will be provided with a program in physical education. This includes those students with temporary medical excuses. Alternative assignments and activities are available to accommodate each student to their needs. Each course is designed to allow students of differing ability levels to thrive. All students must be scheduled for physical education on a (6) day schedule, every other day.

Departmental Objectives:

- To provide the student body with an opportunity to improve their fitness levels through participation in a variety of physical activities.
- To provide students with the knowledge to develop workout plans using personal SMART Goals to increase success.
- To introduce students to life time sports and recreational activities.
- To allow the students an opportunity to develop skill levels in a variety of sports and games.
- To promote positive attitudes and a lifetime commitment to the value of maintaining a physically fit body.
- To participate in physical activities in a safe and challenging environment.

Activities:
Badminton-table tennis, basketball, cardiovascular fitness, weight training, personal fitness, tchoukball, team handball, jogging, soccer, flag football, track & field, volleyball, ultimate frisbee, disc golf, zumba, modern dance activities, square dancing, project adventure, cooperative games, team building, and outdoor education etc.

SCIENCE

EARTH & SPACE SCIENCE

FULL YEAR **1 CREDIT**

(9th Grade Accelerated Regents & 10th Grade Regents) given in the Freshman or Sophomore year of High School at Peru. New York State's Earth and Space Science curriculum is based on the New York State Science Learning Standards. The course covers a wide range of topics, including:

- Earth's composition: The structure, processes, and history of the Earth
- Earth's environment: The atmosphere, oceans, and freshwater of the Earth
- Earth's place in space: The Earth's position in the universe and its environment in space
- Scientific processes: Scientific methods and processes
- Human interactions: How humans interact with the Earth's systems and resources
- Major cycles: The cycles that affect life, such as weather, climate, air movement, and plate tectonics
- Sustainability: The sustainability of the Earth's environment
- Energy resources: The Earth's energy resources

Throughout the course, students will engage in hands-on laboratory activities and investigations to help them develop scientific inquiry and data analysis skills. They will also make connections between the Earth and Space Science concepts they are learning and real-world applications. The curriculum includes opportunities for students to engage in crosscutting concepts, such as patterns, cause and effect, and systems and system models, and Science and Engineering practices, such as planning and carrying out investigations, analyzing and interpreting data, developing and using models, and engaging in argument from evidence. The course ends with a Regents Exam. Students complete laboratory explorations and three mandatory NYS Investigations that allow them to meet the NYS requirements which must be met to sit for the Physical Setting / Earth Science & Space Regents Exam.

LIFE SCIENCE: BIOLOGY (Honors & Regents)

FULL YEAR **1 CREDIT**

Living Environment (Honors, Regents, & Essentials of LE) is a NYS-mandated science course given in the Freshman year of High School at Peru. This course provides students with a complete survey of the biological world and its related life processes. Students have the opportunity to explore topics such as cell biology, genetics, evolution, taxonomy, ecology, and human anatomy and physiology. Students also partake in hands-on laboratory experiments that allow them to experience the practical application of the content while meeting the NYS requirements for lab time in the course which must be met to sit for the Living Environment Regents Exam. This course is the Prerequisite for Regents Earth Science. The Honors-level of the course exposes students to additional content, enrichment activities, and alternative lab experiences beyond the Regents curriculum and is designed for highly-motivated students that have met certain criteria in their previous science course (see criteria at the end of the Science section).

CHEMISTRY (Honors & Regents)

FULL YEAR **1 CREDIT**

Prerequisite: Algebra R
Recommended: Geometry R

Chemistry involves the study of matter and the changes that matter undergoes. Suitable for students interested in science, that may or may not be interested in a career in science. Emphasis is placed on the application of chemical principles as opposed to sheer memorization. Whenever possible, concepts are studied from a quantitative perspective. Units covered during the year include: matter and energy, atomic structure, bonding, periodic table, mathematics, kinetics and equilibrium, acids and bases, redox and electrochemistry, organic chemistry, application of chemical principles, and nuclear. Yearly course includes a daily recitation and a laboratory every other day. The Honors-level of the course exposes students to additional content, enrichment activities, and alternative lab experiences beyond the Regents curriculum and is designed for highly-motivated students that have met certain criteria in their previous science course (see criteria at the end of the Science section). The course concludes with the Regents exam at the end of the year.

APPLIED CHEMISTRY — FULL YEAR — 1 CREDIT

Recommended: Algebra R

General Chemistry involves the study of matter and the changes that matter undergoes. Areas emphasized in the course are atomic structure, matter and energy, behavior of gases, chemical bonding, the periodic table, mathematics of chemistry, kinetics and equilibria, acid-base theory,chemical reactions, nuclear chemistry, and biochemistry. The application of chemical principles is a key component of the course. A yearly course where laboratory activities are incorporated into the daily class schedule.

FORENSIC SCIENCE — ONE SEMESTER — .5 CREDIT

Forensic science is the application of science to law. In our ever-changing society it is becoming more important for the rules of law to govern its members. Forensic science applies the knowledge and technology of science to assist in the enforcement of such laws. Topics of discussion may include: history of forensic science, the crime lab, crime scene, physical evidence, drugs, firearms, internet, hand-writing and voice examination.

HOUSEHOLD CHEMISTRY — ONE SEMESTER — .5 CREDIT

An introduction to properties of chemical substances found in the home. Concrete examples of everyday household materials are used to formulate the theoretical framework used in modern chemistry. The nature and reactivity of materials will be emphasized using real life applications and hands-on experimentation to explore topics. Students study the material through discussion,simulations, group activities, and laboratory experiences.

ENVIRONMENTAL SCIENCE I — 1ST SEMESTER — .5 CREDIT
ENVIRONMENTAL SCIENCE II — 2ND SEMESTER — .5 CREDIT

Environmental Science will consist of 2 separate 1⁄2 year courses comprising related, but distinct topics of study. Students will be tasked with finding ways that they can personally contribute to the improvement of the environment. Students who wish may take both semesters without duplication or repetition. In the first semester topics to be covered include: global perspective, ecosystems, biodiversity, interdependence, biomes, water resources, and air. The second course will continue with the following topics of study: atmosphere and climate, land use, agriculture and food, energy, waste, population, and sustainability. Both semesters are taught through project-based learning (both independently and small group collaboration with peers), and independent research.

GENERAL PHYSICS — FULL YEAR — 1 CREDIT

Prerequisite: Algebra II/Trigonometry

Designed to present concepts and applications of the following topics: mechanics, dynamics, energy, electricity, magnetism, wave phenomena (sound, light). Algebra, trigonometry, and graphing are essential for this course. Students will discover how Physics plays an everyday role in their lives by performing lab investigations, group projects and collaborating with their peers. Students will also have an opportunity to investigate Physics through enrichment competitions.

COLLEGE PHYSICS PART I

FULL YEAR **1 CREDIT**
4 CREDITS CCC

Prerequisite: Algebra II/Trigonometry R (must pass regents exam) and Teacher Recommendation
College Tuition Cost: Approximately $200 (Subject to change)

This is the first of a two-semester sequence designed to present concepts and applications of the following topics: kinematics, dynamics, gravitation, energy, momentum, and heat. Advanced algebra, trigonometry, and graphing skills are essential for this course. Lab periods will be held on alternate days. Students will discover how Physics plays an everyday role in their lives by performing lab investigations, group projects and collaborating with their peers. Students will also have an opportunity to investigate Physics through enrichment competitions.

COLLEGE PHYSICS PART II

2ND SEMESTER **4 CREDITS CCC**

Prerequisite: Physics 111
College Tuition Cost: Approximately $200 (Subject to change)

This is a continuation of the college physics course offered through Clinton Community College. Topics covered will include sound, optics, electricity, magnetism, and modern physics. Advanced algebra, trigonometry, and graphing skills are essential for this course. Lab periods will be held on alternate days.

AP BIOLOGY

FULL YEAR **1 CREDIT**

Prerequisite - Regents/Honors/CAP Biology, Earth Science, Chemistry, and Physics

Peru CSD's AP Biology course is designed to be taken by senior-level students that have successfully completed all four core Honors/Regents science courses, ensuring students have a solid scientific and mathematical foundation on which to be successful. Alternatively, a student could also concurrently take AP Biology and CAP/Regents Physics during their senior year. AP Biology allows students to experience a college-level introductory biology course and possibly earn college credit based on their performance on the College Board's AP Biology Exam, an international exam designed to be equivalent to a college-level Biology summative final exam. Students in the course explore content and experience hands-on lab experiments dealing with topics such as cell biology, molecular biology, genetics, evolution, and ecology. This course differs significantly from other high school Regents science courses with respect to the advanced level of college textbook used, depth of the content and assignments, focus on inquiry-based lab work with applied statistics, and time and effort required of students. AP Biology aims to provide students with the conceptual framework, knowledge base, analytical skills, and work ethic necessary to succeed in collegiate science courses and deal critically with the rapidly changing scientific world.

PROCESS FOR PLACEMENT IN ACCELERATED SCIENCE 8,9,10,11,12

Data Points

- Class average of 90% or greater in the preceding Science class
- Regents score of 85 or greater for the preceding Science course
- Science Teacher Recommendation from the preceding Science class

Teacher Recommendation

- ATTENDANCE - regular and on-time
- PARTICIPATION - positively contributing
- EFFORT - shows best effort consistently

High School Principal Approval

- FINAL DETERMINING FACTOR FOR PLACEMENT

SOCIAL STUDIES

At the end of the social studies course descriptions, please find the criteria students must meet for placement in AP and Honors level social studies classes.

GLOBAL HISTORY & GEOGRAPHY

FULL YEAR **1 CREDIT**

Grade 9 This class begins with the Paleolithic Era and the development of the first civilizations and moves into the classical societies. It also looks at the expansion of trade networks and their global impact. Lastly, this class emphasizes interactions over time, shifts in power, and the role of belief systems.

Grade 10 begins circa 1750 with the Enlightenment and continues up to the present. Several concepts that are covered include Revolutions, Industrialization, Nationalism, Imperialism, Conflicts, Technologies, Genocides, and the Interconnectedness of the world through Globalization. The culmination of this course will be the Global History & Geography Regents Exam.

AP EUROPEAN HISTORY

FULL YEAR **1 CREDIT**

AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

UNITED STATES HISTORY & GOVERNMENT

FULL YEAR **1 CREDIT**

Grade eleven social studies focuses on the Constitution and a chronological overview of United States history from the colonial era to the present day. Special emphasis is placed on U.S. governmental actions and Supreme Court decisions that have impacted American society along with a historical analysis of both domestic and foreign policies. United States History and Government culminates in a state mandated Regents Exam.

AP UNITED STATES

FULL YEAR **1 CREDIT**

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

PARTICIPATION IN GOVERNMENT

ONE SEMESTER **.5 CREDIT**

This course aims to provide students with opportunities to become engaged in the political process by acquiring the knowledge and practicing the skills necessary for active citizenship. Content specifications are not included, so that the course can adapt to present local, national, and global circumstances, allowing teachers to select flexibly from current events to illuminate key ideas and conceptual understandings. Participation in government and in our communities is fundamental to the success of American democracy. Areas of focus include: Foundations of American Democracy, Civil Rights and Civil Liberties, Rights, Responsibilities and Duties of Citizenship, Political Participation and Public Policy.

ECONOMICS

ONE SEMESTER **.5 CREDIT**

“Economics, the Enterprise System, and Finance” examines the principles of the United States free market economy in a global context. Students will examine their individual responsibility for managing their personal finances. Students will analyze the role of supply and demand in determining the prices individuals and businesses face in the product and factor markets, and the global nature of these markets. Students will explore the challenges facing the United States free market economy in a global environment and various policy-making opportunities available to the government to address these challenges. Areas of focus include: Individual Responsibility and the Economy, Individuals and Business in the Product and Factor Markets, and The Tools of Economic Policy in a Global Economy.

AP GOVERNMENT IN POLITICS/ ECONOMICS

FULL YEAR **1 CREDIT**

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. Economics is the basic level high school required class. The students will focus on basic vocabulary,demand, supply, prices (how demand and supply interact), business structures in our economy and complete a personal finance project. This economics class focuses more on Microeconomics not Macroeconomics.

PSYCHOLOGY

ONE SEMESTER **.5 CREDIT**

This course will challenge you and change the way you see the world. You will actively research and analyze selected topics, including the evolution of psychological theory, the study of the human brain, how our brains process sensation and perception, as well as examine the underlying causes, symptoms, and treatments of psychological disorders.

SOCIOLOGY

ONE SEMESTER **.5 CREDIT**

This course provides an opportunity for students to study groups of people and their interaction in society. Emphasis is focused on such areas as groups, socialization, collective behavior, family, social institutions and social change. This course also includes an examination of the development of the fields of sociology as a social science. Analysis includes a study of sociologists and their impact on the field. (11th & 12th Grades)

STREET LAW

ONE SEMESTER **.5 CREDIT**

The law impacts our lives every day. We will compare and contrast the Federal and the NYS court systems and examine the U.S. trial system by actively participating in Mock Trials. We will explore NYS criminal law and procedure, including the rights of a criminal defendant, search and seizure, and sentencing. Finally, we will analyze selected topics in NYS Family and Matrimonial law such as divorce, child custody and child support. (11th & 12th Grades)

PROCESS FOR PLACEMENT IN HONORS ENGLISH AND SOCIAL STUDIES

Data Points

- NWEA Data in reading (according to District directive)
- CLASS AVERAGE - 90% OR BETTER without test corrections
- PROGRESS ON INTERIM ASSESSMENTS - SHOWS IMPROVEMENT
- CLASS ASSESSMENTS PARALLEL TO COMMON CORE - 90% or better

Teacher Recommendation

- ATTENDANCE - regular and on-time
- PARTICIPATION - engages in high-level critical discussion
- EFFORT - shows best effort consistently

High School Principal Approval

- FINAL DETERMINING FACTOR FOR PLACEMENT

TECHNOLOGY

MST - MATH, SCIENCE & TECHNOLOGY — FULL YEAR — 1 CREDIT

Prerequisite: Junior or Senior Standing

MST is a project based course focusing on topics that intertwine STEM concepts of science, technology, engineering, and mathematics. Students will focus on creating projects and products related to the aerospace industry such as rocketry, jet-propelled sleds, and material processing! Students taking this course will be able to use it as a credit toward one of the following: a third Math or Science credit or as a Technology elective.

DESIGN & DRAWING FOR PRODUCTION — FULL YEAR — 1 CREDIT

Recommended Class for 9th or 10th graders interested in technology classes

Drawing for Design and Production (DDP), a comprehensive high school course tailored for students interested in, design, engineering, material processing. This course will teach you the principles of technical drawing and design but also dive into the practical aspects of turning those designs into tangible products.

Course Objectives:

- Master Technical Drawing Techniques: Learn to create precise, detailed drawings using both

traditional and digital methods.
• Understand Design Principles: Grasp the fundamentals of design thinking, including form, function, aesthetics, and usability.
• Develop Problem-Solving Skills: Engage in projects that require ideation, prototyping, and refinement based on real-world constraints and feedback.
• Utilize Modern Tools: Gain proficiency in CAD software and traditional drafting tools.
• Material Processing Skills: Understand and apply various material processing techniques to produce physical prototypes from your designs.
• Prepare for Future Careers: Build a portfolio that showcases your ability to design and manufacture.

POWER MECHANICS

ONE SEMESTER **.5 CREDIT**

Prerequisite: 10th -12th Grade

Power Mechanics is a half year course. Students will learn how to operate, disassemble and inspect, troubleshoot, and reassemble small gasoline engines and electric motors. Students will also take part in a large team project in which they will build a go-kart from scratch!

RESIDENTIAL STRUCTURES

ONE SEMESTER **.5 CREDIT**

Prerequisite: 10th -12th Grade

The course will go into the processes involved with building and maintaining a house. Students will learn everything from buying, planning, building, and maintaining a house. This is a project based course that will cover:
• Designing and planning a project
• Tools and processes of construction
• Hands-on practice
• Details and maintenance of a structure
• And a large capstone building project

WORLD OF TECHNOLOGY

FULL YEAR **1 CREDIT**

Prerequisite: Junior or Senior Standing

World of Technology is a project based course focusing on topics that intertwine STEM concepts of science, technology, engineering, and mathematics. Students will focus on creating hands-on projects and products related to our built world. Past themes included “F1 Racing”, “Mission to Mars”, and “Underwater Exploration.” Students taking this course will be able to use it as a credit toward one of the following: a third Math or Science credit or as a Technology elective.

ROBOTICS

ONE SEMESTER **.5 CREDIT**
Offered every other year

Prerequisite: 10th -12th Grade

In the course students will learn about robotics use within industry with hands-on practice coding and manipulating a robotic arm, students will also learn robotic mechanisms and build and code their own robot from scratch individually. A large team project will also be created, designing, wiring, coding, and constructing a large scale working robot!

WOOD MANUFACTURING

ONE SEMESTER **.5 CREDIT Offered every other year**

Prerequisite: 10th -12th Grade

This course is designed for students eager to learn the art and science of working with wood, from basic joinery to complex projects, all while fostering a respect for materials and safety. Whether you're interested in furniture making, cabinetry, or just looking to understand the basics of construction, this class will equip you with practical skills and an appreciation for handcrafted work.

Course Objectives:
- Woodworking Fundamentals: Understand wood types, their properties, and how to select the right wood for different projects.
- Master Woodworking Techniques: Gain hands-on experience with sawing, planing, sanding, and joining wood.
- Develop Design Skills: Apply design principles to create functional and aesthetically pleasing items.
- Ensure Safety: Acquire knowledge of shop safety, tool maintenance, and safe woodworking practices.
- Project Completion: From simple to more complex projects, build items that can be used, displayed, or gifted.

METAL MANUFACTURING

ONE SEMESTER **.5 CREDIT Offered every other year**

Prerequisite: 10th -12th Grade

This course is crafted for those who are curious about the transformation of raw metal into functional and artistic forms. From learning the basics of metal properties to mastering techniques like welding and machining, you'll gain invaluable skills in a hands-on, safe environment. Whether you're interested in automotive repair, sculpture, or engineering, this class lays the groundwork for a variety of future endeavors.

Course Objectives:
- Understand Metal Properties: Learn about different metals, their characteristics, and appropriate applications.
- Master Metalworking Techniques: Develop skills in cutting, bending, welding, and finishing metals.
- Design and Create: Apply design principles to fabricate items from simple to complex projects.
- Safety and Tool Proficiency: Gain thorough knowledge of safety protocols and proficient use of metalworking tools.
- Project Completion: From basic constructions to more intricate pieces, complete projects that showcase your skills.

ADVANCED TECHNOLOGY

FULL YEAR **.5 CREDIT Offered every other year**

Prerequisite: 1 previous technology class

This class is designed for students who are ready to take their technical skills to the next level, combining material processing in wood, metal, and electronics to construct sophisticated projects. From building custom furniture with integrated electronics to creating functional art pieces that incorporate both metalwork and circuitry, this course challenges you to integrate diverse disciplines into one cohesive project.

Course Objectives:
• Integrate Multidisciplinary Skills: Blend woodworking, metalworking, and electronics in project development.
• Master Advanced Techniques: Deepen your understanding and proficiency in handling wood, metal, and electronic components.
• Design and Prototype: Develop the ability to design complex projects, prototype, and iterate based on functionality and aesthetics.
• Problem-Solving: Cultivate advanced problem-solving skills to overcome the unique challenges presented by combining different materials and technologies.
• Project Management: Learn to manage time, resources, and complex project workflows.
Innovation: Encourage innovation by exploring new uses for traditional materials and technologies.

PRINCIPLES OF ENGINEERING

ONE SEMESTER **.5 CREDIT**
CCC CREDIT

Prerequisite: 10th -12th Grade

Learn what it takes to be an engineer. Students will learn fundamentals of the engineering design process by solving problems and making solutions. Students will use equipment and tools to create structures, mechanisms, and electronics while using energy sources such as hydraulics and pneumatics. This course can be taken as a CAP credit through Clinton Community College.

PRODUCT DESIGN

ONE SEMESTER **.5 CREDIT**

Prerequisite: 1 previous technology class

Product Design focuses on how products are made from designing/ prototyping/ computer modeling/ to finished product. Students will experience product design and fabrication in a series of knowledge and skill builders culminating in creating products of their original ideas.

Learn techniques in:
• Woodworking
• Metalworking/ Welding
• CNC machining
• 3D Printing
& more!

LEADERSHIP

B.R.A.V.E. LEADERSHIP 101

FULL YEAR **.5 CREDIT**

There is no prerequisite for this course. B.R.A.V.E. Leadership 101 provides students in Grades 10 -12 with the opportunity to grow in leadership skills through learning how to facilitate circles, teach younger students how to respond to and prevent bullying and build strong, positive relationships in and out of school. The curriculum for this course is provided by Sweethearts & Heroes, an educational empathy-building organization. Topics included in this course: Planning & Facilitating Age - Mixed Circles, Creating & Practicing Bully Drills, Brain Rules (How the brain learns best.), Empathy, Leadership Skills & Styles and Play. Students will be given the opportunity to explore leadership topics in a project-based, student-driven, authentic manner. Students will also be given tasks to work on positive school environment initiatives such as grade-level seminars, circles with students from other districts, mentoring and communicating with local community leaders.

B.R.A.V.E. LEADERSHIP 102

FULL YEAR **.5 CREDIT**

Prerequisite: B.R.A.V.E. Leadership 101

B.R.A.V.E. Leadership 102 provides students in Grades 11 and 12 with the opportunity to expand their leadership and communication skills. Much like B.R.A.V.E. 101, this course's foundation is in student-led circles. Throughout the course students will be challenged to become the Weaver within the circle. The Weaver connects people within the circle and like a spider, builds a strong unit of trust and vulnerability. Students will learn that vulnerability is "the ability to be authentic, open and emotionally expressive". Topics taught in B.R.A.V.E. 102 include: Advanced Leadership Skills, Effective Communication, Building a Positive School Culture, Components of Social Emotional Learning and Development of the Teenage Brain. Tasks will be student-driven and project based showcasing the growth between B.R.A.V.E. 101 and 102.

B.R.A.V.E. LEADERSHIP 103

FULL YEAR **.5 CREDIT**

Prerequisite: B.R.A.V.E. Leadership 101 & 102

B.R.A.V.E. Leadership 103 provides students in Grade 12 with opportunities to engage with the public and build lasting school change. B.R.A.V.E.S. 103 is a self-directed leadership course for graduates of B.R.A.V.E. Leadership 102 classes. Under the guidance of a Champion Advisor (which can be a previous B.R.A.V.E. Champion Teacher or another advisor selected by the B.R.A.V.E. 103 student), the B.R.A.V.E. Leadership 103 students will work through the S.T.E.P. Program written by the educational organization, Sweethearts & Heroes. S.T.E.P. stands for Student Teacher Empathy Program. The program prepares students to communicate the Sweethearts & Heroes message of helping others and giving HOPE (Hold On Possibilities Exist) to all students. Other student-created projects may include a Podcast, a book study, working as an assistant to a Champion Teacher in B.R.A.V.E. 101 or 102 and community outreach initiatives.

PERU CENTRAL SCHOOL DISTRICT

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Peru, NY 12972